



# BARGE "EMS 375"

## 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	- 01-1/8	01-1/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8
1 STBD	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8
2 PORT	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 STBD	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
3 PORT	- 00-2/4	00-2/4	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-7/8	01-7/8	- 02-3/8	02-3/8	- 02-7/8	02-7/8
3 STBD	- 00-2/4	00-2/4	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-7/8	01-7/8	- 02-3/8	02-3/8	- 02-7/8	02-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-00"

March 25, 2012

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "EMS 375"

# 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 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	2.65	0	255.86	0	537.86	0	838.65	0	1,159.76	0	1,491.52	0	1,823.28	0	2,155.04	0	2,486.80	0	2,818.56
1/4	5.95	1/4	261.54	1/4	543.96	1/4	845.12	1/4	1,166.67	1/4	1,498.43	1/4	1,830.19	1/4	2,161.95	1/4	2,493.72	1/4	2,825.47
1/2	9.24	1/2	267.23	1/2	550.06	1/2	851.59	1/2	1,173.58	1/2	1,505.34	1/2	1,837.10	1/2	2,168.87	1/2	2,500.63	1/2	2,832.38
3/4	12.54	3/4	272.91	3/4	556.16	3/4	858.07	3/4	1,180.49	3/4	1,512.26	3/4	1,844.02	3/4	2,175.78	3/4	2,507.54	3/4	2,839.29
1	15.83	1	278.60	1	562.26	1	864.54	1	1,187.41	1	1,519.17	1	1,850.93	1	2,182.69	1	2,514.45	1	2,846.20
1/4	20.89	1/4	284.32	1/4	568.39	1/4	871.05	1/4	1,194.32	1/4	1,526.08	1/4	1,857.84	1/4	2,189.60	1/4	2,521.36	1/4	2,853.11
1/2	25.95	1/2	290.04	1/2	574.52	1/2	877.55	1/2	1,201.23	1/2	1,532.99	1/2	1,864.75	1/2	2,196.51	1/2	2,528.27	1/2	2,860.02
3/4	31.00	3/4	295.76	3/4	580.66	3/4	884.06	3/4	1,208.14	3/4	1,539.90	3/4	1,871.66	3/4	2,203.43	3/4	2,535.19	3/4	2,866.93
2	36.06	2	301.48	2	586.79	2	890.57	2	1,215.05	2	1,546.81	2	1,878.58	2	2,210.34	2	2,542.10	2	2,873.85
1/4	41.40	1/4	307.23	1/4	592.96	1/4	897.11	1/4	1,221.96	1/4	1,553.73	1/4	1,885.49	1/4	2,217.25	1/4	2,549.01	1/4	2,880.76
1/2	46.74	1/2	312.98	1/2	599.13	1/2	903.65	1/2	1,228.88	1/2	1,560.64	1/2	1,892.40	1/2	2,224.16	1/2	2,555.92	1/2	2,887.67
3/4	52.08	3/4	318.74	3/4	605.30	3/4	910.19	3/4	1,235.79	3/4	1,567.55	3/4	1,899.31	3/4	2,231.07	3/4	2,562.83	3/4	2,894.58
3	57.42	3	324.49	3	611.47	3	916.73	3	1,242.70	3	1,574.46	3	1,906.22	3	2,237.98	3	2,569.75	3	2,901.49
1/4	62.79	1/4	330.28	1/4	617.67	1/4	923.32	1/4	1,249.61	1/4	1,581.37	1/4	1,913.13	1/4	2,244.90	1/4	2,576.66	1/4	2,908.40
1/2	68.17	1/2	336.07	1/2	623.87	1/2	929.92	1/2	1,256.52	1/2	1,588.28	1/2	1,920.05	1/2	2,251.81	1/2	2,583.57	1/2	2,915.31
3/4	73.54	3/4	341.86	3/4	630.08	3/4	936.51	3/4	1,263.43	3/4	1,595.20	3/4	1,926.96	3/4	2,258.72	3/4	2,590.48	3/4	2,922.22
4	78.92	4	347.65	4	636.28	4	943.10	4	1,270.35	4	1,602.11	4	1,933.87	4	2,265.63	4	2,597.39	4	2,929.13
1/4	84.33	1/4	353.47	1/4	642.52	1/4	949.73	1/4	1,277.26	1/4	1,609.02	1/4	1,940.78	1/4	2,272.54	1/4	2,604.30	1/4	2,936.04
1/2	89.73	1/2	359.29	1/2	648.75	1/2	956.36	1/2	1,284.17	1/2	1,615.93	1/2	1,947.69	1/2	2,279.45	1/2	2,611.22	1/2	2,942.95
3/4	95.14	3/4	365.12	3/4	654.99	3/4	962.99	3/4	1,291.08	3/4	1,622.84	3/4	1,954.60	3/4	2,286.37	3/4	2,618.13	3/4	2,949.86
5	100.55	5	370.94	5	661.23	5	969.62	5	1,297.99	5	1,629.75	5	1,961.52	5	2,293.28	5	2,625.04	5	2,956.78
1/4	105.99	1/4	376.80	1/4	667.47	1/4	976.30	1/4	1,304.90	1/4	1,636.67	1/4	1,968.43	1/4	2,300.19	1/4	2,631.95	1/4	2,963.69
1/2	111.44	1/2	382.66	1/2	673.72	1/2	982.99	1/2	1,311.82	1/2	1,643.58	1/2	1,975.34	1/2	2,307.10	1/2	2,638.86	1/2	2,970.60
3/4	116.88	3/4	388.51	3/4	679.96	3/4	989.68	3/4	1,318.73	3/4	1,650.49	3/4	1,982.25	3/4	2,314.01	3/4	2,645.77	3/4	2,977.51
6	122.32	6	394.37	6	686.20	6	996.37	6	1,325.64	6	1,657.40	6	1,989.16	6	2,320.92	6	2,652.69	6	2,984.42
1/4	127.80	1/4	400.26	1/4	692.48	1/4	1,003.09	1/4	1,332.55	1/4	1,664.31	1/4	1,996.07	1/4	2,327.84	1/4	2,659.60	1/4	2,991.33
1/2	133.28	1/2	406.16	1/2	698.76	1/2	1,009.81	1/2	1,339.46	1/2	1,671.22	1/2	2,002.99	1/2	2,334.75	1/2	2,666.51	1/2	2,998.24
3/4	138.76	3/4	412.05	3/4	705.04	3/4	1,016.53	3/4	1,346.37	3/4	1,678.14	3/4	2,009.90	3/4	2,341.66	3/4	2,673.42	3/4	3,005.15
7	144.23	7	417.94	7	711.32	7	1,023.25	7	1,353.29	7	1,685.05	7	2,016.81	7	2,348.57	7	2,680.33	7	3,012.06
1/4	149.75	1/4	423.87	1/4	717.61	1/4	1,030.01	1/4	1,360.20	1/4	1,691.96	1/4	2,023.72	1/4	2,355.48	1/4	2,687.24	1/4	3,018.97
1/2	155.26	1/2	429.79	1/2	723.91	1/2	1,036.76	1/2	1,367.11	1/2	1,698.87	1/2	2,030.63	1/2	2,362.39	1/2	2,694.16	1/2	3,025.88
3/4	160.77	3/4	435.72	3/4	730.21	3/4	1,043.52	3/4	1,374.02	3/4	1,705.78	3/4	2,037.54	3/4	2,369.31	3/4	2,701.07	3/4	3,032.79
8	166.28	8	441.65	8	736.51	8	1,050.28	8	1,380.93	8	1,712.69	8	2,044.46	8	2,376.22	8	2,707.98	8	3,039.70
1/4	171.83	1/4	447.61	1/4	742.85	1/4	1,057.07	1/4	1,387.84	1/4	1,719.61	1/4	2,051.37	1/4	2,383.13	1/4	2,714.89	1/4	3,046.62
1/2	177.38	1/2	453.57	1/2	749.18	1/2	1,063.86	1/2	1,394.76	1/2	1,726.52	1/2	2,058.28	1/2	2,390.04	1/2	2,721.80	1/2	3,053.53
3/4	182.92	3/4	459.53	3/4	755.52	3/4	1,070.65	3/4	1,401.67	3/4	1,733.43	3/4	2,065.19	3/4	2,396.95	3/4	2,728.71	3/4	3,060.44
9	188.47	9	465.49	9	761.85	9	1,077.44	9	1,408.58	9	1,740.34	9	2,072.10	9	2,403.86	9	2,735.63	9	3,067.35
1/4	194.05	1/4	471.49	1/4	768.22	1/4	1,084.27	1/4	1,415.49	1/4	1,747.25	1/4	2,079.01	1/4	2,410.78	1/4	2,742.54	1/4	3,074.26
1/2	199.63	1/2	477.48	1/2	774.59	1/2	1,091.09	1/2	1,422.40	1/2	1,754.16	1/2	2,085.93	1/2	2,417.69	1/2	2,749.45	1/2	3,081.17
3/4	205.21	3/4	483.48	3/4	780.96	3/4	1,097.92	3/4	1,429.31	3/4	1,761.08	3/4	2,092.84	3/4	2,424.60	3/4	2,756.36	3/4	3,088.08
10	210.79	10	489.48	10	787.32	10	1,104.74	10	1,436.23	10	1,767.99	10	2,099.75	10	2,431.51	10	2,763.27	10	3,094.99
1/4	216.41	1/4	495.51	1/4	793.72	1/4	1,111.60	1/4	1,443.14	1/4	1,774.90	1/4	2,106.66	1/4	2,438.42	1/4	2,770.18	1/4	3,101.90
1/2	222.03	1/2	501.54	1/2	800.12	1/2	1,118.46	1/2	1,450.05	1/2	1,781.81	1/2	2,113.57	1/2	2,445.33	1/2	2,777.09	1/2	3,108.81
3/4	227.64	3/4	507.57	3/4	806.52	3/4	1,125.32	3/4	1,456.96	3/4	1,788.72	3/4	2,120.48	3/4	2,452.25	3/4	2,784.01	3/4	3,115.72
11	233.26	11	513.60	11	812.92	11	1,132.18	11	1,463.87	11	1,795.63	11	2,127.40	11	2,459.16	11	2,790.92	11	3,122.63
1/4	238.91	1/4	519.66	1/4	819.35	1/4	1,139.08	1/4	1,470.78	1/4	1,802.55	1/4	2,134.31	1/4	2,466.07	1/4	2,797.83	1/4	3,129.55
1/2	244.56	1/2	525.73	1/2	825.78	1/2	1,145.97	1/2	1,477.70	1/2	1,809.46	1/2	2,141.22	1/2	2,472.98	1/2	2,804.74	1/2	3,136.46
3/4	250.21	3/4	531.79	3/4	832.22	3/4	1,152.86	3/4	1,484.61	3/4	1,816.37	3/4	2,148.13	3/4	2,479.89	3/4	2,811.65	3/4	3,143.37

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER OPENING ON "HERMETIC" VALVE.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "EMS 375"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,150.28	0	3,482.00	0	3,813.71	0	4,144.63	0		0		0		0		0		0	
1/4	3,157.19	1/4	3,488.91	1/4	3,820.63	1/4	4,151.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,164.10	1/2	3,495.82	1/2	3,827.54	1/2	4,158.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,171.01	3/4	3,502.73	3/4	3,834.45	3/4	4,165.25	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,177.92	1	3,509.64	1	3,841.36	1	4,172.12	1		1		1		1		1		1	
1/4	3,184.83	1/4	3,516.55	1/4	3,848.27	1/4	4,178.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,191.74	1/2	3,523.46	1/2	3,855.18	1/2	4,185.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,198.65	3/4	3,530.37	3/4	3,862.09	3/4	4,192.73	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,205.56	2	3,537.28	2	3,869.00	2	4,199.60	2		2		2		2		2		2	
1/4	3,212.47	1/4	3,544.19	1/4	3,875.91	1/4	4,206.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,219.39	1/2	3,551.10	1/2	3,882.82	1/2	4,213.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,226.30	3/4	3,558.01	3/4	3,889.73	3/4	4,220.21	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,233.21	3	3,564.93	3	3,896.64	3	4,227.08	3		3		3		3		3		3	
1/4	3,240.12	1/4	3,571.84	1/4	3,903.55	1/4	4,233.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,247.03	1/2	3,578.75	1/2	3,910.47	1/2	4,240.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,253.94	3/4	3,585.66	3/4	3,917.38	3/4	4,247.69	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,260.85	4	3,592.57	4	3,924.29	4	4,254.57	4		4		4		4		4		4	
1/4	3,267.76	1/4	3,599.48	1/4	3,931.20	1/4	4,261.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,274.67	1/2	3,606.39	1/2	3,938.11	1/2	4,268.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,281.58	3/4	3,613.30	3/4	3,945.02	3/4	4,275.18	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,288.49	5	3,620.21	5	3,951.93	5	4,282.05	5		5		5		5		5		5	
1/4	3,295.40	1/4	3,627.12	1/4	3,958.84	1/4	4,288.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,302.32	1/2	3,634.03	1/2	3,965.75	1/2	4,295.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,309.23	3/4	3,640.94	3/4	3,972.66	3/4	4,302.66	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,316.14	6	3,647.86	6	3,979.57	6	4,309.53	6		6		6		6		6		6	
1/4	3,323.05	1/4	3,654.77	1/4	3,986.48	1/4	4,316.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,329.96	1/2	3,661.68	1/2	3,993.40	1/2	4,323.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,336.87	3/4	3,668.59	3/4	4,000.31	3/4	4,330.14	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,343.78	7	3,675.50	7	4,007.22	7	4,337.02	7		7		7		7		7		7	
1/4	3,350.69	1/4	3,682.41	1/4	4,014.09	1/4	4,343.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,357.60	1/2	3,689.32	1/2	4,020.96	1/2	4,350.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,364.51	3/4	3,696.23	3/4	4,027.83	3/4	4,357.40	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,371.42	8	3,703.14	8	4,034.70	8	4,364.20	8		8		8		8		8		8	
1/4	3,378.33	1/4	3,710.05	1/4	4,041.57	1/4	4,370.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,385.24	1/2	3,716.96	1/2	4,048.44	1/2	4,377.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,392.16	3/4	3,723.87	3/4	4,055.31	3/4	4,383.53	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,399.07	9	3,730.78	9	4,062.18	9	4,389.98	9		9		9		9		9		9	
1/4	3,405.98	1/4	3,737.70	1/4	4,069.05	1/4	4,395.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,412.89	1/2	3,744.61	1/2	4,075.92	1/2	4,400.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,419.80	3/4	3,751.52	3/4	4,082.80	3/4	4,405.66	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,426.71	10	3,758.43	10	4,089.67	10		10		10		10		10		10		10	
1/4	3,433.62	1/4	3,765.34	1/4	4,096.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,440.53	1/2	3,772.25	1/2	4,103.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,447.44	3/4	3,779.16	3/4	4,110.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,454.35	11	3,786.07	11	4,117.15	11		11		11		11		11		11		11	
1/4	3,461.26	1/4	3,792.98	1/4	4,124.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,468.17	1/2	3,799.89	1/2	4,130.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,475.09	3/4	3,806.80	3/4	4,137.76	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2012 CL - SW  
CALCULATED: 03/24/2012 CL  
PRINTED: 03/25/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2012

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



# BARGE "EMS 375"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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	2.66	0	255.77	0	537.64	0	839.11	0	1,160.59	0	1,492.18	0	1,823.77	0	2,155.36	0	2,486.95	0	2,818.53
1/4	5.95	1/4	261.45	1/4	543.74	1/4	845.60	1/4	1,167.50	1/4	1,499.09	1/4	1,830.68	1/4	2,162.27	1/4	2,493.86	1/4	2,825.44
1/2	9.25	1/2	267.13	1/2	549.84	1/2	852.10	1/2	1,174.41	1/2	1,506.00	1/2	1,837.59	1/2	2,169.18	1/2	2,500.77	1/2	2,832.34
3/4	12.54	3/4	272.82	3/4	555.94	3/4	858.60	3/4	1,181.32	3/4	1,512.91	3/4	1,844.50	3/4	2,176.08	3/4	2,507.67	3/4	2,839.25
1	15.83	1	278.50	1	562.03	1	865.10	1	1,188.23	1	1,519.82	1	1,851.40	1	2,182.99	1	2,514.58	1	2,846.16
1/4	20.89	1/4	284.22	1/4	568.16	1/4	871.63	1/4	1,195.13	1/4	1,526.72	1/4	1,858.31	1/4	2,189.90	1/4	2,521.49	1/4	2,853.07
1/2	25.95	1/2	289.93	1/2	574.29	1/2	878.16	1/2	1,202.04	1/2	1,533.63	1/2	1,865.22	1/2	2,196.81	1/2	2,528.40	1/2	2,859.97
3/4	31.00	3/4	295.65	3/4	580.43	3/4	884.69	3/4	1,208.95	3/4	1,540.54	3/4	1,872.13	3/4	2,203.72	3/4	2,535.31	3/4	2,866.88
2	36.06	2	301.37	2	586.56	2	891.23	2	1,215.86	2	1,547.45	2	1,879.04	2	2,210.63	2	2,542.21	2	2,873.79
1/4	41.40	1/4	307.12	1/4	592.72	1/4	897.79	1/4	1,222.77	1/4	1,554.36	1/4	1,885.94	1/4	2,217.53	1/4	2,549.12	1/4	2,880.69
1/2	46.73	1/2	312.87	1/2	598.89	1/2	904.36	1/2	1,229.68	1/2	1,561.26	1/2	1,892.85	1/2	2,224.44	1/2	2,556.03	1/2	2,887.60
3/4	52.07	3/4	318.62	3/4	605.05	3/4	910.93	3/4	1,236.58	3/4	1,568.17	3/4	1,899.76	3/4	2,231.35	3/4	2,562.94	3/4	2,894.51
3	57.41	3	324.37	3	611.22	3	917.49	3	1,243.49	3	1,575.08	3	1,906.67	3	2,238.26	3	2,569.85	3	2,901.42
1/4	62.78	1/4	330.16	1/4	617.42	1/4	924.11	1/4	1,250.40	1/4	1,581.99	1/4	1,913.58	1/4	2,245.17	1/4	2,576.75	1/4	2,908.32
1/2	68.15	1/2	335.95	1/2	623.62	1/2	930.72	1/2	1,257.31	1/2	1,588.90	1/2	1,920.49	1/2	2,252.07	1/2	2,583.66	1/2	2,915.23
3/4	73.52	3/4	341.73	3/4	629.82	3/4	937.34	3/4	1,264.22	3/4	1,595.80	3/4	1,927.39	3/4	2,258.98	3/4	2,590.57	3/4	2,922.14
4	78.90	4	347.52	4	636.02	4	943.95	4	1,271.12	4	1,602.71	4	1,934.30	4	2,265.89	4	2,597.48	4	2,929.04
1/4	84.30	1/4	353.34	1/4	642.26	1/4	950.60	1/4	1,278.03	1/4	1,609.62	1/4	1,941.21	1/4	2,272.80	1/4	2,604.39	1/4	2,935.95
1/2	89.71	1/2	359.16	1/2	648.49	1/2	957.25	1/2	1,284.94	1/2	1,616.53	1/2	1,948.12	1/2	2,279.71	1/2	2,611.30	1/2	2,942.86
3/4	95.12	3/4	364.98	3/4	654.73	3/4	963.90	3/4	1,291.85	3/4	1,623.44	3/4	1,955.03	3/4	2,286.61	3/4	2,618.20	3/4	2,949.77
5	100.52	5	370.80	5	660.96	5	970.55	5	1,298.76	5	1,630.34	5	1,961.93	5	2,293.52	5	2,625.11	5	2,956.67
1/4	105.96	1/4	376.66	1/4	667.23	1/4	977.23	1/4	1,305.66	1/4	1,637.25	1/4	1,968.84	1/4	2,300.43	1/4	2,632.02	1/4	2,963.58
1/2	111.40	1/2	382.51	1/2	673.50	1/2	983.92	1/2	1,312.57	1/2	1,644.16	1/2	1,975.75	1/2	2,307.34	1/2	2,638.93	1/2	2,970.49
3/4	116.84	3/4	388.37	3/4	679.77	3/4	990.60	3/4	1,319.48	3/4	1,651.07	3/4	1,982.66	3/4	2,314.25	3/4	2,645.84	3/4	2,977.39
6	122.29	6	394.22	6	686.04	6	997.28	6	1,326.39	6	1,657.98	6	1,989.57	6	2,321.15	6	2,652.74	6	2,984.30
1/4	127.76	1/4	400.11	1/4	692.34	1/4	1,004.00	1/4	1,333.30	1/4	1,664.89	1/4	1,996.47	1/4	2,328.06	1/4	2,659.65	1/4	2,991.21
1/2	133.24	1/2	406.00	1/2	698.65	1/2	1,010.72	1/2	1,340.20	1/2	1,671.79	1/2	2,003.38	1/2	2,334.97	1/2	2,666.56	1/2	2,998.11
3/4	138.71	3/4	411.89	3/4	704.95	3/4	1,017.44	3/4	1,347.11	3/4	1,678.70	3/4	2,010.29	3/4	2,341.88	3/4	2,673.47	3/4	3,005.02
7	144.19	7	417.78	7	711.25	7	1,024.16	7	1,354.02	7	1,685.61	7	2,017.20	7	2,348.79	7	2,680.38	7	3,011.93
1/4	149.70	1/4	423.70	1/4	717.58	1/4	1,030.91	1/4	1,360.93	1/4	1,692.52	1/4	2,024.11	1/4	2,355.70	1/4	2,687.28	1/4	3,018.84
1/2	155.21	1/2	429.63	1/2	723.90	1/2	1,037.66	1/2	1,367.84	1/2	1,699.43	1/2	2,031.01	1/2	2,362.60	1/2	2,694.19	1/2	3,025.74
3/4	160.72	3/4	435.55	3/4	730.23	3/4	1,044.42	3/4	1,374.75	3/4	1,706.33	3/4	2,037.92	3/4	2,369.51	3/4	2,701.10	3/4	3,032.65
8	166.23	8	441.48	8	736.55	8	1,051.17	8	1,381.65	8	1,713.24	8	2,044.83	8	2,376.42	8	2,708.01	8	3,039.56
1/4	171.77	1/4	447.44	1/4	742.91	1/4	1,057.96	1/4	1,388.56	1/4	1,720.15	1/4	2,051.74	1/4	2,383.33	1/4	2,714.92	1/4	3,046.46
1/2	177.32	1/2	453.39	1/2	749.27	1/2	1,064.74	1/2	1,395.47	1/2	1,727.06	1/2	2,058.65	1/2	2,390.24	1/2	2,721.82	1/2	3,053.37
3/4	182.86	3/4	459.35	3/4	755.63	3/4	1,071.53	3/4	1,402.38	3/4	1,733.97	3/4	2,065.56	3/4	2,397.14	3/4	2,728.73	3/4	3,060.28
9	188.41	9	465.31	9	761.99	9	1,078.32	9	1,409.29	9	1,740.87	9	2,072.46	9	2,404.05	9	2,735.64	9	3,067.19
1/4	193.98	1/4	471.31	1/4	768.39	1/4	1,085.14	1/4	1,416.19	1/4	1,747.78	1/4	2,079.37	1/4	2,410.96	1/4	2,742.55	1/4	3,074.09
1/2	199.56	1/2	477.30	1/2	774.78	1/2	1,091.96	1/2	1,423.10	1/2	1,754.69	1/2	2,086.28	1/2	2,417.87	1/2	2,749.46	1/2	3,081.00
3/4	205.14	3/4	483.29	3/4	781.18	3/4	1,098.78	3/4	1,430.01	3/4	1,761.60	3/4	2,093.19	3/4	2,424.78	3/4	2,756.37	3/4	3,087.91
10	210.72	10	489.28	10	787.57	10	1,105.61	10	1,436.92	10	1,768.51	10	2,100.10	10	2,431.68	10	2,763.27	10	3,094.81
1/4	216.34	1/4	495.31	1/4	794.00	1/4	1,112.46	1/4	1,443.83	1/4	1,775.42	1/4	2,107.00	1/4	2,438.59	1/4	2,770.18	1/4	3,101.72
1/2	221.95	1/2	501.34	1/2	800.42	1/2	1,119.32	1/2	1,450.73	1/2	1,782.32	1/2	2,113.91	1/2	2,445.50	1/2	2,777.09	1/2	3,108.63
3/4	227.56	3/4	507.37	3/4	806.84	3/4	1,126.17	3/4	1,457.64	3/4	1,789.23	3/4	2,120.82	3/4	2,452.41	3/4	2,783.99	3/4	3,115.54
11	233.18	11	513.40	11	813.27	11	1,133.03	11	1,464.55	11	1,796.14	11	2,127.73	11	2,459.32	11	2,790.90	11	3,122.44
1/4	238.82	1/4	519.46	1/4	819.73	1/4	1,139.92	1/4	1,471.46	1/4	1,803.05	1/4	2,134.64	1/4	2,466.23	1/4	2,797.81	1/4	3,129.35
1/2	244.47	1/2	525.52	1/2	826.19	1/2	1,146.81	1/2	1,478.37	1/2	1,809.96	1/2	2,141.54	1/2	2,473.13	1/2	2,804.72	1/2	3,136.26
3/4	250.12	3/4	531.58	3/4	832.65	3/4	1,153.70	3/4	1,485.27	3/4	1,816.86	3/4	2,148.45	3/4	2,480.04	3/4	2,811.62	3/4	3,143.16

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 AT 2" DIAMETER OPENING ON "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "EMS 375"

**1 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 14'-10 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	3,150.07	0	3,481.61	0	3,813.15	0	4,143.90	0		0		0		0		0		0	
1/4	3,156.98	1/4	3,488.52	1/4	3,820.06	1/4	4,150.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,163.89	1/2	3,495.43	1/2	3,826.97	1/2	4,157.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,170.79	3/4	3,502.33	3/4	3,833.87	3/4	4,164.50	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,177.70	1	3,509.24	1	3,840.78	1	4,171.37	1		1		1		1		1		1	
1/4	3,184.61	1/4	3,516.15	1/4	3,847.69	1/4	4,178.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,191.51	1/2	3,523.05	1/2	3,854.60	1/2	4,185.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,198.42	3/4	3,529.96	3/4	3,861.50	3/4	4,191.97	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,205.33	2	3,536.87	2	3,868.41	2	4,198.84	2		2		2		2		2		2	
1/4	3,212.23	1/4	3,543.78	1/4	3,875.32	1/4	4,205.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,219.14	1/2	3,550.68	1/2	3,882.22	1/2	4,212.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,226.05	3/4	3,557.59	3/4	3,889.13	3/4	4,219.44	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,232.96	3	3,564.50	3	3,896.04	3	4,226.30	3		3		3		3		3		3	
1/4	3,239.86	1/4	3,571.40	1/4	3,902.94	1/4	4,233.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,246.77	1/2	3,578.31	1/2	3,909.85	1/2	4,240.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,253.68	3/4	3,585.22	3/4	3,916.76	3/4	4,246.91	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,260.58	4	3,592.13	4	3,923.67	4	4,253.77	4		4		4		4		4		4	
1/4	3,267.49	1/4	3,599.03	1/4	3,930.57	1/4	4,260.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,274.40	1/2	3,605.94	1/2	3,937.48	1/2	4,267.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,281.31	3/4	3,612.85	3/4	3,944.39	3/4	4,274.38	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,288.21	5	3,619.75	5	3,951.29	5	4,281.24	5		5		5		5		5		5	
1/4	3,295.12	1/4	3,626.66	1/4	3,958.20	1/4	4,288.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,302.03	1/2	3,633.57	1/2	3,965.11	1/2	4,294.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,308.93	3/4	3,640.48	3/4	3,972.02	3/4	4,301.85	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,315.84	6	3,647.38	6	3,978.92	6	4,308.71	6		6		6		6		6		6	
1/4	3,322.75	1/4	3,654.29	1/4	3,985.83	1/4	4,315.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,329.66	1/2	3,661.20	1/2	3,992.74	1/2	4,322.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,336.56	3/4	3,668.10	3/4	3,999.64	3/4	4,329.31	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,343.47	7	3,675.01	7	4,006.55	7	4,336.18	7		7		7		7		7		7	
1/4	3,350.38	1/4	3,681.92	1/4	4,013.42	1/4	4,342.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,357.28	1/2	3,688.82	1/2	4,020.29	1/2	4,349.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,364.19	3/4	3,695.73	3/4	4,027.15	3/4	4,356.56	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,371.10	8	3,702.64	8	4,034.02	8	4,363.36	8		8		8		8		8		8	
1/4	3,378.01	1/4	3,709.55	1/4	4,040.89	1/4	4,369.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,384.91	1/2	3,716.45	1/2	4,047.76	1/2	4,376.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,391.82	3/4	3,723.36	3/4	4,054.62	3/4	4,382.68	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,398.73	9	3,730.27	9	4,061.49	9	4,389.13	9		9		9		9		9		9	
1/4	3,405.63	1/4	3,737.17	1/4	4,068.36	1/4	4,394.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,412.54	1/2	3,744.08	1/2	4,075.22	1/2	4,399.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,419.45	3/4	3,750.99	3/4	4,082.09	3/4	4,404.80	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,426.35	10	3,757.90	10	4,088.96	10		10		10		10		10		10		10	
1/4	3,433.26	1/4	3,764.80	1/4	4,095.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,440.17	1/2	3,771.71	1/2	4,102.69	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,447.08	3/4	3,778.62	3/4	4,109.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,453.98	11	3,785.52	11	4,116.43	11		11		11		11		11		11		11	
1/4	3,460.89	1/4	3,792.43	1/4	4,123.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,467.80	1/2	3,799.34	1/2	4,130.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,474.70	3/4	3,806.25	3/4	4,137.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2012 CL - SW  
CALCULATED: 03/24/2012 CL  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2012

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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BARGE "EMS 375"

2 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 3/4"

Table with columns for height (0 FT. to 9 FT.) and corresponding capacity values in barrels. Includes fractional height increments (1/4, 1/2, 3/4) for each whole foot.

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 AT 2" DIAMETER OPENING ON "HERMETIC" VALVE. GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-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 375"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,874.08	0	4,262.13	0	4,650.17	0	5,037.27	0		0		0		0		0		0	
1/4	3,882.17	1/4	4,270.21	1/4	4,658.25	1/4	5,045.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,890.25	1/2	4,278.29	1/2	4,666.34	1/2	5,053.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,898.34	3/4	4,286.38	3/4	4,674.42	3/4	5,061.38	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,906.42	1	4,294.46	1	4,682.50	1	5,069.42	1		1		1		1		1		1	
1/4	3,914.50	1/4	4,302.55	1/4	4,690.59	1/4	5,077.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,922.59	1/2	4,310.63	1/2	4,698.67	1/2	5,085.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,930.67	3/4	4,318.71	3/4	4,706.76	3/4	5,093.53	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,938.76	2	4,326.80	2	4,714.84	2	5,101.57	2		2		2		2		2		2	
1/4	3,946.84	1/4	4,334.88	1/4	4,722.92	1/4	5,109.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,954.93	1/2	4,342.97	1/2	4,731.01	1/2	5,117.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,963.01	3/4	4,351.05	3/4	4,739.09	3/4	5,125.68	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,971.09	3	4,359.14	3	4,747.18	3	5,133.72	3		3		3		3		3		3	
1/4	3,979.18	1/4	4,367.22	1/4	4,755.26	1/4	5,141.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,987.26	1/2	4,375.30	1/2	4,763.35	1/2	5,149.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,995.35	3/4	4,383.39	3/4	4,771.43	3/4	5,157.83	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,003.43	4	4,391.47	4	4,779.51	4	5,165.87	4		4		4		4		4		4	
1/4	4,011.52	1/4	4,399.56	1/4	4,787.60	1/4	5,173.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,019.60	1/2	4,407.64	1/2	4,795.68	1/2	5,181.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,027.68	3/4	4,415.73	3/4	4,803.77	3/4	5,189.98	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,035.77	5	4,423.81	5	4,811.85	5	5,198.02	5		5		5		5		5		5	
1/4	4,043.85	1/4	4,431.89	1/4	4,819.94	1/4	5,206.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,051.94	1/2	4,439.98	1/2	4,828.02	1/2	5,214.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,060.02	3/4	4,448.06	3/4	4,836.10	3/4	5,222.13	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,068.10	6	4,456.15	6	4,844.19	6	5,230.17	6		6		6		6		6		6	
1/4	4,076.19	1/4	4,464.23	1/4	4,852.27	1/4	5,238.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,084.27	1/2	4,472.31	1/2	4,860.36	1/2	5,246.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,092.36	3/4	4,480.40	3/4	4,868.44	3/4	5,254.28	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,100.44	7	4,488.48	7	4,876.52	7	5,262.32	7		7		7		7		7		7	
1/4	4,108.53	1/4	4,496.57	1/4	4,884.56	1/4	5,270.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,116.61	1/2	4,504.65	1/2	4,892.60	1/2	5,278.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,124.69	3/4	4,512.74	3/4	4,900.64	3/4	5,286.17	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,132.78	8	4,520.82	8	4,908.67	8	5,294.12	8		8		8		8		8		8	
1/4	4,140.86	1/4	4,528.90	1/4	4,916.71	1/4	5,301.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,148.95	1/2	4,536.99	1/2	4,924.75	1/2	5,309.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,157.03	3/4	4,545.07	3/4	4,932.79	3/4	5,316.74	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,165.11	9	4,553.16	9	4,940.82	9	5,324.28	9		9		9		9		9		9	
1/4	4,173.20	1/4	4,561.24	1/4	4,948.86	1/4	5,330.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,181.28	1/2	4,569.32	1/2	4,956.90	1/2	5,336.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,189.37	3/4	4,577.41	3/4	4,964.94	3/4	5,342.62	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,197.45	10	4,585.49	10	4,972.97	10		10		10		10		10		10		10	
1/4	4,205.54	1/4	4,593.58	1/4	4,981.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,213.62	1/2	4,601.66	1/2	4,989.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,221.70	3/4	4,609.75	3/4	4,997.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,229.79	11	4,617.83	11	5,005.12	11		11		11		11		11		11		11	
1/4	4,237.87	1/4	4,625.91	1/4	5,013.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,245.96	1/2	4,634.00	1/2	5,021.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,254.04	3/4	4,642.08	3/4	5,029.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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# BARGE "EMS 375"

2 STBD  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	18.87	0	396.71	0	784.64	0	1,172.87	0	1,561.14	0	1,949.41	0	2,337.69	0	2,725.96	0	3,114.23	0	3,502.49
1/4	24.64	1/4	404.79	1/4	792.72	1/4	1,180.96	1/4	1,569.23	1/4	1,957.50	1/4	2,345.77	1/4	2,734.05	1/4	3,122.32	1/4	3,510.58
1/2	30.42	1/2	412.88	1/2	800.80	1/2	1,189.05	1/2	1,577.32	1/2	1,965.59	1/2	2,353.86	1/2	2,742.14	1/2	3,130.41	1/2	3,518.67
3/4	36.20	3/4	420.97	3/4	808.87	3/4	1,197.14	3/4	1,585.41	3/4	1,973.68	3/4	2,361.95	3/4	2,750.22	3/4	3,138.50	3/4	3,526.76
1	41.97	1	429.06	1	816.95	1	1,205.23	1	1,593.50	1	1,981.77	1	2,370.04	1	2,758.31	1	3,146.59	1	3,534.85
1/4	49.77	1/4	437.15	1/4	825.04	1/4	1,213.31	1/4	1,601.59	1/4	1,989.86	1/4	2,378.13	1/4	2,766.40	1/4	3,154.67	1/4	3,542.93
1/2	57.57	1/2	445.24	1/2	833.13	1/2	1,221.40	1/2	1,609.68	1/2	1,997.95	1/2	2,386.22	1/2	2,774.49	1/2	3,162.76	1/2	3,551.02
3/4	65.37	3/4	453.33	3/4	841.22	3/4	1,229.49	3/4	1,617.76	3/4	2,006.04	3/4	2,394.31	3/4	2,782.58	3/4	3,170.85	3/4	3,559.11
2	73.17	2	461.41	2	849.31	2	1,237.58	2	1,625.85	2	2,014.13	2	2,402.40	2	2,790.67	2	3,178.94	2	3,567.20
1/4	81.26	1/4	469.50	1/4	857.40	1/4	1,245.67	1/4	1,633.94	1/4	2,022.21	1/4	2,410.49	1/4	2,798.76	1/4	3,187.03	1/4	3,575.29
1/2	89.35	1/2	477.59	1/2	865.49	1/2	1,253.76	1/2	1,642.03	1/2	2,030.30	1/2	2,418.58	1/2	2,806.85	1/2	3,195.12	1/2	3,583.37
3/4	97.44	3/4	485.68	3/4	873.58	3/4	1,261.85	3/4	1,650.12	3/4	2,038.39	3/4	2,426.66	3/4	2,814.94	3/4	3,203.21	3/4	3,591.46
3	105.52	3	493.77	3	881.67	3	1,269.94	3	1,658.21	3	2,046.48	3	2,434.75	3	2,823.03	3	3,211.30	3	3,599.55
1/4	113.61	1/4	501.86	1/4	889.75	1/4	1,278.03	1/4	1,666.30	1/4	2,054.57	1/4	2,442.84	1/4	2,831.11	1/4	3,219.39	1/4	3,607.64
1/2	121.70	1/2	509.94	1/2	897.84	1/2	1,286.12	1/2	1,674.39	1/2	2,062.66	1/2	2,450.93	1/2	2,839.20	1/2	3,227.48	1/2	3,615.73
3/4	129.79	3/4	518.03	3/4	905.93	3/4	1,294.20	3/4	1,682.48	3/4	2,070.75	3/4	2,459.02	3/4	2,847.29	3/4	3,235.56	3/4	3,623.81
4	137.88	4	526.12	4	914.02	4	1,302.29	4	1,690.57	4	2,078.84	4	2,467.11	4	2,855.38	4	3,243.65	4	3,631.90
1/4	145.97	1/4	534.21	1/4	922.11	1/4	1,310.38	1/4	1,698.65	1/4	2,086.93	1/4	2,475.20	1/4	2,863.47	1/4	3,251.74	1/4	3,639.99
1/2	154.05	1/2	542.30	1/2	930.20	1/2	1,318.47	1/2	1,706.74	1/2	2,095.02	1/2	2,483.29	1/2	2,871.56	1/2	3,259.83	1/2	3,648.08
3/4	162.14	3/4	550.39	3/4	938.29	3/4	1,326.56	3/4	1,714.83	3/4	2,103.10	3/4	2,491.38	3/4	2,879.65	3/4	3,267.92	3/4	3,656.17
5	170.23	5	558.47	5	946.38	5	1,334.65	5	1,722.92	5	2,111.19	5	2,499.47	5	2,887.74	5	3,276.01	5	3,664.25
1/4	178.32	1/4	566.55	1/4	954.47	1/4	1,342.74	1/4	1,731.01	1/4	2,119.28	1/4	2,507.55	1/4	2,895.83	1/4	3,284.10	1/4	3,672.34
1/2	186.41	1/2	574.63	1/2	962.56	1/2	1,350.83	1/2	1,739.10	1/2	2,127.37	1/2	2,515.64	1/2	2,903.92	1/2	3,292.19	1/2	3,680.43
3/4	194.50	3/4	582.71	3/4	970.64	3/4	1,358.92	3/4	1,747.19	3/4	2,135.46	3/4	2,523.73	3/4	2,912.00	3/4	3,300.28	3/4	3,688.52
6	202.58	6	590.79	6	978.73	6	1,367.01	6	1,755.28	6	2,143.55	6	2,531.82	6	2,920.09	6	3,308.37	6	3,696.61
1/4	210.67	1/4	598.87	1/4	986.82	1/4	1,375.09	1/4	1,763.37	1/4	2,151.64	1/4	2,539.91	1/4	2,928.18	1/4	3,316.45	1/4	3,704.69
1/2	218.76	1/2	606.95	1/2	994.91	1/2	1,383.18	1/2	1,771.46	1/2	2,159.73	1/2	2,548.00	1/2	2,936.27	1/2	3,324.54	1/2	3,712.78
3/4	226.85	3/4	615.02	3/4	1,003.00	3/4	1,391.27	3/4	1,779.54	3/4	2,167.82	3/4	2,556.09	3/4	2,944.36	3/4	3,332.63	3/4	3,720.87
7	234.94	7	623.10	7	1,011.09	7	1,399.36	7	1,787.63	7	2,175.91	7	2,564.18	7	2,952.45	7	3,340.72	7	3,728.96
1/4	243.03	1/4	631.18	1/4	1,019.18	1/4	1,407.45	1/4	1,795.72	1/4	2,183.99	1/4	2,572.27	1/4	2,960.54	1/4	3,348.81	1/4	3,737.05
1/2	251.12	1/2	639.26	1/2	1,027.27	1/2	1,415.54	1/2	1,803.81	1/2	2,192.08	1/2	2,580.36	1/2	2,968.63	1/2	3,356.90	1/2	3,745.13
3/4	259.20	3/4	647.34	3/4	1,035.36	3/4	1,423.63	3/4	1,811.90	3/4	2,200.17	3/4	2,588.44	3/4	2,976.72	3/4	3,364.99	3/4	3,753.22
8	267.29	8	655.42	8	1,043.45	8	1,431.72	8	1,819.99	8	2,208.26	8	2,596.53	8	2,984.81	8	3,373.08	8	3,761.31
1/4	275.38	1/4	663.49	1/4	1,051.53	1/4	1,439.81	1/4	1,828.08	1/4	2,216.35	1/4	2,604.62	1/4	2,992.89	1/4	3,381.17	1/4	3,769.40
1/2	283.47	1/2	671.56	1/2	1,059.62	1/2	1,447.90	1/2	1,836.17	1/2	2,224.44	1/2	2,612.71	1/2	3,000.98	1/2	3,389.26	1/2	3,777.49
3/4	291.56	3/4	679.64	3/4	1,067.71	3/4	1,455.98	3/4	1,844.26	3/4	2,232.53	3/4	2,620.80	3/4	3,009.07	3/4	3,397.34	3/4	3,785.57
9	299.65	9	687.71	9	1,075.80	9	1,464.07	9	1,852.35	9	2,240.62	9	2,628.89	9	3,017.16	9	3,405.43	9	3,793.66
1/4	307.73	1/4	695.79	1/4	1,083.89	1/4	1,472.16	1/4	1,860.43	1/4	2,248.71	1/4	2,636.98	1/4	3,025.25	1/4	3,413.52	1/4	3,801.75
1/2	315.82	1/2	703.86	1/2	1,091.98	1/2	1,480.25	1/2	1,868.52	1/2	2,256.80	1/2	2,645.07	1/2	3,033.34	1/2	3,421.61	1/2	3,809.84
3/4	323.91	3/4	711.94	3/4	1,100.07	3/4	1,488.34	3/4	1,876.61	3/4	2,264.88	3/4	2,653.16	3/4	3,041.43	3/4	3,429.70	3/4	3,817.93
10	332.00	10	720.01	10	1,108.16	10	1,496.43	10	1,884.70	10	2,272.97	10	2,661.25	10	3,049.52	10	3,437.79	10	3,826.01
1/4	340.09	1/4	728.09	1/4	1,116.25	1/4	1,504.52	1/4	1,892.79	1/4	2,281.06	1/4	2,669.33	1/4	3,057.61	1/4	3,445.88	1/4	3,834.10
1/2	348.18	1/2	736.17	1/2	1,124.34	1/2	1,512.61	1/2	1,900.88	1/2	2,289.15	1/2	2,677.42	1/2	3,065.70	1/2	3,453.97	1/2	3,842.19
3/4	356.26	3/4	744.25	3/4	1,132.42	3/4	1,520.70	3/4	1,908.97	3/4	2,297.24	3/4	2,685.51	3/4	3,073.78	3/4	3,462.05	3/4	3,850.28
11	364.35	11	752.32	11	1,140.51	11	1,528.79	11	1,917.06	11	2,305.33	11	2,693.60	11	3,081.87	11	3,470.14	11	3,858.37
1/4	372.44	1/4	760.40	1/4	1,148.60	1/4	1,536.87	1/4	1,925.15	1/4	2,313.42	1/4	2,701.69	1/4	3,089.96	1/4	3,478.23	1/4	3,866.45
1/2	380.53	1/2	768.48	1/2	1,156.69	1/2	1,544.96	1/2	1,933.24	1/2	2,321.51	1/2	2,709.78	1/2	3,098.05	1/2	3,486.32	1/2	3,874.54
3/4	388.62	3/4	776.56	3/4	1,164.78	3/4	1,553.05	3/4	1,941.32	3/4	2,329.60	3/4	2,717.87	3/4	3,106.14	3/4	3,494.41	3/4	3,882.63

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 AT 2" DIAMETER OPENING ON "HERMETIC" VALVE.  
GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-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 375"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,890.72	0	4,278.94	0	4,667.17	0	5,054.44	0		0		0		0		0		0	
1/4	3,898.81	1/4	4,287.03	1/4	4,675.25	1/4	5,062.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,906.89	1/2	4,295.12	1/2	4,683.34	1/2	5,070.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,914.98	3/4	4,303.21	3/4	4,691.43	3/4	5,078.56	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,923.07	1	4,311.29	1	4,699.52	1	5,086.60	1		1		1		1		1		1	
1/4	3,931.16	1/4	4,319.38	1/4	4,707.61	1/4	5,094.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,939.25	1/2	4,327.47	1/2	4,715.69	1/2	5,102.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,947.33	3/4	4,335.56	3/4	4,723.78	3/4	5,110.72	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,955.42	2	4,343.65	2	4,731.87	2	5,118.76	2		2		2		2		2		2	
1/4	3,963.51	1/4	4,351.73	1/4	4,739.96	1/4	5,126.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,971.60	1/2	4,359.82	1/2	4,748.05	1/2	5,134.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,979.69	3/4	4,367.91	3/4	4,756.13	3/4	5,142.88	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,987.77	3	4,376.00	3	4,764.22	3	5,150.93	3		3		3		3		3		3	
1/4	3,995.86	1/4	4,384.09	1/4	4,772.31	1/4	5,158.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,003.95	1/2	4,392.17	1/2	4,780.40	1/2	5,167.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,012.04	3/4	4,400.26	3/4	4,788.49	3/4	5,175.05	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,020.13	4	4,408.35	4	4,796.57	4	5,183.09	4		4		4		4		4		4	
1/4	4,028.21	1/4	4,416.44	1/4	4,804.66	1/4	5,191.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,036.30	1/2	4,424.53	1/2	4,812.75	1/2	5,199.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,044.39	3/4	4,432.61	3/4	4,820.84	3/4	5,207.21	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,052.48	5	4,440.70	5	4,828.93	5	5,215.25	5		5		5		5		5		5	
1/4	4,060.57	1/4	4,448.79	1/4	4,837.01	1/4	5,223.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,068.65	1/2	4,456.88	1/2	4,845.10	1/2	5,231.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,076.74	3/4	4,464.97	3/4	4,853.19	3/4	5,239.37	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,084.83	6	4,473.05	6	4,861.28	6	5,247.41	6		6		6		6		6		6	
1/4	4,092.92	1/4	4,481.14	1/4	4,869.37	1/4	5,255.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,101.01	1/2	4,489.23	1/2	4,877.45	1/2	5,263.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,109.09	3/4	4,497.32	3/4	4,885.54	3/4	5,271.53	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,117.18	7	4,505.41	7	4,893.63	7	5,279.57	7		7		7		7		7		7	
1/4	4,125.27	1/4	4,513.49	1/4	4,901.67	1/4	5,287.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,133.36	1/2	4,521.58	1/2	4,909.71	1/2	5,295.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,141.45	3/4	4,529.67	3/4	4,917.75	3/4	5,303.44	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,149.53	8	4,537.76	8	4,925.79	8	5,311.39	8		8		8		8		8		8	
1/4	4,157.62	1/4	4,545.85	1/4	4,933.83	1/4	5,318.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,165.71	1/2	4,553.93	1/2	4,941.87	1/2	5,326.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,173.80	3/4	4,562.02	3/4	4,949.91	3/4	5,334.02	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,181.89	9	4,570.11	9	4,957.95	9	5,341.56	9		9		9		9		9		9	
1/4	4,189.97	1/4	4,578.20	1/4	4,965.99	1/4	5,349.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,198.06	1/2	4,586.29	1/2	4,974.03	1/2	5,353.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,206.15	3/4	4,594.37	3/4	4,982.07	3/4	5,359.91	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,214.24	10	4,602.46	10	4,990.12	10		10		10		10		10		10		10	
1/4	4,222.33	1/4	4,610.55	1/4	4,998.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,230.41	1/2	4,618.64	1/2	5,006.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,238.50	3/4	4,626.73	3/4	5,014.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,246.59	11	4,634.81	11	5,022.28	11		11		11		11		11		11		11	
1/4	4,254.68	1/4	4,642.90	1/4	5,030.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,262.77	1/2	4,650.99	1/2	5,038.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,270.85	3/4	4,659.08	3/4	5,046.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2012 CL - SW  
CALCULATED: 03/24/2012 CL  
PRINTED: 03/25/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2012

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



# BARGE "EMS 375"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.57	0	368.84	0	720.48	0	1,076.47	0	1,437.21	0	1,797.76	0	2,157.79	0	2,518.69	0	2,879.60	0	3,240.14
1/4	22.94	1/4	376.36	1/4	727.71	1/4	1,083.99	1/4	1,444.73	1/4	1,805.26	1/4	2,165.31	1/4	2,526.21	1/4	2,887.11	1/4	3,247.66
1/2	28.31	1/2	383.88	1/2	734.94	1/2	1,091.50	1/2	1,452.25	1/2	1,812.75	1/2	2,172.83	1/2	2,533.73	1/2	2,894.62	1/2	3,255.18
3/4	33.68	3/4	391.40	3/4	742.17	3/4	1,099.02	3/4	1,459.76	3/4	1,820.25	3/4	2,180.35	3/4	2,541.25	3/4	2,902.13	3/4	3,262.70
1	39.05	1	398.92	1	749.40	1	1,106.53	1	1,467.28	1	1,827.75	1	2,187.87	1	2,548.77	1	2,909.64	1	3,270.22
1/4	46.30	1/4	406.44	1/4	756.64	1/4	1,114.05	1/4	1,474.79	1/4	1,835.24	1/4	2,195.39	1/4	2,556.29	1/4	2,917.15	1/4	3,277.73
1/2	53.55	1/2	413.96	1/2	763.88	1/2	1,121.56	1/2	1,482.31	1/2	1,842.74	1/2	2,202.90	1/2	2,563.81	1/2	2,924.67	1/2	3,285.25
3/4	60.80	3/4	421.48	3/4	771.12	3/4	1,129.08	3/4	1,489.82	3/4	1,850.23	3/4	2,210.42	3/4	2,571.33	3/4	2,932.18	3/4	3,292.77
2	68.05	2	429.00	2	778.36	2	1,136.59	2	1,497.34	2	1,857.73	2	2,217.94	2	2,578.84	2	2,939.69	2	3,300.29
1/4	75.57	1/4	436.52	1/4	785.59	1/4	1,144.11	1/4	1,504.85	1/4	1,865.23	1/4	2,225.46	1/4	2,586.36	1/4	2,947.20	1/4	3,307.81
1/2	83.09	1/2	444.04	1/2	792.82	1/2	1,151.63	1/2	1,512.37	1/2	1,872.72	1/2	2,232.98	1/2	2,593.88	1/2	2,954.71	1/2	3,315.32
3/4	90.61	3/4	451.56	3/4	800.05	3/4	1,159.14	3/4	1,519.89	3/4	1,880.22	3/4	2,240.50	3/4	2,601.40	3/4	2,962.22	3/4	3,322.84
3	98.13	3	459.08	3	807.27	3	1,166.66	3	1,527.40	3	1,887.71	3	2,248.02	3	2,608.92	3	2,969.73	3	3,330.36
1/4	105.65	1/4	466.60	1/4	814.50	1/4	1,174.17	1/4	1,534.92	1/4	1,895.21	1/4	2,255.54	1/4	2,616.44	1/4	2,977.25	1/4	3,337.88
1/2	113.17	1/2	474.12	1/2	821.73	1/2	1,181.69	1/2	1,542.43	1/2	1,902.70	1/2	2,263.05	1/2	2,623.96	1/2	2,984.76	1/2	3,345.40
3/4	120.69	3/4	481.64	3/4	828.96	3/4	1,189.20	3/4	1,549.95	3/4	1,910.20	3/4	2,270.57	3/4	2,631.48	3/4	2,992.27	3/4	3,352.91
4	128.21	4	489.16	4	836.19	4	1,196.72	4	1,557.46	4	1,917.70	4	2,278.09	4	2,638.99	4	2,999.78	4	3,360.43
1/4	135.73	1/4	496.39	1/4	843.70	1/4	1,204.23	1/4	1,564.98	1/4	1,925.19	1/4	2,285.61	1/4	2,646.51	1/4	3,007.29	1/4	3,367.95
1/2	143.25	1/2	503.63	1/2	851.20	1/2	1,211.75	1/2	1,572.49	1/2	1,932.69	1/2	2,293.13	1/2	2,654.03	1/2	3,014.80	1/2	3,375.47
3/4	150.77	3/4	510.87	3/4	858.71	3/4	1,219.27	3/4	1,580.01	3/4	1,940.18	3/4	2,300.65	3/4	2,661.55	3/4	3,022.31	3/4	3,382.99
5	158.29	5	518.11	5	866.22	5	1,226.78	5	1,587.52	5	1,947.68	5	2,308.17	5	2,669.07	5	3,029.83	5	3,390.50
1/4	165.81	1/4	525.34	1/4	873.72	1/4	1,234.30	1/4	1,595.04	1/4	1,955.17	1/4	2,315.69	1/4	2,676.59	1/4	3,037.34	1/4	3,396.88
1/2	173.33	1/2	532.57	1/2	881.23	1/2	1,241.81	1/2	1,602.56	1/2	1,962.67	1/2	2,323.21	1/2	2,684.11	1/2	3,044.85	1/2	3,403.26
3/4	180.85	3/4	539.80	3/4	888.74	3/4	1,249.33	3/4	1,610.07	3/4	1,970.17	3/4	2,330.72	3/4	2,691.63	3/4	3,052.36	3/4	3,409.63
6	188.37	6	547.02	6	896.24	6	1,256.84	6	1,617.59	6	1,977.66	6	2,338.24	6	2,699.15	6	3,059.87	6	3,416.01
1/4	195.89	1/4	554.25	1/4	903.75	1/4	1,264.36	1/4	1,625.10	1/4	1,985.16	1/4	2,345.76	1/4	2,706.66	1/4	3,067.38	1/4	3,422.38
1/2	203.41	1/2	561.48	1/2	911.26	1/2	1,271.87	1/2	1,632.62	1/2	1,992.65	1/2	2,353.28	1/2	2,714.18	1/2	3,074.90	1/2	3,428.76
3/4	210.93	3/4	568.71	3/4	918.76	3/4	1,279.39	3/4	1,640.13	3/4	2,000.15	3/4	2,360.80	3/4	2,721.70	3/4	3,082.41	3/4	3,435.13
7	218.45	7	575.94	7	926.27	7	1,286.90	7	1,647.65	7	2,007.65	7	2,368.32	7	2,729.22	7	3,089.92	7	3,441.51
1/4	225.97	1/4	583.17	1/4	933.78	1/4	1,294.42	1/4	1,655.16	1/4	2,015.14	1/4	2,375.84	1/4	2,736.74	1/4	3,097.43	1/4	3,447.88
1/2	233.49	1/2	590.40	1/2	941.28	1/2	1,301.94	1/2	1,662.68	1/2	2,022.64	1/2	2,383.36	1/2	2,744.26	1/2	3,104.94	1/2	3,454.26
3/4	241.01	3/4	597.63	3/4	948.79	3/4	1,309.45	3/4	1,670.20	3/4	2,030.13	3/4	2,390.87	3/4	2,751.78	3/4	3,112.45	3/4	3,460.63
8	248.53	8	604.86	8	956.29	8	1,316.97	8	1,677.71	8	2,037.63	8	2,398.39	8	2,759.30	8	3,119.96	8	3,467.01
1/4	256.05	1/4	612.08	1/4	963.80	1/4	1,324.48	1/4	1,685.23	1/4	2,045.12	1/4	2,405.91	1/4	2,766.81	1/4	3,127.48	1/4	3,473.39
1/2	263.57	1/2	619.31	1/2	971.31	1/2	1,332.00	1/2	1,692.74	1/2	2,052.62	1/2	2,413.43	1/2	2,774.33	1/2	3,134.99	1/2	3,479.76
3/4	271.09	3/4	626.53	3/4	978.81	3/4	1,339.51	3/4	1,700.26	3/4	2,060.12	3/4	2,420.95	3/4	2,781.85	3/4	3,142.50	3/4	3,486.14
9	278.60	9	633.75	9	986.32	9	1,347.03	9	1,707.77	9	2,067.61	9	2,428.47	9	2,789.37	9	3,150.01	9	3,492.51
1/4	286.12	1/4	640.98	1/4	993.83	1/4	1,354.54	1/4	1,715.28	1/4	2,075.12	1/4	2,435.99	1/4	2,796.89	1/4	3,157.52	1/4	3,498.89
1/2	293.64	1/2	648.20	1/2	1,001.33	1/2	1,362.06	1/2	1,722.78	1/2	2,082.63	1/2	2,443.51	1/2	2,804.41	1/2	3,165.03	1/2	3,505.26
3/4	301.16	3/4	655.43	3/4	1,008.84	3/4	1,369.58	3/4	1,730.29	3/4	2,090.13	3/4	2,451.02	3/4	2,811.93	3/4	3,172.54	3/4	3,511.64
10	308.68	10	662.65	10	1,016.35	10	1,377.09	10	1,737.80	10	2,097.64	10	2,458.54	10	2,819.45	10	3,180.06	10	3,518.01
1/4	316.20	1/4	669.88	1/4	1,023.86	1/4	1,384.61	1/4	1,745.29	1/4	2,105.16	1/4	2,466.06	1/4	2,826.96	1/4	3,187.57	1/4	3,524.39
1/2	323.72	1/2	677.11	1/2	1,031.38	1/2	1,392.12	1/2	1,752.79	1/2	2,112.68	1/2	2,473.58	1/2	2,834.48	1/2	3,195.08	1/2	3,530.77
3/4	331.24	3/4	684.34	3/4	1,038.89	3/4	1,399.64	3/4	1,760.28	3/4	2,120.20	3/4	2,481.10	3/4	2,842.00	3/4	3,202.59	3/4	3,537.14
11	338.76	11	691.57	11	1,046.41	11	1,407.15	11	1,767.78	11	2,127.72	11	2,488.62	11	2,849.52	11	3,210.10	11	3,543.52
1/4	346.28	1/4	698.80	1/4	1,053.92	1/4	1,414.67	1/4	1,775.28	1/4	2,135.24	1/4	2,496.14	1/4	2,857.04	1/4	3,217.61	1/4	3,549.89
1/2	353.80	1/2	706.03	1/2	1,061.44	1/2	1,422.18	1/2	1,782.77	1/2	2,142.75	1/2	2,503.66	1/2	2,864.56	1/2	3,225.12	1/2	3,556.27
3/4	361.32	3/4	713.26	3/4	1,068.96	3/4	1,429.70	3/4	1,790.27	3/4	2,150.27	3/4	2,511.18	3/4	2,872.08	3/4	3,232.63	3/4	3,562.64

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER OPENING ON "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

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





# BARGE "EMS 375"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,569.02	0	3,875.04	0	4,181.07	0	4,486.36	0		0		0		0		0		0	
1/4	3,575.39	1/4	3,881.42	1/4	4,187.44	1/4	4,492.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,581.77	1/2	3,887.79	1/2	4,193.82	1/2	4,499.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,588.14	3/4	3,894.17	3/4	4,200.19	3/4	4,505.38	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,594.52	1	3,900.54	1	4,206.57	1	4,511.72	1		1		1		1		1		1	
1/4	3,600.90	1/4	3,906.92	1/4	4,212.94	1/4	4,518.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,607.27	1/2	3,913.30	1/2	4,219.32	1/2	4,524.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,613.65	3/4	3,919.67	3/4	4,225.69	3/4	4,530.73	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,620.02	2	3,926.05	2	4,232.07	2	4,537.07	2		2		2		2		2		2	
1/4	3,626.40	1/4	3,932.42	1/4	4,238.45	1/4	4,543.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,632.77	1/2	3,938.80	1/2	4,244.82	1/2	4,549.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,639.15	3/4	3,945.17	3/4	4,251.20	3/4	4,556.09	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,645.52	3	3,951.55	3	4,257.57	3	4,562.43	3		3		3		3		3		3	
1/4	3,651.90	1/4	3,957.92	1/4	4,263.95	1/4	4,568.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,658.28	1/2	3,964.30	1/2	4,270.32	1/2	4,575.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,664.65	3/4	3,970.67	3/4	4,276.70	3/4	4,581.45	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,671.03	4	3,977.05	4	4,283.07	4	4,587.78	4		4		4		4		4		4	
1/4	3,677.40	1/4	3,983.43	1/4	4,289.45	1/4	4,594.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,683.78	1/2	3,989.80	1/2	4,295.83	1/2	4,600.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,690.15	3/4	3,996.18	3/4	4,302.20	3/4	4,606.80	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,696.53	5	4,002.55	5	4,308.58	5	4,613.14	5		5		5		5		5		5	
1/4	3,702.90	1/4	4,008.93	1/4	4,314.95	1/4	4,619.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,709.28	1/2	4,015.30	1/2	4,321.33	1/2	4,625.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.65	3/4	4,021.68	3/4	4,327.70	3/4	4,632.16	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,722.03	6	4,028.05	6	4,334.08	6	4,638.50	6		6		6		6		6		6	
1/4	3,728.41	1/4	4,034.43	1/4	4,340.45	1/4	4,644.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,734.78	1/2	4,040.81	1/2	4,346.83	1/2	4,651.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,741.16	3/4	4,047.18	3/4	4,353.21	3/4	4,657.51	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,747.53	7	4,053.56	7	4,359.58	7	4,663.85	7		7		7		7		7		7	
1/4	3,753.91	1/4	4,059.93	1/4	4,365.92	1/4	4,671.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,760.28	1/2	4,066.31	1/2	4,372.26	1/2	4,678.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,766.66	3/4	4,072.68	3/4	4,378.60	3/4	4,686.04	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,773.03	8	4,079.06	8	4,384.94	8	4,693.43	8		8		8		8		8		8	
1/4	3,779.41	1/4	4,085.43	1/4	4,391.28	1/4	4,700.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,785.79	1/2	4,091.81	1/2	4,397.61	1/2	4,707.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,792.16	3/4	4,098.18	3/4	4,403.95	3/4	4,714.47	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,798.54	9	4,104.56	9	4,410.29	9	4,721.48	9		9		9		9		9		9	
1/4	3,804.91	1/4	4,110.94	1/4	4,416.63	1/4	4,727.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,811.29	1/2	4,117.31	1/2	4,422.97	1/2	4,732.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,817.66	3/4	4,123.69	3/4	4,429.31	3/4	4,738.54	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,824.04	10	4,130.06	10	4,435.65	10		10		10		10		10		10		10	
1/4	3,830.41	1/4	4,136.44	1/4	4,441.99	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,836.79	1/2	4,142.81	1/2	4,448.33	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,843.16	3/4	4,149.19	3/4	4,454.67	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,849.54	11	4,155.56	11	4,461.00	11		11		11		11		11		11		11	
1/4	3,855.92	1/4	4,161.94	1/4	4,467.34	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,862.29	1/2	4,168.32	1/2	4,473.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,868.67	3/4	4,174.69	3/4	4,480.02	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2012 CL - SW  
CALCULATED: 03/24/2012 CL  
PRINTED: 03/25/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2012

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



# BARGE "EMS 375"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.57	0	368.33	0	721.20	0	1,077.87	0	1,438.13	0	1,797.65	0	2,155.14	0	2,515.26	0	2,875.57	0	3,235.56
1/4	22.94	1/4	375.83	1/4	728.47	1/4	1,085.38	1/4	1,445.64	1/4	1,805.08	1/4	2,162.65	1/4	2,522.76	1/4	2,883.07	1/4	3,243.07
1/2	28.31	1/2	383.34	1/2	735.75	1/2	1,092.88	1/2	1,453.14	1/2	1,812.51	1/2	2,170.16	1/2	2,530.26	1/2	2,890.57	1/2	3,250.57
3/4	33.68	3/4	390.85	3/4	743.02	3/4	1,100.39	3/4	1,460.65	3/4	1,819.94	3/4	2,177.67	3/4	2,537.76	3/4	2,898.07	3/4	3,258.08
1	39.05	1	398.36	1	750.29	1	1,107.89	1	1,468.15	1	1,827.38	1	2,185.18	1	2,545.25	1	2,905.57	1	3,265.58
1/4	46.29	1/4	405.87	1/4	757.58	1/4	1,115.40	1/4	1,475.66	1/4	1,834.81	1/4	2,192.68	1/4	2,552.76	1/4	2,913.07	1/4	3,273.09
1/2	53.53	1/2	413.37	1/2	764.86	1/2	1,122.90	1/2	1,483.16	1/2	1,842.24	1/2	2,200.19	1/2	2,560.27	1/2	2,920.57	1/2	3,280.60
3/4	60.77	3/4	420.88	3/4	772.15	3/4	1,130.41	3/4	1,490.67	3/4	1,849.67	3/4	2,207.70	3/4	2,567.78	3/4	2,928.07	3/4	3,288.10
2	68.01	2	428.39	2	779.43	2	1,137.91	2	1,498.17	2	1,857.10	2	2,215.21	2	2,575.28	2	2,935.57	2	3,295.61
1/4	75.51	1/4	435.90	1/4	786.71	1/4	1,145.42	1/4	1,505.68	1/4	1,864.53	1/4	2,222.72	1/4	2,582.79	1/4	2,943.07	1/4	3,303.12
1/2	83.02	1/2	443.41	1/2	794.00	1/2	1,152.92	1/2	1,513.18	1/2	1,871.97	1/2	2,230.23	1/2	2,590.30	1/2	2,950.57	1/2	3,310.62
3/4	90.53	3/4	450.91	3/4	801.28	3/4	1,160.43	3/4	1,520.69	3/4	1,879.40	3/4	2,237.74	3/4	2,597.80	3/4	2,958.07	3/4	3,318.13
3	98.04	3	458.42	3	808.56	3	1,167.94	3	1,528.19	3	1,886.83	3	2,245.25	3	2,605.31	3	2,965.57	3	3,325.63
1/4	105.55	1/4	465.93	1/4	815.85	1/4	1,175.44	1/4	1,535.70	1/4	1,894.26	1/4	2,252.75	1/4	2,612.82	1/4	2,973.07	1/4	3,333.14
1/2	113.05	1/2	473.44	1/2	823.13	1/2	1,182.95	1/2	1,543.21	1/2	1,901.69	1/2	2,260.26	1/2	2,620.33	1/2	2,980.57	1/2	3,340.65
3/4	120.56	3/4	480.95	3/4	830.41	3/4	1,190.45	3/4	1,550.71	3/4	1,909.12	3/4	2,267.77	3/4	2,627.83	3/4	2,988.07	3/4	3,348.15
4	128.07	4	488.45	4	837.70	4	1,197.96	4	1,558.22	4	1,916.56	4	2,275.28	4	2,635.34	4	2,995.57	4	3,355.66
1/4	135.58	1/4	495.74	1/4	845.20	1/4	1,205.46	1/4	1,565.72	1/4	1,923.99	1/4	2,282.79	1/4	2,642.85	1/4	3,003.07	1/4	3,363.17
1/2	143.09	1/2	503.02	1/2	852.71	1/2	1,212.97	1/2	1,573.23	1/2	1,931.42	1/2	2,290.30	1/2	2,650.36	1/2	3,010.57	1/2	3,370.67
3/4	150.59	3/4	510.30	3/4	860.21	3/4	1,220.47	3/4	1,580.73	3/4	1,938.85	3/4	2,297.81	3/4	2,657.86	3/4	3,018.07	3/4	3,378.18
5	158.10	5	517.59	5	867.72	5	1,227.98	5	1,588.24	5	1,946.28	5	2,305.32	5	2,665.37	5	3,025.57	5	3,385.69
1/4	165.61	1/4	524.86	1/4	875.22	1/4	1,235.48	1/4	1,595.74	1/4	1,953.71	1/4	2,312.81	1/4	2,672.88	1/4	3,033.07	1/4	3,392.06
1/2	173.12	1/2	532.13	1/2	882.73	1/2	1,242.99	1/2	1,603.25	1/2	1,961.15	1/2	2,320.31	1/2	2,680.38	1/2	3,040.57	1/2	3,398.44
3/4	180.63	3/4	539.41	3/4	890.24	3/4	1,250.49	3/4	1,610.75	3/4	1,968.58	3/4	2,327.81	3/4	2,687.89	3/4	3,048.07	3/4	3,404.81
6	188.13	6	546.68	6	897.74	6	1,258.00	6	1,618.26	6	1,976.01	6	2,335.31	6	2,695.40	6	3,055.57	6	3,411.19
1/4	195.64	1/4	553.95	1/4	905.25	1/4	1,265.51	1/4	1,625.76	1/4	1,983.44	1/4	2,342.81	1/4	2,702.91	1/4	3,063.07	1/4	3,417.56
1/2	203.15	1/2	561.23	1/2	912.75	1/2	1,273.01	1/2	1,633.27	1/2	1,990.87	1/2	2,350.30	1/2	2,710.41	1/2	3,070.57	1/2	3,423.94
3/4	210.66	3/4	568.50	3/4	920.26	3/4	1,280.52	3/4	1,640.78	3/4	1,998.30	3/4	2,357.80	3/4	2,717.92	3/4	3,078.07	3/4	3,430.31
7	218.17	7	575.77	7	927.76	7	1,288.02	7	1,648.28	7	2,005.74	7	2,365.30	7	2,725.43	7	3,085.57	7	3,436.69
1/4	225.67	1/4	583.05	1/4	935.27	1/4	1,295.53	1/4	1,655.79	1/4	2,013.17	1/4	2,372.80	1/4	2,732.93	1/4	3,093.07	1/4	3,443.06
1/2	233.18	1/2	590.32	1/2	942.77	1/2	1,303.03	1/2	1,663.29	1/2	2,020.60	1/2	2,380.30	1/2	2,740.44	1/2	3,100.57	1/2	3,449.44
3/4	240.69	3/4	597.59	3/4	950.28	3/4	1,310.54	3/4	1,670.80	3/4	2,028.03	3/4	2,387.79	3/4	2,747.95	3/4	3,108.07	3/4	3,455.81
8	248.20	8	604.87	8	957.78	8	1,318.04	8	1,678.30	8	2,035.46	8	2,395.29	8	2,755.46	8	3,115.57	8	3,462.19
1/4	255.71	1/4	612.13	1/4	965.29	1/4	1,325.55	1/4	1,685.81	1/4	2,042.89	1/4	2,402.79	1/4	2,762.96	1/4	3,123.07	1/4	3,468.56
1/2	263.21	1/2	619.40	1/2	972.79	1/2	1,333.05	1/2	1,693.31	1/2	2,050.33	1/2	2,410.29	1/2	2,770.47	1/2	3,130.57	1/2	3,474.94
3/4	270.72	3/4	626.67	3/4	980.30	3/4	1,340.56	3/4	1,700.82	3/4	2,057.76	3/4	2,417.79	3/4	2,777.98	3/4	3,138.07	3/4	3,481.31
9	278.23	9	633.94	9	987.81	9	1,348.06	9	1,708.32	9	2,065.19	9	2,425.28	9	2,785.48	9	3,145.57	9	3,487.69
1/4	285.74	1/4	641.21	1/4	995.31	1/4	1,355.57	1/4	1,715.79	1/4	2,072.66	1/4	2,432.78	1/4	2,792.99	1/4	3,153.07	1/4	3,494.07
1/2	293.25	1/2	648.48	1/2	1,002.82	1/2	1,363.08	1/2	1,723.26	1/2	2,080.13	1/2	2,440.28	1/2	2,800.50	1/2	3,160.57	1/2	3,500.44
3/4	300.75	3/4	655.75	3/4	1,010.32	3/4	1,370.58	3/4	1,730.73	3/4	2,087.60	3/4	2,447.78	3/4	2,808.01	3/4	3,168.07	3/4	3,506.82
10	308.26	10	663.02	10	1,017.83	10	1,378.09	10	1,738.19	10	2,095.07	10	2,455.28	10	2,815.51	10	3,175.57	10	3,513.19
1/4	315.77	1/4	670.29	1/4	1,025.33	1/4	1,385.59	1/4	1,745.63	1/4	2,102.58	1/4	2,462.78	1/4	2,823.02	1/4	3,183.07	1/4	3,519.57
1/2	323.28	1/2	677.56	1/2	1,032.84	1/2	1,393.10	1/2	1,753.06	1/2	2,110.09	1/2	2,470.27	1/2	2,830.53	1/2	3,190.57	1/2	3,525.94
3/4	330.79	3/4	684.84	3/4	1,040.34	3/4	1,400.60	3/4	1,760.49	3/4	2,117.60	3/4	2,477.77	3/4	2,838.04	3/4	3,198.06	3/4	3,532.32
11	338.29	11	692.11	11	1,047.85	11	1,408.11	11	1,767.92	11	2,125.11	11	2,485.27	11	2,845.54	11	3,205.56	11	3,538.69
1/4	345.80	1/4	699.38	1/4	1,055.35	1/4	1,415.61	1/4	1,775.35	1/4	2,132.62	1/4	2,492.77	1/4	2,853.05	1/4	3,213.06	1/4	3,545.07
1/2	353.31	1/2	706.66	1/2	1,062.86	1/2	1,423.12	1/2	1,782.79	1/2	2,140.12	1/2	2,500.27	1/2	2,860.56	1/2	3,220.56	1/2	3,551.44
3/4	360.82	3/4	713.93	3/4	1,070.37	3/4	1,430.62	3/4	1,790.22	3/4	2,147.63	3/4	2,507.76	3/4	2,868.06	3/4	3,228.06	3/4	3,557.82

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER OPENING ON "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "EMS 375"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,564.19	0	3,870.21	0	4,176.22	0	4,481.51	0		0		0		0		0		0	
1/4	3,570.57	1/4	3,876.58	1/4	4,182.60	1/4	4,487.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,576.94	1/2	3,882.96	1/2	4,188.97	1/2	4,494.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,583.32	3/4	3,889.33	3/4	4,195.35	3/4	4,500.53	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,589.69	1	3,895.71	1	4,201.72	1	4,506.87	1		1		1		1		1		1	
1/4	3,596.07	1/4	3,902.08	1/4	4,208.10	1/4	4,513.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,602.45	1/2	3,908.46	1/2	4,214.47	1/2	4,519.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,608.82	3/4	3,914.84	3/4	4,220.85	3/4	4,525.89	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,615.20	2	3,921.21	2	4,227.22	2	4,532.23	2		2		2		2		2		2	
1/4	3,621.57	1/4	3,927.59	1/4	4,233.60	1/4	4,538.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,627.95	1/2	3,933.96	1/2	4,239.98	1/2	4,544.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,634.32	3/4	3,940.34	3/4	4,246.35	3/4	4,551.24	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,640.70	3	3,946.71	3	4,252.73	3	4,557.58	3		3		3		3		3		3	
1/4	3,647.07	1/4	3,953.09	1/4	4,259.10	1/4	4,563.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,653.45	1/2	3,959.46	1/2	4,265.48	1/2	4,570.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,659.82	3/4	3,965.84	3/4	4,271.85	3/4	4,576.60	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,666.20	4	3,972.21	4	4,278.23	4	4,582.94	4		4		4		4		4		4	
1/4	3,672.57	1/4	3,978.59	1/4	4,284.60	1/4	4,589.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,678.95	1/2	3,984.96	1/2	4,290.98	1/2	4,595.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.32	3/4	3,991.34	3/4	4,297.35	3/4	4,601.96	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,691.70	5	3,997.71	5	4,303.73	5	4,608.29	5		5		5		5		5		5	
1/4	3,698.07	1/4	4,004.09	1/4	4,310.10	1/4	4,614.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,704.45	1/2	4,010.46	1/2	4,316.48	1/2	4,620.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,710.83	3/4	4,016.84	3/4	4,322.85	3/4	4,627.31	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,717.20	6	4,023.22	6	4,329.23	6	4,633.65	6		6		6		6		6		6	
1/4	3,723.58	1/4	4,029.59	1/4	4,335.60	1/4	4,639.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.95	1/2	4,035.97	1/2	4,341.98	1/2	4,646.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,736.33	3/4	4,042.34	3/4	4,348.36	3/4	4,652.67	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,742.70	7	4,048.72	7	4,354.73	7	4,659.01	7		7		7		7		7		7	
1/4	3,749.08	1/4	4,055.09	1/4	4,361.07	1/4	4,666.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,755.45	1/2	4,061.47	1/2	4,367.41	1/2	4,673.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,761.83	3/4	4,067.84	3/4	4,373.75	3/4	4,681.19	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,768.20	8	4,074.22	8	4,380.09	8	4,688.59	8		8		8		8		8		8	
1/4	3,774.58	1/4	4,080.59	1/4	4,386.43	1/4	4,695.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,780.95	1/2	4,086.97	1/2	4,392.77	1/2	4,702.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,787.33	3/4	4,093.34	3/4	4,399.10	3/4	4,709.62	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,793.70	9	4,099.72	9	4,405.44	9	4,716.63	9		9		9		9		9		9	
1/4	3,800.08	1/4	4,106.09	1/4	4,411.78	1/4	4,722.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,806.46	1/2	4,112.47	1/2	4,418.12	1/2	4,728.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,812.83	3/4	4,118.84	3/4	4,424.46	3/4	4,733.69	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,819.21	10	4,125.22	10	4,430.80	10		10		10		10		10		10		10	
1/4	3,825.58	1/4	4,131.60	1/4	4,437.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,831.96	1/2	4,137.97	1/2	4,443.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,838.33	3/4	4,144.35	3/4	4,449.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,844.71	11	4,150.72	11	4,456.16	11		11		11		11		11		11		11	
1/4	3,851.08	1/4	4,157.10	1/4	4,462.50	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,857.46	1/2	4,163.47	1/2	4,468.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,863.83	3/4	4,169.85	3/4	4,475.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2012 CL - SW  
CALCULATED: 03/24/2012 CL  
PRINTED: 03/25/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2012

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "EMS 375"

## 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	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8
1 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
3 PORT	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-3/8	- 01-3/8	01-7/8	- 01-7/8	02-3/8	- 02-3/8	02-7/8	- 02-7/8
3 STBD	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-3/8	- 01-3/8	01-7/8	- 01-7/8	02-3/8	- 02-3/8	02-7/8	- 02-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-00"

March 25, 2012

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

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# BARGE "EMS 375"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,261.44	0	3,931.20	0	3,599.48	0	3,267.76	0	2,936.04	0	2,604.30	0	2,272.54
1/4		1/4		1/4		1/4	4,254.57	1/4	3,924.29	1/4	3,592.57	1/4	3,260.85	1/4	2,929.13	1/4	2,597.39	1/4	2,265.63
1/2		1/2		1/2		1/2	4,247.69	1/2	3,917.38	1/2	3,585.66	1/2	3,253.94	1/2	2,922.22	1/2	2,590.48	1/2	2,258.72
3/4		3/4		3/4		3/4	4,240.82	3/4	3,910.47	3/4	3,578.75	3/4	3,247.03	3/4	2,915.31	3/4	2,583.57	3/4	2,251.81
1		1		1		1	4,233.95	1	3,903.55	1	3,571.84	1	3,240.12	1	2,908.40	1	2,576.66	1	2,244.90
1/4		1/4		1/4		1/4	4,227.08	1/4	3,896.64	1/4	3,564.93	1/4	3,233.21	1/4	2,901.49	1/4	2,569.75	1/4	2,237.98
1/2		1/2		1/2		1/2	4,220.21	1/2	3,889.73	1/2	3,558.01	1/2	3,226.30	1/2	2,894.58	1/2	2,562.83	1/2	2,231.07
3/4		3/4		3/4		3/4	4,213.34	3/4	3,882.82	3/4	3,551.10	3/4	3,219.39	3/4	2,887.67	3/4	2,555.92	3/4	2,224.16
2		2		2		2	4,206.47	2	3,875.91	2	3,544.19	2	3,212.47	2	2,880.76	2	2,549.01	2	2,217.25
1/4		1/4		1/4		1/4	4,199.60	1/4	3,869.00	1/4	3,537.28	1/4	3,205.56	1/4	2,873.85	1/4	2,542.10	1/4	2,210.34
1/2		1/2		1/2		1/2	4,192.73	1/2	3,862.09	1/2	3,530.37	1/2	3,198.65	1/2	2,866.93	1/2	2,535.19	1/2	2,203.42
3/4		3/4		3/4		3/4	4,185.86	3/4	3,855.18	3/4	3,523.46	3/4	3,191.74	3/4	2,860.02	3/4	2,528.27	3/4	2,196.51
3		3		3		3	4,178.99	3	3,848.27	3	3,516.55	3	3,184.83	3	2,853.11	3	2,521.36	3	2,189.60
1/4		1/4		1/4		1/4	4,172.12	1/4	3,841.36	1/4	3,509.64	1/4	3,177.92	1/4	2,846.20	1/4	2,514.45	1/4	2,182.69
1/2		1/2		1/2		1/2	4,165.25	1/2	3,834.45	1/2	3,502.73	1/2	3,171.01	1/2	2,839.29	1/2	2,507.54	1/2	2,175.78
3/4		3/4		3/4		3/4	4,158.37	3/4	3,827.54	3/4	3,495.82	3/4	3,164.10	3/4	2,832.38	3/4	2,500.63	3/4	2,168.87
4		4		4		4	4,151.50	4	3,820.63	4	3,488.91	4	3,157.19	4	2,825.47	4	2,493.72	4	2,161.95
1/4		1/4		1/4		1/4	4,144.63	1/4	3,813.71	1/4	3,482.00	1/4	3,150.28	1/4	2,818.56	1/4	2,486.80	1/4	2,155.04
1/2		1/2		1/2		1/2	4,137.76	1/2	3,806.80	1/2	3,475.09	1/2	3,143.37	1/2	2,811.65	1/2	2,479.89	1/2	2,148.13
3/4		3/4		3/4		3/4	4,130.89	3/4	3,799.89	3/4	3,468.17	3/4	3,136.46	3/4	2,804.74	3/4	2,472.98	3/4	2,141.22
5		5		5		5	4,124.02	5	3,792.98	5	3,461.26	5	3,129.55	5	2,797.83	5	2,466.07	5	2,134.31
1/4		1/4		1/4		1/4	4,117.15	1/4	3,786.07	1/4	3,454.35	1/4	3,122.63	1/4	2,790.92	1/4	2,459.16	1/4	2,127.40
1/2		1/2		1/2		1/2	4,110.28	1/2	3,779.16	1/2	3,447.44	1/2	3,115.72	1/2	2,784.01	1/2	2,452.25	1/2	2,120.48
3/4		3/4		3/4		3/4	4,103.41	3/4	3,772.25	3/4	3,440.53	3/4	3,108.81	3/4	2,777.09	3/4	2,445.33	3/4	2,113.57
6		6		6		6	4,096.54	6	3,765.34	6	3,433.62	6	3,101.90	6	2,770.18	6	2,438.42	6	2,106.66
1/4		1/4		1/4		1/4	4,089.67	1/4	3,758.43	1/4	3,426.71	1/4	3,094.99	1/4	2,763.27	1/4	2,431.51	1/4	2,099.75
1/2		1/2		1/2	4,405.66	1/2	4,082.80	1/2	3,751.52	1/2	3,419.80	1/2	3,088.08	1/2	2,756.36	1/2	2,424.60	1/2	2,092.84
3/4		3/4		3/4	4,400.43	3/4	4,075.92	3/4	3,744.61	3/4	3,412.89	3/4	3,081.17	3/4	2,749.45	3/4	2,417.69	3/4	2,085.93
7		7		7	4,395.21	7	4,069.05	7	3,737.70	7	3,405.98	7	3,074.26	7	2,742.54	7	2,410.78	7	2,079.01
1/4		1/4		1/4	4,389.98	1/4	4,062.18	1/4	3,730.78	1/4	3,399.07	1/4	3,067.35	1/4	2,735.63	1/4	2,403.86	1/4	2,072.10
1/2		1/2		1/2	4,383.53	1/2	4,055.31	1/2	3,723.87	1/2	3,392.16	1/2	3,060.44	1/2	2,728.71	1/2	2,396.95	1/2	2,065.19
3/4		3/4		3/4	4,377.09	3/4	4,048.44	3/4	3,716.96	3/4	3,385.24	3/4	3,053.53	3/4	2,721.80	3/4	2,390.04	3/4	2,058.28
8		8		8	4,370.64	8	4,041.57	8	3,710.05	8	3,378.33	8	3,046.62	8	2,714.89	8	2,383.13	8	2,051.37
1/4		1/4		1/4	4,364.20	1/4	4,034.70	1/4	3,703.14	1/4	3,371.42	1/4	3,039.70	1/4	2,707.98	1/4	2,376.22	1/4	2,044.46
1/2		1/2		1/2	4,357.40	1/2	4,027.83	1/2	3,696.23	1/2	3,364.51	1/2	3,032.79	1/2	2,701.07	1/2	2,369.31	1/2	2,037.54
3/4		3/4		3/4	4,350.61	3/4	4,020.96	3/4	3,689.32	3/4	3,357.60	3/4	3,025.88	3/4	2,694.16	3/4	2,362.39	3/4	2,030.63
9		9		9	4,343.81	9	4,014.09	9	3,682.41	9	3,350.69	9	3,018.97	9	2,687.24	9	2,355.48	9	2,023.72
1/4		1/4		1/4	4,337.02	1/4	4,007.22	1/4	3,675.50	1/4	3,343.78	1/4	3,012.06	1/4	2,680.33	1/4	2,348.57	1/4	2,016.81
1/2		1/2		1/2	4,330.14	1/2	4,000.31	1/2	3,668.59	1/2	3,336.87	1/2	3,005.15	1/2	2,673.42	1/2	2,341.66	1/2	2,009.90
3/4		3/4		3/4	4,323.27	3/4	3,993.40	3/4	3,661.68	3/4	3,329.96	3/4	2,998.24	3/4	2,666.51	3/4	2,334.75	3/4	2,002.99
10		10		10	4,316.40	10	3,986.48	10	3,654.77	10	3,323.05	10	2,991.33	10	2,659.60	10	2,327.84	10	1,996.07
1/4		1/4		1/4	4,309.53	1/4	3,979.57	1/4	3,647.86	1/4	3,316.14	1/4	2,984.42	1/4	2,652.69	1/4	2,320.92	1/4	1,989.16
1/2		1/2		1/2	4,302.66	1/2	3,972.66	1/2	3,640.94	1/2	3,309.23	1/2	2,977.51	1/2	2,645.77	1/2	2,314.01	1/2	1,982.25
3/4		3/4		3/4	4,295.79	3/4	3,965.75	3/4	3,634.03	3/4	3,302.32	3/4	2,970.60	3/4	2,638.86	3/4	2,307.10	3/4	1,975.34
11		11		11	4,288.92	11	3,958.84	11	3,627.12	11	3,295.40	11	2,963.69	11	2,631.95	11	2,300.19	11	1,968.43
1/4		1/4		1/4	4,282.05	1/4	3,951.93	1/4	3,620.21	1/4	3,288.49	1/4	2,956.78	1/4	2,625.04	1/4	2,293.28	1/4	1,961.52
1/2		1/2		1/2	4,275.18	1/2	3,945.02	1/2	3,613.30	1/2	3,281.58	1/2	2,949.86	1/2	2,618.13	1/2	2,286.37	1/2	1,954.60
3/4		3/4		3/4	4,268.31	3/4	3,938.11	3/4	3,606.39	3/4	3,274.67	3/4	2,942.95	3/4	2,611.22	3/4	2,279.45	3/4	1,947.69

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "EMS 375"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,940.78	0	1,609.02	0	1,277.26	0	949.73	0	642.52	0	353.47	0	84.33	0		0		0	
1/4	1,933.87	1/4	1,602.11	1/4	1,270.35	1/4	943.10	1/4	636.28	1/4	347.65	1/4	78.92	1/4	1/4	1/4		1/4	
1/2	1,926.96	1/2	1,595.20	1/2	1,263.43	1/2	936.51	1/2	630.08	1/2	341.86	1/2	73.54	1/2	1/2	1/2		1/2	
3/4	1,920.05	3/4	1,588.28	3/4	1,256.52	3/4	929.92	3/4	623.87	3/4	336.07	3/4	68.17	3/4	3/4	3/4		3/4	
1	1,913.13	1	1,581.37	1	1,249.61	1	923.32	1	617.67	1	330.28	1	62.79	1	1	1		1	
1/4	1,906.22	1/4	1,574.46	1/4	1,242.70	1/4	916.73	1/4	611.47	1/4	324.49	1/4	57.42	1/4	1/4	1/4		1/4	
1/2	1,899.31	1/2	1,567.55	1/2	1,235.79	1/2	910.19	1/2	605.30	1/2	318.74	1/2	52.08	1/2	1/2	1/2		1/2	
3/4	1,892.40	3/4	1,560.64	3/4	1,228.88	3/4	903.65	3/4	599.13	3/4	312.98	3/4	46.74	3/4	3/4	3/4		3/4	
2	1,885.49	2	1,553.73	2	1,221.96	2	897.11	2	592.96	2	307.23	2	41.40	2	2	2		2	
1/4	1,878.58	1/4	1,546.81	1/4	1,215.05	1/4	890.57	1/4	586.79	1/4	301.48	1/4	36.06	1/4	1/4	1/4		1/4	
1/2	1,871.66	1/2	1,539.90	1/2	1,208.14	1/2	884.06	1/2	580.66	1/2	295.76	1/2	31.00	1/2	1/2	1/2		1/2	
3/4	1,864.75	3/4	1,532.99	3/4	1,201.23	3/4	877.55	3/4	574.52	3/4	290.04	3/4	25.95	3/4	3/4	3/4		3/4	
3	1,857.84	3	1,526.08	3	1,194.32	3	871.05	3	568.39	3	284.32	3	20.89	3	3	3		3	
1/4	1,850.93	1/4	1,519.17	1/4	1,187.41	1/4	864.54	1/4	562.26	1/4	278.60	1/4	15.83	1/4	1/4	1/4		1/4	
1/2	1,844.02	1/2	1,512.25	1/2	1,180.49	1/2	858.07	1/2	556.16	1/2	272.91	1/2	12.54	1/2	1/2	1/2		1/2	
3/4	1,837.10	3/4	1,505.34	3/4	1,173.58	3/4	851.59	3/4	550.06	3/4	267.23	3/4	9.24	3/4	3/4	3/4		3/4	
4	1,830.19	4	1,498.43	4	1,166.67	4	845.12	4	543.96	4	261.54	4	5.95	4	4	4		4	
1/4	1,823.28	1/4	1,491.52	1/4	1,159.76	1/4	838.65	1/4	537.86	1/4	255.86	1/4	2.65	1/4	1/4	1/4		1/4	
1/2	1,816.37	1/2	1,484.61	1/2	1,152.86	1/2	832.22	1/2	531.79	1/2	250.21	1/2		1/2	1/2	1/2		1/2	
3/4	1,809.46	3/4	1,477.70	3/4	1,145.97	3/4	825.78	3/4	525.73	3/4	244.56	3/4		3/4	3/4	3/4		3/4	
5	1,802.55	5	1,470.78	5	1,139.08	5	819.35	5	519.66	5	238.91	5		5	5	5		5	
1/4	1,795.63	1/4	1,463.87	1/4	1,132.18	1/4	812.92	1/4	513.60	1/4	233.26	1/4		1/4	1/4	1/4		1/4	
1/2	1,788.72	1/2	1,456.96	1/2	1,125.32	1/2	806.52	1/2	507.57	1/2	227.64	1/2		1/2	1/2	1/2		1/2	
3/4	1,781.81	3/4	1,450.05	3/4	1,118.46	3/4	800.12	3/4	501.54	3/4	222.03	3/4		3/4	3/4	3/4		3/4	
6	1,774.90	6	1,443.14	6	1,111.60	6	793.72	6	495.51	6	216.41	6		6	6	6		6	
1/4	1,767.99	1/4	1,436.23	1/4	1,104.74	1/4	787.32	1/4	489.48	1/4	210.79	1/4		1/4	1/4	1/4		1/4	
1/2	1,761.08	1/2	1,429.31	1/2	1,097.92	1/2	780.95	1/2	483.48	1/2	205.21	1/2		1/2	1/2	1/2		1/2	
3/4	1,754.16	3/4	1,422.40	3/4	1,091.09	3/4	774.59	3/4	477.48	3/4	199.63	3/4		3/4	3/4	3/4		3/4	
7	1,747.25	7	1,415.49	7	1,084.27	7	768.22	7	471.49	7	194.05	7		7	7	7		7	
1/4	1,740.34	1/4	1,408.58	1/4	1,077.44	1/4	761.85	1/4	465.49	1/4	188.47	1/4		1/4	1/4	1/4		1/4	
1/2	1,733.43	1/2	1,401.67	1/2	1,070.65	1/2	755.52	1/2	459.53	1/2	182.92	1/2		1/2	1/2	1/2		1/2	
3/4	1,726.52	3/4	1,394.76	3/4	1,063.86	3/4	749.18	3/4	453.57	3/4	177.38	3/4		3/4	3/4	3/4		3/4	
8	1,719.61	8	1,387.84	8	1,057.07	8	742.85	8	447.61	8	171.83	8		8	8	8		8	
1/4	1,712.69	1/4	1,380.93	1/4	1,050.28	1/4	736.51	1/4	441.65	1/4	166.28	1/4		1/4	1/4	1/4		1/4	
1/2	1,705.78	1/2	1,374.02	1/2	1,043.52	1/2	730.21	1/2	435.72	1/2	160.77	1/2		1/2	1/2	1/2		1/2	
3/4	1,698.87	3/4	1,367.11	3/4	1,036.76	3/4	723.91	3/4	429.79	3/4	155.26	3/4		3/4	3/4	3/4		3/4	
9	1,691.96	9	1,360.20	9	1,030.01	9	717.61	9	423.87	9	149.75	9		9	9	9		9	
1/4	1,685.05	1/4	1,353.29	1/4	1,023.25	1/4	711.32	1/4	417.94	1/4	144.23	1/4		1/4	1/4	1/4		1/4	
1/2	1,678.14	1/2	1,346.37	1/2	1,016.53	1/2	705.04	1/2	412.05	1/2	138.76	1/2		1/2	1/2	1/2		1/2	
3/4	1,671.22	3/4	1,339.46	3/4	1,009.81	3/4	698.76	3/4	406.16	3/4	133.28	3/4		3/4	3/4	3/4		3/4	
10	1,664.31	10	1,332.55	10	1,003.09	10	692.48	10	400.26	10	127.80	10		10	10	10		10	
1/4	1,657.40	1/4	1,325.64	1/4	996.37	1/4	686.20	1/4	394.37	1/4	122.32	1/4		1/4	1/4	1/4		1/4	
1/2	1,650.49	1/2	1,318.73	1/2	989.68	1/2	679.96	1/2	388.51	1/2	116.88	1/2		1/2	1/2	1/2		1/2	
3/4	1,643.58	3/4	1,311.82	3/4	982.99	3/4	673.72	3/4	382.66	3/4	111.44	3/4		3/4	3/4	3/4		3/4	
11	1,636.67	11	1,304.90	11	976.30	11	667.47	11	376.80	11	105.99	11		11	11	11		11	
1/4	1,629.75	1/4	1,297.99	1/4	969.62	1/4	661.23	1/4	370.94	1/4	100.55	1/4		1/4	1/4	1/4		1/4	
1/2	1,622.84	1/2	1,291.08	1/2	962.99	1/2	654.99	1/2	365.12	1/2	95.14	1/2		1/2	1/2	1/2		1/2	
3/4	1,615.93	3/4	1,284.17	3/4	956.36	3/4	648.75	3/4	359.29	3/4	89.73	3/4		3/4	3/4	3/4		3/4	

STRAPPED: 03/23/2012 CL - SW  
CALCULATED: 03/24/2012 CL  
PRINTED: 03/25/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2012

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 375"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,288.11	0	3,958.20	0	3,626.66	0	3,295.12	0	2,963.58	0	2,632.02	0	2,300.43
1/4		1/4		1/4		1/4	4,281.24	1/4	3,951.29	1/4	3,619.75	1/4	3,288.21	1/4	2,956.67	1/4	2,625.11	1/4	2,293.52
1/2		1/2		1/2		1/2	4,274.38	1/2	3,944.39	1/2	3,612.85	1/2	3,281.31	1/2	2,949.77	1/2	2,618.20	1/2	2,286.61
3/4		3/4		3/4		3/4	4,267.51	3/4	3,937.48	3/4	3,605.94	3/4	3,274.40	3/4	2,942.86	3/4	2,611.30	3/4	2,279.71
1		1		1		1	4,260.64	1	3,930.57	1	3,599.03	1	3,267.49	1	2,935.95	1	2,604.39	1	2,272.80
1/4		1/4		1/4		1/4	4,253.77	1/4	3,923.67	1/4	3,592.13	1/4	3,260.58	1/4	2,929.04	1/4	2,597.48	1/4	2,265.89
1/2		1/2		1/2		1/2	4,246.91	1/2	3,916.76	1/2	3,585.22	1/2	3,253.68	1/2	2,922.14	1/2	2,590.57	1/2	2,258.98
3/4		3/4		3/4		3/4	4,240.04	3/4	3,909.85	3/4	3,578.31	3/4	3,246.77	3/4	2,915.23	3/4	2,583.66	3/4	2,252.07
2		2		2		2	4,233.17	2	3,902.94	2	3,571.40	2	3,239.86	2	2,908.32	2	2,576.75	2	2,245.17
1/4		1/4		1/4		1/4	4,226.30	1/4	3,896.04	1/4	3,564.50	1/4	3,232.96	1/4	2,901.42	1/4	2,569.85	1/4	2,238.26
1/2		1/2		1/2		1/2	4,219.44	1/2	3,889.13	1/2	3,557.59	1/2	3,226.05	1/2	2,894.51	1/2	2,562.94	1/2	2,231.35
3/4		3/4		3/4		3/4	4,212.57	3/4	3,882.22	3/4	3,550.68	3/4	3,219.14	3/4	2,887.60	3/4	2,556.03	3/4	2,224.44
3		3		3		3	4,205.70	3	3,875.32	3	3,543.78	3	3,212.23	3	2,880.69	3	2,549.12	3	2,217.53
1/4		1/4		1/4		1/4	4,198.84	1/4	3,868.41	1/4	3,536.87	1/4	3,205.33	1/4	2,873.79	1/4	2,542.21	1/4	2,210.63
1/2		1/2		1/2		1/2	4,191.97	1/2	3,861.50	1/2	3,529.96	1/2	3,198.42	1/2	2,866.88	1/2	2,535.31	1/2	2,203.72
3/4		3/4		3/4		3/4	4,185.10	3/4	3,854.60	3/4	3,523.05	3/4	3,191.51	3/4	2,859.97	3/4	2,528.40	3/4	2,196.81
4		4		4		4	4,178.23	4	3,847.69	4	3,516.15	4	3,184.61	4	2,853.07	4	2,521.49	4	2,189.90
1/4		1/4		1/4		1/4	4,171.37	1/4	3,840.78	1/4	3,509.24	1/4	3,177.70	1/4	2,846.16	1/4	2,514.58	1/4	2,182.99
1/2		1/2		1/2		1/2	4,164.50	1/2	3,833.87	1/2	3,502.33	1/2	3,170.79	1/2	2,839.25	1/2	2,507.67	1/2	2,176.08
3/4		3/4		3/4		3/4	4,157.63	3/4	3,826.97	3/4	3,495.43	3/4	3,163.89	3/4	2,832.34	3/4	2,500.77	3/4	2,169.18
5		5		5		5	4,150.76	5	3,820.06	5	3,488.52	5	3,156.98	5	2,825.44	5	2,493.86	5	2,162.27
1/4		1/4		1/4		1/4	4,143.90	1/4	3,813.15	1/4	3,481.61	1/4	3,150.07	1/4	2,818.53	1/4	2,486.95	1/4	2,155.36
1/2		1/2		1/2		1/2	4,137.03	1/2	3,806.25	1/2	3,474.70	1/2	3,143.16	1/2	2,811.62	1/2	2,480.04	1/2	2,148.45
3/4		3/4		3/4		3/4	4,130.16	3/4	3,799.34	3/4	3,467.80	3/4	3,136.26	3/4	2,804.72	3/4	2,473.13	3/4	2,141.54
6		6		6		6	4,123.30	6	3,792.43	6	3,460.89	6	3,129.35	6	2,797.81	6	2,466.23	6	2,134.64
1/4		1/4		1/4		1/4	4,116.43	1/4	3,785.52	1/4	3,453.98	1/4	3,122.44	1/4	2,790.90	1/4	2,459.32	1/4	2,127.73
1/2		1/2		1/2		1/2	4,109.56	1/2	3,778.62	1/2	3,447.08	1/2	3,115.54	1/2	2,783.99	1/2	2,452.41	1/2	2,120.82
3/4		3/4		3/4		3/4	4,102.69	3/4	3,771.71	3/4	3,440.17	3/4	3,108.63	3/4	2,777.09	3/4	2,445.50	3/4	2,113.91
7		7		7		7	4,095.83	7	3,764.80	7	3,433.26	7	3,101.72	7	2,770.18	7	2,438.59	7	2,107.00
1/4		1/4		1/4		1/4	4,088.96	1/4	3,757.90	1/4	3,426.35	1/4	3,094.81	1/4	2,763.27	1/4	2,431.68	1/4	2,100.10
1/2		1/2		1/2	4,404.80	1/2	4,082.09	1/2	3,750.99	1/2	3,419.45	1/2	3,087.91	1/2	2,756.37	1/2	2,424.78	1/2	2,093.19
3/4		3/4		3/4	4,399.57	3/4	4,075.22	3/4	3,744.08	3/4	3,412.54	3/4	3,081.00	3/4	2,749.46	3/4	2,417.87	3/4	2,086.28
8		8		8	4,394.35	8	4,068.36	8	3,737.17	8	3,405.63	8	3,074.09	8	2,742.55	8	2,410.96	8	2,079.37
1/4		1/4		1/4	4,389.13	1/4	4,061.49	1/4	3,730.27	1/4	3,398.73	1/4	3,067.19	1/4	2,735.64	1/4	2,404.05	1/4	2,072.46
1/2		1/2		1/2	4,382.68	1/2	4,054.62	1/2	3,723.36	1/2	3,391.82	1/2	3,060.28	1/2	2,728.73	1/2	2,397.14	1/2	2,065.56
3/4		3/4		3/4	4,376.24	3/4	4,047.76	3/4	3,716.45	3/4	3,384.91	3/4	3,053.37	3/4	2,721.82	3/4	2,390.24	3/4	2,058.65
9		9		9	4,369.80	9	4,040.89	9	3,709.55	9	3,378.01	9	3,046.46	9	2,714.92	9	2,383.33	9	2,051.74
1/4		1/4		1/4	4,363.36	1/4	4,034.02	1/4	3,702.64	1/4	3,371.10	1/4	3,039.56	1/4	2,708.01	1/4	2,376.42	1/4	2,044.83
1/2		1/2		1/2	4,356.56	1/2	4,027.15	1/2	3,695.73	1/2	3,364.19	1/2	3,032.65	1/2	2,701.10	1/2	2,369.51	1/2	2,037.92
3/4		3/4		3/4	4,349.77	3/4	4,020.29	3/4	3,688.82	3/4	3,357.28	3/4	3,025.74	3/4	2,694.19	3/4	2,362.60	3/4	2,031.01
10		10		10	4,342.98	10	4,013.42	10	3,681.92	10	3,350.38	10	3,018.84	10	2,687.28	10	2,355.70	10	2,024.11
1/4		1/4		1/4	4,336.18	1/4	4,006.55	1/4	3,675.01	1/4	3,343.47	1/4	3,011.93	1/4	2,680.38	1/4	2,348.79	1/4	2,017.20
1/2		1/2		1/2	4,329.31	1/2	3,999.64	1/2	3,668.10	1/2	3,336.56	1/2	3,005.02	1/2	2,673.47	1/2	2,341.88	1/2	2,010.29
3/4		3/4		3/4	4,322.45	3/4	3,992.74	3/4	3,661.20	3/4	3,329.66	3/4	2,998.11	3/4	2,666.56	3/4	2,334.97	3/4	2,003.38
11		11		11	4,315.58	11	3,985.83	11	3,654.29	11	3,322.75	11	2,991.21	11	2,659.65	11	2,328.06	11	1,996.47
1/4		1/4		1/4	4,308.71	1/4	3,978.92	1/4	3,647.38	1/4	3,315.84	1/4	2,984.30	1/4	2,652.74	1/4	2,321.15	1/4	1,989.57
1/2		1/2		1/2	4,301.85	1/2	3,972.02	1/2	3,640.48	1/2	3,308.93	1/2	2,977.39	1/2	2,645.84	1/2	2,314.25	1/2	1,982.66
3/4		3/4		3/4	4,294.98	3/4	3,965.11	3/4	3,633.57	3/4	3,302.03	3/4	2,970.49	3/4	2,638.93	3/4	2,307.34	3/4	1,975.75

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

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 375"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,968.84	0	1,637.25	0	1,305.66	0	977.23	0	667.23	0	376.66	0	105.96	0		0		0	
1/4	1,961.93	1/4	1,630.34	1/4	1,298.76	1/4	970.55	1/4	660.96	1/4	370.80	1/4	100.52	1/4	1/4		1/4		1/4
1/2	1,955.03	1/2	1,623.44	1/2	1,291.85	1/2	963.90	1/2	654.73	1/2	364.98	1/2	95.12	1/2	1/2		1/2		1/2
3/4	1,948.12	3/4	1,616.53	3/4	1,284.94	3/4	957.25	3/4	648.49	3/4	359.16	3/4	89.71	3/4	3/4		3/4		3/4
1	1,941.21	1	1,609.62	1	1,278.03	1	950.60	1	642.26	1	353.34	1	84.30	1	1		1		1
1/4	1,934.30	1/4	1,602.71	1/4	1,271.12	1/4	943.95	1/4	636.02	1/4	347.52	1/4	78.90	1/4	1/4		1/4		1/4
1/2	1,927.39	1/2	1,595.80	1/2	1,264.22	1/2	937.34	1/2	629.82	1/2	341.73	1/2	73.52	1/2	1/2		1/2		1/2
3/4	1,920.49	3/4	1,588.90	3/4	1,257.31	3/4	930.72	3/4	623.62	3/4	335.95	3/4	68.15	3/4	3/4		3/4		3/4
2	1,913.58	2	1,581.99	2	1,250.40	2	924.11	2	617.42	2	330.16	2	62.78	2	2		2		2
1/4	1,906.67	1/4	1,575.08	1/4	1,243.49	1/4	917.49	1/4	611.22	1/4	324.37	1/4	57.41	1/4	1/4		1/4		1/4
1/2	1,899.76	1/2	1,568.17	1/2	1,236.58	1/2	910.93	1/2	605.05	1/2	318.62	1/2	52.07	1/2	1/2		1/2		1/2
3/4	1,892.85	3/4	1,561.26	3/4	1,229.68	3/4	904.36	3/4	598.89	3/4	312.87	3/4	46.73	3/4	3/4		3/4		3/4
3	1,885.94	3	1,554.36	3	1,222.77	3	897.79	3	592.72	3	307.12	3	41.40	3	3		3		3
1/4	1,879.04	1/4	1,547.45	1/4	1,215.86	1/4	891.23	1/4	586.56	1/4	301.37	1/4	36.06	1/4	1/4		1/4		1/4
1/2	1,872.13	1/2	1,540.54	1/2	1,208.95	1/2	884.69	1/2	580.43	1/2	295.65	1/2	31.00	1/2	1/2		1/2		1/2
3/4	1,865.22	3/4	1,533.63	3/4	1,202.04	3/4	878.16	3/4	574.29	3/4	289.93	3/4	25.95	3/4	3/4		3/4		3/4
4	1,858.31	4	1,526.72	4	1,195.13	4	871.63	4	568.16	4	284.22	4	20.89	4	4		4		4
1/4	1,851.40	1/4	1,519.82	1/4	1,188.23	1/4	865.10	1/4	562.03	1/4	278.50	1/4	15.83	1/4	1/4		1/4		1/4
1/2	1,844.50	1/2	1,512.91	1/2	1,181.32	1/2	858.60	1/2	555.94	1/2	272.82	1/2	12.54	1/2	1/2		1/2		1/2
3/4	1,837.59	3/4	1,506.00	3/4	1,174.41	3/4	852.10	3/4	549.84	3/4	267.13	3/4	9.25	3/4	3/4		3/4		3/4
5	1,830.68	5	1,499.09	5	1,167.50	5	845.60	5	543.74	5	261.45	5	5.95	5	5		5		5
1/4	1,823.77	1/4	1,492.18	1/4	1,160.59	1/4	839.11	1/4	537.64	1/4	255.77	1/4	2.66	1/4	1/4		1/4		1/4
1/2	1,816.86	1/2	1,485.27	1/2	1,153.70	1/2	832.65	1/2	531.58	1/2	250.12	1/2		1/2	1/2		1/2		1/2
3/4	1,809.96	3/4	1,478.37	3/4	1,146.81	3/4	826.19	3/4	525.52	3/4	244.47	3/4		3/4	3/4		3/4		3/4
6	1,803.05	6	1,471.46	6	1,139.92	6	819.73	6	519.46	6	238.82	6		6	6		6		6
1/4	1,796.14	1/4	1,464.55	1/4	1,133.03	1/4	813.27	1/4	513.40	1/4	233.18	1/4		1/4	1/4		1/4		1/4
1/2	1,789.23	1/2	1,457.64	1/2	1,126.17	1/2	806.84	1/2	507.37	1/2	227.56	1/2		1/2	1/2		1/2		1/2
3/4	1,782.32	3/4	1,450.73	3/4	1,119.32	3/4	800.42	3/4	501.34	3/4	221.95	3/4		3/4	3/4		3/4		3/4
7	1,775.42	7	1,443.83	7	1,112.46	7	794.00	7	495.31	7	216.34	7		7	7		7		7
1/4	1,768.51	1/4	1,436.92	1/4	1,105.61	1/4	787.57	1/4	489.28	1/4	210.72	1/4		1/4	1/4		1/4		1/4
1/2	1,761.60	1/2	1,430.01	1/2	1,098.78	1/2	781.18	1/2	483.29	1/2	205.14	1/2		1/2	1/2		1/2		1/2
3/4	1,754.69	3/4	1,423.10	3/4	1,091.96	3/4	774.78	3/4	477.30	3/4	199.56	3/4		3/4	3/4		3/4		3/4
8	1,747.78	8	1,416.19	8	1,085.14	8	768.39	8	471.31	8	193.98	8		8	8		8		8
1/4	1,740.87	1/4	1,409.29	1/4	1,078.32	1/4	761.99	1/4	465.31	1/4	188.41	1/4		1/4	1/4		1/4		1/4
1/2	1,733.97	1/2	1,402.38	1/2	1,071.53	1/2	755.63	1/2	459.35	1/2	182.86	1/2		1/2	1/2		1/2		1/2
3/4	1,727.06	3/4	1,395.47	3/4	1,064.74	3/4	749.27	3/4	453.39	3/4	177.32	3/4		3/4	3/4		3/4		3/4
9	1,720.15	9	1,388.56	9	1,057.96	9	742.91	9	447.44	9	171.77	9		9	9		9		9
1/4	1,713.24	1/4	1,381.65	1/4	1,051.17	1/4	736.55	1/4	441.48	1/4	166.23	1/4		1/4	1/4		1/4		1/4
1/2	1,706.33	1/2	1,374.75	1/2	1,044.42	1/2	730.23	1/2	435.55	1/2	160.72	1/2		1/2	1/2		1/2		1/2
3/4	1,699.43	3/4	1,367.84	3/4	1,037.66	3/4	723.90	3/4	429.63	3/4	155.21	3/4		3/4	3/4		3/4		3/4
10	1,692.52	10	1,360.93	10	1,030.91	10	717.58	10	423.70	10	149.70	10		10	10		10		10
1/4	1,685.61	1/4	1,354.02	1/4	1,024.16	1/4	711.25	1/4	417.78	1/4	144.19	1/4		1/4	1/4		1/4		1/4
1/2	1,678.70	1/2	1,347.11	1/2	1,017.44	1/2	704.95	1/2	411.89	1/2	138.71	1/2		1/2	1/2		1/2		1/2
3/4	1,671.79	3/4	1,340.20	3/4	1,010.72	3/4	698.65	3/4	406.00	3/4	133.24	3/4		3/4	3/4		3/4		3/4
11	1,664.89	11	1,333.30	11	1,004.00	11	692.34	11	400.11	11	127.76	11		11	11		11		11
1/4	1,657.98	1/4	1,326.39	1/4	997.28	1/4	686.04	1/4	394.22	1/4	122.29	1/4		1/4	1/4		1/4		1/4
1/2	1,651.07	1/2	1,319.48	1/2	990.60	1/2	679.77	1/2	388.37	1/2	116.84	1/2		1/2	1/2		1/2		1/2
3/4	1,644.16	3/4	1,312.57	3/4	983.92	3/4	673.50	3/4	382.51	3/4	111.40	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2012 CL - SW  
CALCULATED: 03/24/2012 CL  
PRINTED: 03/25/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2012

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



# BARGE "EMS 375"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,173.91	0	4,787.60	0	4,399.56	0	4,011.52	0	3,623.47	0	3,235.40	0	2,847.31
1/4		1/4		1/4		1/4	5,165.87	1/4	4,779.51	1/4	4,391.47	1/4	4,003.43	1/4	3,615.39	1/4	3,227.32	1/4	2,839.22
1/2		1/2		1/2		1/2	5,157.83	1/2	4,771.43	1/2	4,383.39	1/2	3,995.35	1/2	3,607.31	1/2	3,219.23	1/2	2,831.13
3/4		3/4		3/4		3/4	5,149.80	3/4	4,763.35	3/4	4,375.30	3/4	3,987.26	3/4	3,599.22	3/4	3,211.15	3/4	2,823.05
1		1		1		1	5,141.76	1	4,755.26	1	4,367.22	1	3,979.18	1	3,591.14	1	3,203.06	1	2,814.96
1/4		1/4		1/4		1/4	5,133.72	1/4	4,747.18	1/4	4,359.14	1/4	3,971.09	1/4	3,583.05	1/4	3,194.98	1/4	2,806.88
1/2		1/2		1/2		1/2	5,125.68	1/2	4,739.09	1/2	4,351.05	1/2	3,963.01	1/2	3,574.97	1/2	3,186.89	1/2	2,798.79
3/4		3/4		3/4		3/4	5,117.65	3/4	4,731.01	3/4	4,342.97	3/4	3,954.93	3/4	3,566.88	3/4	3,178.81	3/4	2,790.71
2		2		2		2	5,109.61	2	4,722.92	2	4,334.88	2	3,946.84	2	3,558.80	2	3,170.72	2	2,782.62
1/4		1/4		1/4		1/4	5,101.57	1/4	4,714.84	1/4	4,326.80	1/4	3,938.76	1/4	3,550.72	1/4	3,162.64	1/4	2,774.54
1/2		1/2		1/2		1/2	5,093.53	1/2	4,706.76	1/2	4,318.71	1/2	3,930.67	1/2	3,542.63	1/2	3,154.55	1/2	2,766.45
3/4		3/4		3/4		3/4	5,085.50	3/4	4,698.67	3/4	4,310.63	3/4	3,922.59	3/4	3,534.55	3/4	3,146.46	3/4	2,758.37
3		3		3		3	5,077.46	3	4,690.59	3	4,302.55	3	3,914.50	3	3,526.46	3	3,138.38	3	2,750.28
1/4		1/4		1/4		1/4	5,069.42	1/4	4,682.50	1/4	4,294.46	1/4	3,906.42	1/4	3,518.38	1/4	3,130.29	1/4	2,742.20
1/2		1/2		1/2		1/2	5,061.38	1/2	4,674.42	1/2	4,286.38	1/2	3,898.34	1/2	3,510.29	1/2	3,122.21	1/2	2,734.11
3/4		3/4		3/4		3/4	5,053.35	3/4	4,666.34	3/4	4,278.29	3/4	3,890.25	3/4	3,502.21	3/4	3,114.12	3/4	2,726.02
4		4		4		4	5,045.31	4	4,658.25	4	4,270.21	4	3,882.17	4	3,494.13	4	3,106.04	4	2,717.94
1/4		1/4		1/4		1/4	5,037.27	1/4	4,650.17	1/4	4,262.13	1/4	3,874.08	1/4	3,486.04	1/4	3,097.95	1/4	2,709.85
1/2		1/2		1/2		1/2	5,029.24	1/2	4,642.08	1/2	4,254.04	1/2	3,866.00	1/2	3,477.96	1/2	3,089.87	1/2	2,701.77
3/4		3/4		3/4		3/4	5,021.20	3/4	4,634.00	3/4	4,245.96	3/4	3,857.92	3/4	3,469.87	3/4	3,081.78	3/4	2,693.68
5		5		5		5	5,013.16	5	4,625.91	5	4,237.87	5	3,849.83	5	3,461.79	5	3,073.70	5	2,685.60
1/4		1/4		1/4		1/4	5,005.12	1/4	4,617.83	1/4	4,229.79	1/4	3,841.75	1/4	3,453.71	1/4	3,065.61	1/4	2,677.51
1/2		1/2		1/2		1/2	4,997.09	1/2	4,609.75	1/2	4,221.70	1/2	3,833.66	1/2	3,445.62	1/2	3,057.53	1/2	2,669.43
3/4		3/4		3/4		3/4	4,989.05	3/4	4,601.66	3/4	4,213.62	3/4	3,825.58	3/4	3,437.54	3/4	3,049.44	3/4	2,661.34
6		6		6		6	4,981.01	6	4,593.58	6	4,205.54	6	3,817.49	6	3,429.45	6	3,041.35	6	2,653.26
1/4		1/4		1/4		1/4	4,972.97	1/4	4,585.49	1/4	4,197.45	1/4	3,809.41	1/4	3,421.37	1/4	3,033.27	1/4	2,645.17
1/2		1/2		1/2	5,342.62	1/2	4,964.94	1/2	4,577.41	1/2	4,189.37	1/2	3,801.33	1/2	3,413.28	1/2	3,025.18	1/2	2,637.08
3/4		3/4		3/4	5,336.50	3/4	4,956.90	3/4	4,569.32	3/4	4,181.28	3/4	3,793.24	3/4	3,405.20	3/4	3,017.10	3/4	2,629.00
7		7		7	5,330.39	7	4,948.86	7	4,561.24	7	4,173.20	7	3,785.16	7	3,397.11	7	3,009.01	7	2,620.91
1/4		1/4		1/4	5,324.28	1/4	4,940.82	1/4	4,553.16	1/4	4,165.11	1/4	3,777.07	1/4	3,389.03	1/4	3,000.93	1/4	2,612.83
1/2		1/2		1/2	5,316.74	1/2	4,932.79	1/2	4,545.07	1/2	4,157.03	1/2	3,768.99	1/2	3,380.94	1/2	2,992.84	1/2	2,604.74
3/4		3/4		3/4	5,309.20	3/4	4,924.75	3/4	4,536.99	3/4	4,148.95	3/4	3,760.90	3/4	3,372.86	3/4	2,984.76	3/4	2,596.66
8		8		8	5,301.66	8	4,916.71	8	4,528.90	8	4,140.86	8	3,752.82	8	3,364.77	8	2,976.67	8	2,588.57
1/4		1/4		1/4	5,294.13	1/4	4,908.67	1/4	4,520.82	1/4	4,132.78	1/4	3,744.74	1/4	3,356.69	1/4	2,968.59	1/4	2,580.49
1/2		1/2		1/2	5,286.17	1/2	4,900.64	1/2	4,512.74	1/2	4,124.69	1/2	3,736.65	1/2	3,348.60	1/2	2,960.50	1/2	2,572.40
3/4		3/4		3/4	5,278.22	3/4	4,892.60	3/4	4,504.65	3/4	4,116.61	3/4	3,728.57	3/4	3,340.51	3/4	2,952.42	3/4	2,564.32
9		9		9	5,270.27	9	4,884.56	9	4,496.57	9	4,108.53	9	3,720.48	9	3,332.43	9	2,944.33	9	2,556.23
1/4		1/4		1/4	5,262.32	1/4	4,876.52	1/4	4,488.48	1/4	4,100.44	1/4	3,712.40	1/4	3,324.34	1/4	2,936.24	1/4	2,548.15
1/2		1/2		1/2	5,254.28	1/2	4,868.44	1/2	4,480.40	1/2	4,092.36	1/2	3,704.32	1/2	3,316.26	1/2	2,928.16	1/2	2,540.06
3/4		3/4		3/4	5,246.25	3/4	4,860.36	3/4	4,472.31	3/4	4,084.27	3/4	3,696.23	3/4	3,308.17	3/4	2,920.07	3/4	2,531.97
10		10		10	5,238.21	10	4,852.27	10	4,464.23	10	4,076.19	10	3,688.15	10	3,300.09	10	2,911.99	10	2,523.89
1/4		1/4		1/4	5,230.17	1/4	4,844.19	1/4	4,456.15	1/4	4,068.10	1/4	3,680.06	1/4	3,292.00	1/4	2,903.90	1/4	2,515.80
1/2		1/2		1/2	5,222.13	1/2	4,836.10	1/2	4,448.06	1/2	4,060.02	1/2	3,671.98	1/2	3,283.92	1/2	2,895.82	1/2	2,507.72
3/4		3/4		3/4	5,214.10	3/4	4,828.02	3/4	4,439.98	3/4	4,051.94	3/4	3,663.89	3/4	3,275.83	3/4	2,887.73	3/4	2,499.63
11		11		11	5,206.06	11	4,819.94	11	4,431.89	11	4,043.85	11	3,655.81	11	3,267.75	11	2,879.65	11	2,491.55
1/4		1/4		1/4	5,198.02	1/4	4,811.85	1/4	4,423.81	1/4	4,035.77	1/4	3,647.73	1/4	3,259.66	1/4	2,871.56	1/4	2,483.46
1/2		1/2		1/2	5,189.98	1/2	4,803.77	1/2	4,415.73	1/2	4,027.68	1/2	3,639.64	1/2	3,251.58	1/2	2,863.48	1/2	2,475.38
3/4		3/4		3/4	5,181.95	3/4	4,795.68	3/4	4,407.64	3/4	4,019.60	3/4	3,631.56	3/4	3,243.49	3/4	2,855.39	3/4	2,467.29

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 43'-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 375"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,459.21	0	2,071.11	0	1,683.01	0	1,294.91	0	906.81	0	533.66	0	145.90	0		0		0	
1/4	2,451.12	1/4	2,063.02	1/4	1,674.92	1/4	1,286.82	1/4	898.72	1/4	525.89	1/4	137.82	1/4	1/4	1/4		1/4	1/4
1/2	2,443.04	1/2	2,054.94	1/2	1,666.84	1/2	1,278.74	1/2	890.94	1/2	517.80	1/2	129.73	1/2	1/2	1/2		1/2	1/2
3/4	2,434.95	3/4	2,046.85	3/4	1,658.75	3/4	1,270.65	3/4	883.16	3/4	509.72	3/4	121.65	3/4	3/4	3/4		3/4	3/4
1	2,426.86	1	2,038.77	1	1,650.67	1	1,262.57	1	875.38	1	501.63	1	113.56	1	1	1		1	1
1/4	2,418.78	1/4	2,030.68	1/4	1,642.58	1/4	1,254.48	1/4	867.60	1/4	493.55	1/4	105.48	1/4	1/4	1/4		1/4	1/4
1/2	2,410.69	1/2	2,022.59	1/2	1,634.50	1/2	1,246.40	1/2	859.82	1/2	485.46	1/2	97.39	1/2	1/2	1/2		1/2	1/2
3/4	2,402.61	3/4	2,014.51	3/4	1,626.41	3/4	1,238.31	3/4	852.04	3/4	477.38	3/4	89.31	3/4	3/4	3/4		3/4	3/4
2	2,394.52	2	2,006.42	2	1,618.32	2	1,230.23	2	844.26	2	469.29	2	81.22	2	2	2		2	2
1/4	2,386.44	1/4	1,998.34	1/4	1,610.24	1/4	1,222.14	1/4	836.48	1/4	461.21	1/4	73.14	1/4	1/4	1/4		1/4	1/4
1/2	2,378.35	1/2	1,990.25	1/2	1,602.15	1/2	1,214.05	1/2	828.71	1/2	453.12	1/2	65.34	1/2	1/2	1/2		1/2	1/2
3/4	2,370.27	3/4	1,982.17	3/4	1,594.07	3/4	1,205.97	3/4	820.94	3/4	445.04	3/4	57.55	3/4	3/4	3/4		3/4	3/4
3	2,362.18	3	1,974.08	3	1,585.98	3	1,197.88	3	813.16	3	436.95	3	49.75	3	3	3		3	3
1/4	2,354.10	1/4	1,966.00	1/4	1,577.90	1/4	1,189.80	1/4	805.39	1/4	428.87	1/4	41.95	1/4	1/4	1/4		1/4	1/4
1/2	2,346.01	1/2	1,957.91	1/2	1,569.81	1/2	1,181.71	1/2	797.62	1/2	420.78	1/2	36.18	1/2	1/2	1/2		1/2	1/2
3/4	2,337.93	3/4	1,949.83	3/4	1,561.73	3/4	1,173.63	3/4	789.86	3/4	412.70	3/4	30.41	3/4	3/4	3/4		3/4	3/4
4	2,329.84	4	1,941.74	4	1,553.64	4	1,165.54	4	782.10	4	404.61	4	24.63	4	4	4		4	4
1/4	2,321.75	1/4	1,933.66	1/4	1,545.56	1/4	1,157.46	1/4	774.33	1/4	396.53	1/4	18.86	1/4	1/4	1/4		1/4	1/4
1/2	2,313.67	1/2	1,925.57	1/2	1,537.47	1/2	1,149.37	1/2	766.57	1/2	388.44	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,305.58	3/4	1,917.48	3/4	1,529.39	3/4	1,141.29	3/4	758.80	3/4	380.36	3/4		3/4	3/4	3/4		3/4	3/4
5	2,297.50	5	1,909.40	5	1,521.30	5	1,133.20	5	751.04	5	372.28	5		5	5	5		5	5
1/4	2,289.41	1/4	1,901.31	1/4	1,513.21	1/4	1,125.12	1/4	743.28	1/4	364.19	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,281.33	1/2	1,893.23	1/2	1,505.13	1/2	1,117.03	1/2	735.51	1/2	356.11	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,273.24	3/4	1,885.14	3/4	1,497.04	3/4	1,108.94	3/4	727.75	3/4	348.02	3/4		3/4	3/4	3/4		3/4	3/4
6	2,265.16	6	1,877.06	6	1,488.96	6	1,100.86	6	719.98	6	339.94	6		6	6	6		6	6
1/4	2,257.07	1/4	1,868.97	1/4	1,480.87	1/4	1,092.77	1/4	712.22	1/4	331.85	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,248.99	1/2	1,860.89	1/2	1,472.79	1/2	1,084.69	1/2	704.46	1/2	323.77	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,240.90	3/4	1,852.80	3/4	1,464.70	3/4	1,076.60	3/4	696.70	3/4	315.68	3/4		3/4	3/4	3/4		3/4	3/4
7	2,232.81	7	1,844.72	7	1,456.62	7	1,068.52	7	688.94	7	307.60	7		7	7	7		7	7
1/4	2,224.73	1/4	1,836.63	1/4	1,448.53	1/4	1,060.43	1/4	681.18	1/4	299.51	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,216.64	1/2	1,828.54	1/2	1,440.45	1/2	1,052.35	1/2	673.42	1/2	291.43	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,208.56	3/4	1,820.46	3/4	1,432.36	3/4	1,044.26	3/4	665.66	3/4	283.34	3/4		3/4	3/4	3/4		3/4	3/4
8	2,200.47	8	1,812.37	8	1,424.27	8	1,036.18	8	657.90	8	275.26	8		8	8	8		8	8
1/4	2,192.39	1/4	1,804.29	1/4	1,416.19	1/4	1,028.09	1/4	650.15	1/4	267.17	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,184.30	1/2	1,796.20	1/2	1,408.10	1/2	1,020.00	1/2	642.38	1/2	259.09	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,176.22	3/4	1,788.12	3/4	1,400.02	3/4	1,011.92	3/4	634.62	3/4	251.00	3/4		3/4	3/4	3/4		3/4	3/4
9	2,168.13	9	1,780.03	9	1,391.93	9	1,003.83	9	626.85	9	242.92	9		9	9	9		9	9
1/4	2,160.05	1/4	1,771.95	1/4	1,383.85	1/4	995.75	1/4	619.09	1/4	234.83	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,151.96	1/2	1,763.86	1/2	1,375.76	1/2	987.66	1/2	611.33	1/2	226.75	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,143.88	3/4	1,755.78	3/4	1,367.68	3/4	979.58	3/4	603.56	3/4	218.66	3/4		3/4	3/4	3/4		3/4	3/4
10	2,135.79	10	1,747.69	10	1,359.59	10	971.49	10	595.80	10	210.58	10		10	10	10		10	10
1/4	2,127.70	1/4	1,739.61	1/4	1,351.51	1/4	963.41	1/4	588.03	1/4	202.49	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,119.62	1/2	1,731.52	1/2	1,343.42	1/2	955.32	1/2	580.27	1/2	194.41	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,111.53	3/4	1,723.43	3/4	1,335.34	3/4	947.24	3/4	572.51	3/4	186.32	3/4		3/4	3/4	3/4		3/4	3/4
11	2,103.45	11	1,715.35	11	1,327.25	11	939.15	11	564.74	11	178.24	11		11	11	11		11	11
1/4	2,095.36	1/4	1,707.26	1/4	1,319.16	1/4	931.07	1/4	556.98	1/4	170.16	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,087.28	1/2	1,699.18	1/2	1,311.08	1/2	922.98	1/2	549.21	1/2	162.07	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,079.19	3/4	1,691.09	3/4	1,302.99	3/4	914.89	3/4	541.43	3/4	153.99	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2012 CL - SW  
CALCULATED: 03/24/2012 CL  
PRINTED: 03/25/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2012

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



# BARGE "EMS 375"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	
					5,207.21				4,820.84				4,044.39				3,267.92			2,879.65
1/4		1/4		1/4		1/4	5,199.17	1/4	4,812.75	1/4	4,424.53	1/4	4,036.30	1/4	3,648.08	1/4	3,259.83	1/4	2,871.56	
1/2		1/2		1/2		1/2	5,191.13	1/2	4,804.66	1/2	4,416.44	1/2	4,028.21	1/2	3,639.99	1/2	3,251.74	1/2	2,863.47	
3/4		3/4		3/4		3/4	5,183.09	3/4	4,796.57	3/4	4,408.35	3/4	4,020.13	3/4	3,631.90	3/4	3,243.65	3/4	2,855.38	
1		1		1		1	5,175.05	1	4,788.49	1	4,400.26	1	4,012.04	1	3,623.81	1	3,235.56	1	2,847.29	
1/4		1/4		1/4		1/4	5,167.01	1/4	4,780.40	1/4	4,392.17	1/4	4,003.95	1/4	3,615.73	1/4	3,227.48	1/4	2,839.20	
1/2		1/2		1/2		1/2	5,158.97	1/2	4,772.31	1/2	4,384.09	1/2	3,995.86	1/2	3,607.64	1/2	3,219.39	1/2	2,831.11	
3/4		3/4		3/4		3/4	5,150.93	3/4	4,764.22	3/4	4,376.00	3/4	3,987.77	3/4	3,599.55	3/4	3,211.30	3/4	2,823.03	
2		2		2		2	5,142.88	2	4,756.13	2	4,367.91	2	3,979.69	2	3,591.46	2	3,203.21	2	2,814.94	
1/4		1/4		1/4		1/4	5,134.84	1/4	4,748.05	1/4	4,359.82	1/4	3,971.60	1/4	3,583.37	1/4	3,195.12	1/4	2,806.85	
1/2		1/2		1/2		1/2	5,126.80	1/2	4,739.96	1/2	4,351.73	1/2	3,963.51	1/2	3,575.29	1/2	3,187.03	1/2	2,798.76	
3/4		3/4		3/4		3/4	5,118.76	3/4	4,731.87	3/4	4,343.65	3/4	3,955.42	3/4	3,567.20	3/4	3,178.94	3/4	2,790.67	
3		3		3		3	5,110.72	3	4,723.78	3	4,335.56	3	3,947.33	3	3,559.11	3	3,170.85	3	2,782.58	
1/4		1/4		1/4		1/4	5,102.68	1/4	4,715.69	1/4	4,327.47	1/4	3,939.25	1/4	3,551.02	1/4	3,162.76	1/4	2,774.49	
1/2		1/2		1/2		1/2	5,094.64	1/2	4,707.61	1/2	4,319.38	1/2	3,931.16	1/2	3,542.93	1/2	3,154.67	1/2	2,766.40	
3/4		3/4		3/4		3/4	5,086.60	3/4	4,699.52	3/4	4,311.29	3/4	3,923.07	3/4	3,534.85	3/4	3,146.59	3/4	2,758.31	
4		4		4		4	5,078.56	4	4,691.43	4	4,303.21	4	3,914.98	4	3,526.76	4	3,138.50	4	2,750.22	
1/4		1/4		1/4		1/4	5,070.52	1/4	4,683.34	1/4	4,295.12	1/4	3,906.89	1/4	3,518.67	1/4	3,130.41	1/4	2,742.14	
1/2		1/2		1/2		1/2	5,062.48	1/2	4,675.25	1/2	4,287.03	1/2	3,898.81	1/2	3,510.58	1/2	3,122.32	1/2	2,734.05	
3/4		3/4		3/4		3/4	5,054.44	3/4	4,667.17	3/4	4,278.94	3/4	3,890.72	3/4	3,502.49	3/4	3,114.23	3/4	2,725.96	
5		5		5		5	5,046.40	5	4,659.08	5	4,270.85	5	3,882.63	5	3,494.41	5	3,106.14	5	2,717.87	
1/4		1/4		1/4		1/4	5,038.36	1/4	4,650.99	1/4	4,262.77	1/4	3,874.54	1/4	3,486.32	1/4	3,098.05	1/4	2,709.78	
1/2		1/2		1/2		1/2	5,030.32	1/2	4,642.90	1/2	4,254.68	1/2	3,866.45	1/2	3,478.23	1/2	3,089.96	1/2	2,701.69	
3/4		3/4		3/4		3/4	5,022.28	3/4	4,634.81	3/4	4,246.59	3/4	3,858.37	3/4	3,470.14	3/4	3,081.87	3/4	2,693.60	
6		6		6		6	5,014.24	6	4,626.73	6	4,238.50	6	3,850.28	6	3,462.05	6	3,073.78	6	2,685.51	
1/4		1/4		1/4		1/4	5,006.20	1/4	4,618.64	1/4	4,230.41	1/4	3,842.19	1/4	3,453.97	1/4	3,065.70	1/4	2,677.42	
1/2		1/2		1/2		1/2	4,998.16	1/2	4,610.55	1/2	4,222.33	1/2	3,834.10	1/2	3,445.88	1/2	3,057.61	1/2	2,669.33	
3/4		3/4		3/4		3/4	4,990.12	3/4	4,602.46	3/4	4,214.24	3/4	3,826.01	3/4	3,437.79	3/4	3,049.52	3/4	2,661.25	
7		7		7	5,359.91	7	4,982.07	7	4,594.37	7	4,206.15	7	3,817.93	7	3,429.70	7	3,041.43	7	2,653.16	
1/4		1/4		1/4	5,353.79	1/4	4,974.03	1/4	4,586.29	1/4	4,198.06	1/4	3,809.84	1/4	3,421.61	1/4	3,033.34	1/4	2,645.07	
1/2		1/2		1/2	5,347.68	1/2	4,965.99	1/2	4,578.20	1/2	4,189.97	1/2	3,801.75	1/2	3,413.52	1/2	3,025.25	1/2	2,636.98	
3/4		3/4		3/4	5,341.56	3/4	4,957.95	3/4	4,570.11	3/4	4,181.89	3/4	3,793.66	3/4	3,405.43	3/4	3,017.16	3/4	2,628.89	
8		8		8	5,334.02	8	4,949.91	8	4,562.02	8	4,173.80	8	3,785.57	8	3,397.34	8	3,009.07	8	2,620.80	
1/4		1/4		1/4	5,326.48	1/4	4,941.87	1/4	4,553.93	1/4	4,165.71	1/4	3,777.49	1/4	3,389.26	1/4	3,000.98	1/4	2,612.71	
1/2		1/2		1/2	5,318.93	1/2	4,933.83	1/2	4,545.85	1/2	4,157.62	1/2	3,769.40	1/2	3,381.17	1/2	2,992.89	1/2	2,604.62	
3/4		3/4		3/4	5,311.39	3/4	4,925.79	3/4	4,537.76	3/4	4,149.53	3/4	3,761.31	3/4	3,373.08	3/4	2,984.81	3/4	2,596.53	
9		9		9	5,303.44	9	4,917.75	9	4,529.67	9	4,141.45	9	3,753.22	9	3,364.99	9	2,976.72	9	2,588.44	
1/4		1/4		1/4	5,295.48	1/4	4,909.71	1/4	4,521.58	1/4	4,133.36	1/4	3,745.13	1/4	3,356.90	1/4	2,968.63	1/4	2,580.36	
1/2		1/2		1/2	5,287.53	1/2	4,901.67	1/2	4,513.49	1/2	4,125.27	1/2	3,737.05	1/2	3,348.81	1/2	2,960.54	1/2	2,572.27	
3/4		3/4		3/4	5,279.57	3/4	4,893.63	3/4	4,505.41	3/4	4,117.18	3/4	3,728.96	3/4	3,340.72	3/4	2,952.45	3/4	2,564.18	
10		10		10	5,271.53	10	4,885.54	10	4,497.32	10	4,109.09	10	3,720.87	10	3,332.63	10	2,944.36	10	2,556.09	
1/4		1/4		1/4	5,263.49	1/4	4,877.45	1/4	4,489.23	1/4	4,101.01	1/4	3,712.78	1/4	3,324.54	1/4	2,936.27	1/4	2,548.00	
1/2		1/2		1/2	5,255.45	1/2	4,869.37	1/2	4,481.14	1/2	4,092.92	1/2	3,704.69	1/2	3,316.45	1/2	2,928.18	1/2	2,539.91	
3/4		3/4		3/4	5,247.41	3/4	4,861.28	3/4	4,473.05	3/4	4,084.83	3/4	3,696.61	3/4	3,308.37	3/4	2,920.09	3/4	2,531.82	
11		11		11	5,239.37	11	4,853.19	11	4,464.97	11	4,076.74	11	3,688.52	11	3,300.28	11	2,912.00	11	2,523.73	
1/4		1/4		1/4	5,231.33	1/4	4,845.10	1/4	4,456.88	1/4	4,068.65	1/4	3,680.43	1/4	3,292.19	1/4	2,903.92	1/4	2,515.64	
1/2		1/2		1/2	5,223.29	1/2	4,837.01	1/2	4,448.79	1/2	4,060.57	1/2	3,672.34	1/2	3,284.10	1/2	2,895.83	1/2	2,507.55	
3/4		3/4		3/4	5,215.25	3/4	4,828.93	3/4	4,440.70	3/4	4,052.48	3/4	3,664.25	3/4	3,276.01	3/4	2,887.74	3/4	2,499.47	

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 43'-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 375"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,491.38	0	2,103.10	0	1,714.83	0	1,326.56	0	938.29	0	550.39	0	162.14	0		0		0	
1/4	2,483.29	1/4	2,095.02	1/4	1,706.74	1/4	1,318.47	1/4	930.20	1/4	542.30	1/4	154.05	1/4	1/4		1/4		1/4
1/2	2,475.20	1/2	2,086.93	1/2	1,698.65	1/2	1,310.38	1/2	922.11	1/2	534.21	1/2	145.97	1/2	1/2		1/2		1/2
3/4	2,467.11	3/4	2,078.84	3/4	1,690.57	3/4	1,302.29	3/4	914.02	3/4	526.12	3/4	137.88	3/4	3/4		3/4		3/4
1	2,459.02	1	2,070.75	1	1,682.48	1	1,294.20	1	905.93	1	518.03	1	129.79	1	1		1		1
1/4	2,450.93	1/4	2,062.66	1/4	1,674.39	1/4	1,286.12	1/4	897.84	1/4	509.94	1/4	121.70	1/4	1/4		1/4		1/4
1/2	2,442.84	1/2	2,054.57	1/2	1,666.30	1/2	1,278.03	1/2	889.75	1/2	501.86	1/2	113.61	1/2	1/2		1/2		1/2
3/4	2,434.75	3/4	2,046.48	3/4	1,658.21	3/4	1,269.94	3/4	881.67	3/4	493.77	3/4	105.52	3/4	3/4		3/4		3/4
2	2,426.66	2	2,038.39	2	1,650.12	2	1,261.85	2	873.58	2	485.68	2	97.44	2	2		2		2
1/4	2,418.58	1/4	2,030.30	1/4	1,642.03	1/4	1,253.76	1/4	865.49	1/4	477.59	1/4	89.35	1/4	1/4		1/4		1/4
1/2	2,410.49	1/2	2,022.21	1/2	1,633.94	1/2	1,245.67	1/2	857.40	1/2	469.50	1/2	81.26	1/2	1/2		1/2		1/2
3/4	2,402.40	3/4	2,014.13	3/4	1,625.85	3/4	1,237.58	3/4	849.31	3/4	461.41	3/4	73.17	3/4	3/4		3/4		3/4
3	2,394.31	3	2,006.04	3	1,617.76	3	1,229.49	3	841.22	3	453.33	3	65.37	3	3		3		3
1/4	2,386.22	1/4	1,997.95	1/4	1,609.68	1/4	1,221.40	1/4	833.13	1/4	445.24	1/4	57.57	1/4	1/4		1/4		1/4
1/2	2,378.13	1/2	1,989.86	1/2	1,601.59	1/2	1,213.31	1/2	825.04	1/2	437.15	1/2	49.77	1/2	1/2		1/2		1/2
3/4	2,370.04	3/4	1,981.77	3/4	1,593.50	3/4	1,205.23	3/4	816.95	3/4	429.06	3/4	41.97	3/4	3/4		3/4		3/4
4	2,361.95	4	1,973.68	4	1,585.41	4	1,197.14	4	808.87	4	420.97	4	36.20	4	4		4		4
1/4	2,353.86	1/4	1,965.59	1/4	1,577.32	1/4	1,189.05	1/4	800.80	1/4	412.88	1/4	30.42	1/4	1/4		1/4		1/4
1/2	2,345.77	1/2	1,957.50	1/2	1,569.23	1/2	1,180.96	1/2	792.72	1/2	404.79	1/2	24.64	1/2	1/2		1/2		1/2
3/4	2,337.69	3/4	1,949.41	3/4	1,561.14	3/4	1,172.87	3/4	784.64	3/4	396.71	3/4	18.87	3/4	3/4		3/4		3/4
5	2,329.60	5	1,941.32	5	1,553.05	5	1,164.78	5	776.56	5	388.62	5		5	5		5		5
1/4	2,321.51	1/4	1,933.24	1/4	1,544.96	1/4	1,156.69	1/4	768.48	1/4	380.53	1/4		1/4	1/4		1/4		1/4
1/2	2,313.42	1/2	1,925.15	1/2	1,536.87	1/2	1,148.60	1/2	760.40	1/2	372.44	1/2		1/2	1/2		1/2		1/2
3/4	2,305.33	3/4	1,917.06	3/4	1,528.79	3/4	1,140.51	3/4	752.32	3/4	364.35	3/4		3/4	3/4		3/4		3/4
6	2,297.24	6	1,908.97	6	1,520.70	6	1,132.42	6	744.25	6	356.26	6		6	6		6		6
1/4	2,289.15	1/4	1,900.88	1/4	1,512.61	1/4	1,124.34	1/4	736.17	1/4	348.18	1/4		1/4	1/4		1/4		1/4
1/2	2,281.06	1/2	1,892.79	1/2	1,504.52	1/2	1,116.25	1/2	728.09	1/2	340.09	1/2		1/2	1/2		1/2		1/2
3/4	2,272.97	3/4	1,884.70	3/4	1,496.43	3/4	1,108.16	3/4	720.01	3/4	332.00	3/4		3/4	3/4		3/4		3/4
7	2,264.88	7	1,876.61	7	1,488.34	7	1,100.07	7	711.94	7	323.91	7		7	7		7		7
1/4	2,256.80	1/4	1,868.52	1/4	1,480.25	1/4	1,091.98	1/4	703.86	1/4	315.82	1/4		1/4	1/4		1/4		1/4
1/2	2,248.71	1/2	1,860.43	1/2	1,472.16	1/2	1,083.89	1/2	695.79	1/2	307.73	1/2		1/2	1/2		1/2		1/2
3/4	2,240.62	3/4	1,852.35	3/4	1,464.07	3/4	1,075.80	3/4	687.71	3/4	299.65	3/4		3/4	3/4		3/4		3/4
8	2,232.53	8	1,844.26	8	1,455.98	8	1,067.71	8	679.64	8	291.56	8		8	8		8		8
1/4	2,224.44	1/4	1,836.17	1/4	1,447.90	1/4	1,059.62	1/4	671.56	1/4	283.47	1/4		1/4	1/4		1/4		1/4
1/2	2,216.35	1/2	1,828.08	1/2	1,439.81	1/2	1,051.53	1/2	663.49	1/2	275.38	1/2		1/2	1/2		1/2		1/2
3/4	2,208.26	3/4	1,819.99	3/4	1,431.72	3/4	1,043.45	3/4	655.42	3/4	267.29	3/4		3/4	3/4		3/4		3/4
9	2,200.17	9	1,811.90	9	1,423.63	9	1,035.36	9	647.34	9	259.20	9		9	9		9		9
1/4	2,192.08	1/4	1,803.81	1/4	1,415.54	1/4	1,027.27	1/4	639.26	1/4	251.12	1/4		1/4	1/4		1/4		1/4
1/2	2,183.99	1/2	1,795.72	1/2	1,407.45	1/2	1,019.18	1/2	631.18	1/2	243.03	1/2		1/2	1/2		1/2		1/2
3/4	2,175.91	3/4	1,787.63	3/4	1,399.36	3/4	1,011.09	3/4	623.10	3/4	234.94	3/4		3/4	3/4		3/4		3/4
10	2,167.82	10	1,779.54	10	1,391.27	10	1,003.00	10	615.02	10	226.85	10		10	10		10		10
1/4	2,159.73	1/4	1,771.46	1/4	1,383.18	1/4	994.91	1/4	606.95	1/4	218.76	1/4		1/4	1/4		1/4		1/4
1/2	2,151.64	1/2	1,763.37	1/2	1,375.09	1/2	986.82	1/2	598.87	1/2	210.67	1/2		1/2	1/2		1/2		1/2
3/4	2,143.55	3/4	1,755.28	3/4	1,367.01	3/4	978.73	3/4	590.79	3/4	202.58	3/4		3/4	3/4		3/4		3/4
11	2,135.46	11	1,747.19	11	1,358.92	11	970.64	11	582.71	11	194.50	11		11	11		11		11
1/4	2,127.37	1/4	1,739.10	1/4	1,350.83	1/4	962.56	1/4	574.63	1/4	186.41	1/4		1/4	1/4		1/4		1/4
1/2	2,119.28	1/2	1,731.01	1/2	1,342.74	1/2	954.47	1/2	566.55	1/2	178.32	1/2		1/2	1/2		1/2		1/2
3/4	2,111.19	3/4	1,722.92	3/4	1,334.65	3/4	946.38	3/4	558.47	3/4	170.23	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2012 CL - SW  
CALCULATED: 03/24/2012 CL  
PRINTED: 03/25/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2012

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





# BARGE "EMS 375"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,600.46	0	4,295.83	0	3,989.80	0	3,683.78	0	3,375.47	0	3,014.80	0	2,654.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,594.12	1/4	4,289.45	1/4	3,983.43	1/4	3,677.40	1/4	3,367.95	1/4	3,007.29	1/4	2,646.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,587.78	1/2	4,283.07	1/2	3,977.05	1/2	3,671.03	1/2	3,360.43	1/2	2,999.78	1/2	2,638.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,581.45	3/4	4,276.70	3/4	3,970.68	3/4	3,664.65	3/4	3,352.91	3/4	2,992.27	3/4	2,631.48
1		1		1		1	4,575.11	1	4,270.32	1	3,964.30	1	3,658.28	1	3,345.40	1	2,984.76	1	2,623.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,568.77	1/4	4,263.95	1/4	3,957.92	1/4	3,651.90	1/4	3,337.88	1/4	2,977.25	1/4	2,616.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,562.43	1/2	4,257.57	1/2	3,951.55	1/2	3,645.52	1/2	3,330.36	1/2	2,969.73	1/2	2,608.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,556.09	3/4	4,251.20	3/4	3,945.17	3/4	3,639.15	3/4	3,322.84	3/4	2,962.22	3/4	2,601.40
2		2		2		2	4,549.75	2	4,244.82	2	3,938.80	2	3,632.77	2	3,315.32	2	2,954.71	2	2,593.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,543.41	1/4	4,238.45	1/4	3,932.42	1/4	3,626.40	1/4	3,307.81	1/4	2,947.20	1/4	2,586.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,537.07	1/2	4,232.07	1/2	3,926.05	1/2	3,620.02	1/2	3,300.29	1/2	2,939.69	1/2	2,578.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,530.73	3/4	4,225.70	3/4	3,919.67	3/4	3,613.65	3/4	3,292.77	3/4	2,932.18	3/4	2,571.33
3		3		3		3	4,524.39	3	4,219.32	3	3,913.30	3	3,607.27	3	3,285.25	3	2,924.67	3	2,563.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,518.06	1/4	4,212.94	1/4	3,906.92	1/4	3,600.90	1/4	3,277.73	1/4	2,917.15	1/4	2,556.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,511.72	1/2	4,206.57	1/2	3,900.54	1/2	3,594.52	1/2	3,270.22	1/2	2,909.64	1/2	2,548.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,505.38	3/4	4,200.19	3/4	3,894.17	3/4	3,588.14	3/4	3,262.70	3/4	2,902.13	3/4	2,541.25
4		4		4		4	4,499.04	4	4,193.82	4	3,887.79	4	3,581.77	4	3,255.18	4	2,894.62	4	2,533.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,492.70	1/4	4,187.44	1/4	3,881.42	1/4	3,575.39	1/4	3,247.66	1/4	2,887.11	1/4	2,526.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,486.36	1/2	4,181.07	1/2	3,875.04	1/2	3,569.02	1/2	3,240.14	1/2	2,879.60	1/2	2,518.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,480.02	3/4	4,174.69	3/4	3,868.67	3/4	3,562.64	3/4	3,232.63	3/4	2,872.08	3/4	2,511.18
5		5		5		5	4,473.68	5	4,168.32	5	3,862.29	5	3,556.27	5	3,225.12	5	2,864.56	5	2,503.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,467.34	1/4	4,161.94	1/4	3,855.92	1/4	3,549.89	1/4	3,217.61	1/4	2,857.04	1/4	2,496.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,461.00	1/2	4,155.56	1/2	3,849.54	1/2	3,543.52	1/2	3,210.10	1/2	2,849.52	1/2	2,488.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,454.67	3/4	4,149.19	3/4	3,843.16	3/4	3,537.14	3/4	3,202.59	3/4	2,842.00	3/4	2,481.10
6		6		6		6	4,448.33	6	4,142.81	6	3,836.79	6	3,530.77	6	3,195.08	6	2,834.48	6	2,473.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,441.99	1/4	4,136.44	1/4	3,830.41	1/4	3,524.39	1/4	3,187.57	1/4	2,826.96	1/4	2,466.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,435.65	1/2	4,130.06	1/2	3,824.04	1/2	3,518.01	1/2	3,180.06	1/2	2,819.45	1/2	2,458.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,429.31	3/4	4,123.69	3/4	3,817.66	3/4	3,511.64	3/4	3,172.54	3/4	2,811.93	3/4	2,451.02
7		7		7		7	4,422.97	7	4,117.31	7	3,811.29	7	3,505.26	7	3,165.03	7	2,804.41	7	2,443.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,416.63	1/4	4,110.94	1/4	3,804.91	1/4	3,498.89	1/4	3,157.52	1/4	2,796.89	1/4	2,435.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,410.29	1/2	4,104.56	1/2	3,798.54	1/2	3,492.51	1/2	3,150.01	1/2	2,789.37	1/2	2,428.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,403.95	3/4	4,098.19	3/4	3,792.16	3/4	3,486.14	3/4	3,142.50	3/4	2,781.85	3/4	2,420.95
8		8		8		8	4,407.46	8	4,397.61	8	4,091.81	8	3,785.79	8	3,479.76	8	3,134.99	8	2,774.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,400.45	1/4	4,391.28	1/4	4,085.43	1/4	3,779.41	1/4	3,473.39	1/4	3,127.48	1/4	2,766.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,693.43	1/2	4,384.94	1/2	4,079.06	1/2	3,773.03	1/2	3,467.01	1/2	3,119.96	1/2	2,759.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,686.04	3/4	4,378.60	3/4	4,072.68	3/4	3,766.66	3/4	3,460.63	3/4	3,112.45	3/4	2,751.78
9		9		9		9	4,678.64	9	4,372.26	9	4,066.31	9	3,760.28	9	3,454.26	9	3,104.94	9	2,744.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,671.25	1/4	4,365.92	1/4	4,059.93	1/4	3,753.91	1/4	3,447.88	1/4	3,097.43	1/4	2,736.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,663.85	1/2	4,359.58	1/2	4,053.56	1/2	3,747.53	1/2	3,441.51	1/2	3,089.92	1/2	2,729.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,657.51	3/4	4,353.21	3/4	4,047.18	3/4	3,741.16	3/4	3,435.13	3/4	3,082.41	3/4	2,721.70
10		10		10		10	4,651.17	10	4,346.83	10	4,040.81	10	3,734.78	10	3,428.76	10	3,074.90	10	2,714.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,644.84	1/4	4,340.45	1/4	4,034.43	1/4	3,728.41	1/4	3,422.38	1/4	3,067.38	1/4	2,706.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,638.50	1/2	4,334.08	1/2	4,028.05	1/2	3,722.03	1/2	3,416.01	1/2	3,059.87	1/2	2,699.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,632.16	3/4	4,327.70	3/4	4,021.68	3/4	3,715.65	3/4	3,409.63	3/4	3,052.36	3/4	2,691.63
11		11		11		11	4,625.82	11	4,321.33	11	4,015.30	11	3,709.28	11	3,403.26	11	3,044.85	11	2,684.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,619.48	1/4	4,314.95	1/4	4,008.93	1/4	3,702.90	1/4	3,396.88	1/4	3,037.34	1/4	2,676.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,613.14	1/2	4,308.58	1/2	4,002.55	1/2	3,696.53	1/2	3,390.50	1/2	3,029.83	1/2	2,669.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,606.80	3/4	4,302.20	3/4	3,996.18	3/4	3,690.15	3/4	3,382.99	3/4	3,022.31	3/4	2,661.55

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 52'-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 375"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,293.13		1,932.69		1,572.49		1,211.75		851.20		503.63		143.25								
1/4	2,285.61	1/4	1,925.19	1/4	1,564.98	1/4	1,204.23	1/4	843.70	1/4	496.39	1/4	135.73	1/4		1/4		1/4			
1/2	2,278.09	1/2	1,917.70	1/2	1,557.46	1/2	1,196.72	1/2	836.19	1/2	489.16	1/2	128.21	1/2		1/2		1/2			
3/4	2,270.57	3/4	1,910.20	3/4	1,549.95	3/4	1,189.20	3/4	828.96	3/4	481.64	3/4	120.69	3/4		3/4		3/4			
1	2,263.05	1	1,902.70	1	1,542.43	1	1,181.69	1	821.73	1	474.12	1	113.17	1		1		1			
1/4	2,255.54	1/4	1,895.21	1/4	1,534.92	1/4	1,174.17	1/4	814.50	1/4	466.60	1/4	105.65	1/4		1/4		1/4			
1/2	2,248.02	1/2	1,887.71	1/2	1,527.40	1/2	1,166.66	1/2	807.27	1/2	459.08	1/2	98.13	1/2		1/2		1/2			
3/4	2,240.50	3/4	1,880.22	3/4	1,519.89	3/4	1,159.14	3/4	800.05	3/4	451.56	3/4	90.61	3/4		3/4		3/4			
2	2,232.98	2	1,872.72	2	1,512.37	2	1,151.63	2	792.82	2	444.04	2	83.09	2		2		2			
1/4	2,225.46	1/4	1,865.23	1/4	1,504.85	1/4	1,144.11	1/4	785.59	1/4	436.52	1/4	75.57	1/4		1/4		1/4			
1/2	2,217.94	1/2	1,857.73	1/2	1,497.34	1/2	1,136.59	1/2	778.36	1/2	429.00	1/2	68.05	1/2		1/2		1/2			
3/4	2,210.42	3/4	1,850.23	3/4	1,489.82	3/4	1,129.08	3/4	771.12	3/4	421.48	3/4	60.80	3/4		3/4		3/4			
3	2,202.90	3	1,842.74	3	1,482.31	3	1,121.56	3	763.88	3	413.96	3	53.55	3		3		3			
1/4	2,195.39	1/4	1,835.24	1/4	1,474.79	1/4	1,114.05	1/4	756.64	1/4	406.44	1/4	46.30	1/4		1/4		1/4			
1/2	2,187.87	1/2	1,827.75	1/2	1,467.28	1/2	1,106.53	1/2	749.40	1/2	398.92	1/2	39.05	1/2		1/2		1/2			
3/4	2,180.35	3/4	1,820.25	3/4	1,459.76	3/4	1,099.02	3/4	742.17	3/4	391.40	3/4	33.68	3/4		3/4		3/4			
4	2,172.83	4	1,812.75	4	1,452.25	4	1,091.50	4	734.94	4	383.88	4	28.31	4		4		4			
1/4	2,165.31	1/4	1,805.26	1/4	1,444.73	1/4	1,083.99	1/4	727.71	1/4	376.36	1/4	22.94	1/4		1/4		1/4			
1/2	2,157.79	1/2	1,797.76	1/2	1,437.21	1/2	1,076.47	1/2	720.48	1/2	368.84	1/2	17.57	1/2		1/2		1/2			
3/4	2,150.27	3/4	1,790.27	3/4	1,429.70	3/4	1,068.96	3/4	713.26	3/4	361.32	3/4		3/4		3/4		3/4			
5	2,142.75	5	1,782.77	5	1,422.18	5	1,061.44	5	706.03	5	353.80	5		5		5		5			
1/4	2,135.24	1/4	1,775.28	1/4	1,414.67	1/4	1,053.92	1/4	698.80	1/4	346.28	1/4		1/4		1/4		1/4			
1/2	2,127.72	1/2	1,767.78	1/2	1,407.15	1/2	1,046.41	1/2	691.57	1/2	338.76	1/2		1/2		1/2		1/2			
3/4	2,120.20	3/4	1,760.28	3/4	1,399.64	3/4	1,038.89	3/4	684.34	3/4	331.24	3/4		3/4		3/4		3/4			
6	2,112.68	6	1,752.79	6	1,392.12	6	1,031.38	6	677.11	6	323.72	6		6		6		6			
1/4	2,105.16	1/4	1,745.29	1/4	1,384.61	1/4	1,023.86	1/4	669.88	1/4	316.20	1/4		1/4		1/4		1/4			
1/2	2,097.64	1/2	1,737.80	1/2	1,377.09	1/2	1,016.35	1/2	662.65	1/2	308.68	1/2		1/2		1/2		1/2			
3/4	2,090.13	3/4	1,730.29	3/4	1,369.58	3/4	1,008.84	3/4	655.43	3/4	301.16	3/4		3/4		3/4		3/4			
7	2,082.63	7	1,722.78	7	1,362.06	7	1,001.33	7	648.20	7	293.64	7		7		7		7			
1/4	2,075.12	1/4	1,715.28	1/4	1,354.54	1/4	993.83	1/4	640.98	1/4	286.12	1/4		1/4		1/4		1/4			
1/2	2,067.61	1/2	1,707.77	1/2	1,347.03	1/2	986.32	1/2	633.75	1/2	278.60	1/2		1/2		1/2		1/2			
3/4	2,060.12	3/4	1,700.26	3/4	1,339.51	3/4	978.81	3/4	626.53	3/4	271.09	3/4		3/4		3/4		3/4			
8	2,052.62	8	1,692.74	8	1,332.00	8	971.31	8	619.31	8	263.57	8		8		8		8			
1/4	2,045.12	1/4	1,685.23	1/4	1,324.48	1/4	963.80	1/4	612.08	1/4	256.05	1/4		1/4		1/4		1/4			
1/2	2,037.63	1/2	1,677.71	1/2	1,316.97	1/2	956.29	1/2	604.86	1/2	248.53	1/2		1/2		1/2		1/2			
3/4	2,030.13	3/4	1,670.20	3/4	1,309.45	3/4	948.79	3/4	597.63	3/4	241.01	3/4		3/4		3/4		3/4			
9	2,022.64	9	1,662.68	9	1,301.94	9	941.28	9	590.40	9	233.49	9		9		9		9			
1/4	2,015.14	1/4	1,655.16	1/4	1,294.42	1/4	933.78	1/4	583.17	1/4	225.97	1/4		1/4		1/4		1/4			
1/2	2,007.65	1/2	1,647.65	1/2	1,286.90	1/2	926.27	1/2	575.94	1/2	218.45	1/2		1/2		1/2		1/2			
3/4	2,000.15	3/4	1,640.13	3/4	1,279.39	3/4	918.76	3/4	568.71	3/4	210.93	3/4		3/4		3/4		3/4			
10	1,992.65	10	1,632.62	10	1,271.87	10	911.26	10	561.48	10	203.41	10		10		10		10			
1/4	1,985.16	1/4	1,625.10	1/4	1,264.36	1/4	903.75	1/4	554.25	1/4	195.89	1/4		1/4		1/4		1/4			
1/2	1,977.66	1/2	1,617.59	1/2	1,256.84	1/2	896.24	1/2	547.02	1/2	188.37	1/2		1/2		1/2		1/2			
3/4	1,970.17	3/4	1,610.07	3/4	1,249.33	3/4	888.74	3/4	539.80	3/4	180.85	3/4		3/4		3/4		3/4			
11	1,962.67	11	1,602.56	11	1,241.81	11	881.23	11	532.57	11	173.33	11		11		11		11			
1/4	1,955.17	1/4	1,595.04	1/4	1,234.30	1/4	873.72	1/4	525.34	1/4	165.81	1/4		1/4		1/4		1/4			
1/2	1,947.68	1/2	1,587.52	1/2	1,226.78	1/2	866.22	1/2	518.11	1/2	158.29	1/2		1/2		1/2		1/2			
3/4	1,940.18	3/4	1,580.01	3/4	1,219.27	3/4	858.71	3/4	510.87	3/4	150.77	3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2012 CL - SW  
CALCULATED: 03/24/2012 CL  
PRINTED: 03/25/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2012

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



# BARGE "EMS 375"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,601.96	1/4	4,297.35	1/4	3,991.34	1/4	3,685.32	1/4	3,378.18	1/4	3,018.07	1/4	2,657.86
1/2		1/2		1/2		1/2	4,595.62	1/2	4,290.98	1/2	3,984.96	1/2	3,678.95	1/2	3,370.67	1/2	3,010.57	1/2	2,650.36
3/4		3/4		3/4		3/4	4,589.28	3/4	4,284.60	3/4	3,978.59	3/4	3,672.57	3/4	3,363.17	3/4	3,003.07	3/4	2,642.85
1	1	1	1	1	1	1	4,582.94	1	4,278.23	1	3,972.21	1	3,666.20	1	3,355.66	1	2,995.57	1	2,635.34
1/4		1/4		1/4		1/4	4,576.60	1/4	4,271.85	1/4	3,965.84	1/4	3,659.82	1/4	3,348.15	1/4	2,988.07	1/4	2,627.83
1/2		1/2		1/2		1/2	4,570.26	1/2	4,265.48	1/2	3,959.46	1/2	3,653.45	1/2	3,340.65	1/2	2,980.57	1/2	2,620.33
3/4		3/4		3/4		3/4	4,563.92	3/4	4,259.10	3/4	3,953.09	3/4	3,647.07	3/4	3,333.14	3/4	2,973.07	3/4	2,612.82
2	2	2	2	2	2	2	4,557.58	2	4,252.73	2	3,946.71	2	3,640.70	2	3,325.63	2	2,965.57	2	2,605.31
1/4		1/4		1/4		1/4	4,551.24	1/4	4,246.35	1/4	3,940.34	1/4	3,634.32	1/4	3,318.13	1/4	2,958.07	1/4	2,597.80
1/2		1/2		1/2		1/2	4,544.90	1/2	4,239.98	1/2	3,933.96	1/2	3,627.95	1/2	3,310.62	1/2	2,950.57	1/2	2,590.30
3/4		3/4		3/4		3/4	4,538.56	3/4	4,233.60	3/4	3,927.59	3/4	3,621.57	3/4	3,303.12	3/4	2,943.07	3/4	2,582.79
3	3	3	3	3	3	3	4,532.23	3	4,227.22	3	3,921.21	3	3,615.20	3	3,295.61	3	2,935.57	3	2,575.28
1/4		1/4		1/4		1/4	4,525.89	1/4	4,220.85	1/4	3,914.84	1/4	3,608.82	1/4	3,288.10	1/4	2,928.07	1/4	2,567.78
1/2		1/2		1/2		1/2	4,519.55	1/2	4,214.47	1/2	3,908.46	1/2	3,602.45	1/2	3,280.60	1/2	2,920.57	1/2	2,560.27
3/4		3/4		3/4		3/4	4,513.21	3/4	4,208.10	3/4	3,902.08	3/4	3,596.07	3/4	3,273.09	3/4	2,913.07	3/4	2,552.76
4	4	4	4	4	4	4	4,506.87	4	4,201.72	4	3,895.71	4	3,589.69	4	3,265.58	4	2,905.57	4	2,545.25
1/4		1/4		1/4		1/4	4,500.53	1/4	4,195.35	1/4	3,889.33	1/4	3,583.32	1/4	3,258.08	1/4	2,898.07	1/4	2,537.76
1/2		1/2		1/2		1/2	4,494.19	1/2	4,188.97	1/2	3,882.96	1/2	3,576.94	1/2	3,250.57	1/2	2,890.57	1/2	2,530.26
3/4		3/4		3/4		3/4	4,487.85	3/4	4,182.60	3/4	3,876.58	3/4	3,570.57	3/4	3,243.07	3/4	2,883.07	3/4	2,522.76
5	5	5	5	5	5	5	4,481.51	5	4,176.22	5	3,870.21	5	3,564.19	5	3,235.56	5	2,875.57	5	2,515.26
1/4		1/4		1/4		1/4	4,475.17	1/4	4,169.85	1/4	3,863.83	1/4	3,557.82	1/4	3,228.06	1/4	2,868.06	1/4	2,507.76
1/2		1/2		1/2		1/2	4,468.83	1/2	4,163.47	1/2	3,857.46	1/2	3,551.44	1/2	3,220.56	1/2	2,860.56	1/2	2,500.27
3/4		3/4		3/4		3/4	4,462.50	3/4	4,157.10	3/4	3,851.08	3/4	3,545.07	3/4	3,213.06	3/4	2,853.05	3/4	2,492.77
6	6	6	6	6	6	6	4,456.16	6	4,150.72	6	3,844.71	6	3,538.69	6	3,205.56	6	2,845.54	6	2,485.27
1/4		1/4		1/4		1/4	4,449.82	1/4	4,144.35	1/4	3,838.33	1/4	3,532.32	1/4	3,198.06	1/4	2,838.04	1/4	2,477.77
1/2		1/2		1/2		1/2	4,443.48	1/2	4,137.97	1/2	3,831.96	1/2	3,525.94	1/2	3,190.57	1/2	2,830.53	1/2	2,470.27
3/4		3/4		3/4		3/4	4,437.14	3/4	4,131.60	3/4	3,825.58	3/4	3,519.57	3/4	3,183.07	3/4	2,823.02	3/4	2,462.78
7	7	7	7	7	7	7	4,430.80	7	4,125.22	7	3,819.21	7	3,513.19	7	3,175.57	7	2,815.51	7	2,455.28
1/4		1/4		1/4	4,733.69	1/4	4,424.46	1/4	4,118.84	1/4	3,812.83	1/4	3,506.82	1/4	3,168.07	1/4	2,808.01	1/4	2,447.78
1/2		1/2		1/2	4,728.00	1/2	4,418.12	1/2	4,112.47	1/2	3,806.46	1/2	3,500.44	1/2	3,160.57	1/2	2,800.50	1/2	2,440.28
3/4		3/4		3/4	4,722.32	3/4	4,411.78	3/4	4,106.09	3/4	3,800.08	3/4	3,494.07	3/4	3,153.07	3/4	2,792.99	3/4	2,432.78
8	8	8	8	8	4,716.63	8	4,405.44	8	4,099.72	8	3,793.70	8	3,487.69	8	3,145.57	8	2,785.48	8	2,425.28
1/4		1/4		1/4	4,709.62	1/4	4,399.10	1/4	4,093.34	1/4	3,787.33	1/4	3,481.31	1/4	3,138.07	1/4	2,777.98	1/4	2,417.79
1/2		1/2		1/2	4,702.61	1/2	4,392.77	1/2	4,086.97	1/2	3,780.95	1/2	3,474.94	1/2	3,130.57	1/2	2,770.47	1/2	2,410.29
3/4		3/4		3/4	4,695.60	3/4	4,386.43	3/4	4,080.59	3/4	3,774.58	3/4	3,468.56	3/4	3,123.07	3/4	2,762.96	3/4	2,402.79
9	9	9	9	9	4,688.59	9	4,380.09	9	4,074.22	9	3,768.20	9	3,462.19	9	3,115.57	9	2,755.46	9	2,395.29
1/4		1/4		1/4	4,681.19	1/4	4,373.75	1/4	4,067.84	1/4	3,761.83	1/4	3,455.81	1/4	3,108.07	1/4	2,747.95	1/4	2,387.79
1/2		1/2		1/2	4,673.80	1/2	4,367.41	1/2	4,061.47	1/2	3,755.45	1/2	3,449.44	1/2	3,100.57	1/2	2,740.44	1/2	2,380.30
3/4		3/4		3/4	4,666.40	3/4	4,361.07	3/4	4,055.09	3/4	3,749.08	3/4	3,443.06	3/4	3,093.07	3/4	2,732.93	3/4	2,372.80
10	10	10	10	10	4,659.01	10	4,354.73	10	4,048.72	10	3,742.70	10	3,436.69	10	3,085.57	10	2,725.43	10	2,365.30
1/4		1/4		1/4	4,652.67	1/4	4,348.36	1/4	4,042.34	1/4	3,736.33	1/4	3,430.31	1/4	3,078.07	1/4	2,717.92	1/4	2,357.80
1/2		1/2		1/2	4,646.33	1/2	4,341.98	1/2	4,035.97	1/2	3,729.95	1/2	3,423.94	1/2	3,070.57	1/2	2,710.41	1/2	2,350.30
3/4		3/4		3/4	4,639.99	3/4	4,335.60	3/4	4,029.59	3/4	3,723.58	3/4	3,417.56	3/4	3,063.07	3/4	2,702.91	3/4	2,342.81
11	11	11	11	11	4,633.65	11	4,329.23	11	4,023.22	11	3,717.20	11	3,411.19	11	3,055.57	11	2,695.40	11	2,335.31
1/4		1/4		1/4	4,627.31	1/4	4,322.85	1/4	4,016.84	1/4	3,710.83	1/4	3,404.81	1/4	3,048.07	1/4	2,687.89	1/4	2,327.81
1/2		1/2		1/2	4,620.97	1/2	4,316.48	1/2	4,010.46	1/2	3,704.45	1/2	3,398.44	1/2	3,040.57	1/2	2,680.38	1/2	2,320.31
3/4		3/4		3/4	4,614.63	3/4	4,310.10	3/4	4,004.09	3/4	3,698.07	3/4	3,392.06	3/4	3,033.07	3/4	2,672.88	3/4	2,312.81

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "EMS 375"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 16'-05"

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	2,305.32	0	1,946.28	0	1,588.24	0	1,227.98	0	867.72	0	517.59	0	158.10	0		0		0	
1/4	2,297.81	1/4	1,938.85	1/4	1,580.73	1/4	1,220.47	1/4	860.21	1/4	510.30	1/4	150.59	1/4		1/4		1/4	
1/2	2,290.30	1/2	1,931.42	1/2	1,573.23	1/2	1,212.97	1/2	852.71	1/2	503.02	1/2	143.09	1/2		1/2		1/2	
3/4	2,282.79	3/4	1,923.99	3/4	1,565.72	3/4	1,205.46	3/4	845.20	3/4	495.74	3/4	135.58	3/4		3/4		3/4	
1	2,275.28	1	1,916.56	1	1,558.22	1	1,197.96	1	837.70	1	488.45	1	128.07	1		1		1	
1/4	2,267.77	1/4	1,909.12	1/4	1,550.71	1/4	1,190.45	1/4	830.41	1/4	480.95	1/4	120.56	1/4		1/4		1/4	
1/2	2,260.26	1/2	1,901.69	1/2	1,543.21	1/2	1,182.95	1/2	823.13	1/2	473.44	1/2	113.05	1/2		1/2		1/2	
3/4	2,252.75	3/4	1,894.26	3/4	1,535.70	3/4	1,175.44	3/4	815.85	3/4	465.93	3/4	105.55	3/4		3/4		3/4	
2	2,245.25	2	1,886.83	2	1,528.19	2	1,167.94	2	808.56	2	458.42	2	98.04	2		2		2	
1/4	2,237.74	1/4	1,879.40	1/4	1,520.69	1/4	1,160.43	1/4	801.28	1/4	450.91	1/4	90.53	1/4		1/4		1/4	
1/2	2,230.23	1/2	1,871.97	1/2	1,513.18	1/2	1,152.92	1/2	794.00	1/2	443.41	1/2	83.02	1/2		1/2		1/2	
3/4	2,222.72	3/4	1,864.53	3/4	1,505.68	3/4	1,145.42	3/4	786.71	3/4	435.90	3/4	75.51	3/4		3/4		3/4	
3	2,215.21	3	1,857.10	3	1,498.17	3	1,137.91	3	779.43	3	428.39	3	68.01	3		3		3	
1/4	2,207.70	1/4	1,849.67	1/4	1,490.67	1/4	1,130.41	1/4	772.15	1/4	420.88	1/4	60.77	1/4		1/4		1/4	
1/2	2,200.19	1/2	1,842.24	1/2	1,483.16	1/2	1,122.90	1/2	764.86	1/2	413.37	1/2	53.23	1/2		1/2		1/2	
3/4	2,192.68	3/4	1,834.81	3/4	1,475.66	3/4	1,115.40	3/4	757.58	3/4	405.87	3/4	46.29	3/4		3/4		3/4	
4	2,185.18	4	1,827.38	4	1,468.15	4	1,107.89	4	750.29	4	398.36	4	39.05	4		4		4	
1/4	2,177.67	1/4	1,819.94	1/4	1,460.65	1/4	1,100.39	1/4	743.02	1/4	390.85	1/4	33.68	1/4		1/4		1/4	
1/2	2,170.16	1/2	1,812.51	1/2	1,453.14	1/2	1,092.88	1/2	735.75	1/2	383.34	1/2	28.31	1/2		1/2		1/2	
3/4	2,162.65	3/4	1,805.08	3/4	1,445.64	3/4	1,085.38	3/4	728.47	3/4	375.83	3/4	22.94	3/4		3/4		3/4	
5	2,155.14	5	1,797.65	5	1,438.13	5	1,077.87	5	721.20	5	368.33	5	17.57	5		5		5	
1/4	2,147.63	1/4	1,790.22	1/4	1,430.62	1/4	1,070.37	1/4	713.93	1/4	360.82	1/4		1/4		1/4		1/4	
1/2	2,140.12	1/2	1,782.79	1/2	1,423.12	1/2	1,062.86	1/2	706.66	1/2	353.31	1/2		1/2		1/2		1/2	
3/4	2,132.62	3/4	1,775.35	3/4	1,415.61	3/4	1,055.35	3/4	699.38	3/4	345.80	3/4		3/4		3/4		3/4	
6	2,125.11	6	1,767.92	6	1,408.11	6	1,047.85	6	692.11	6	338.29	6		6		6		6	
1/4	2,117.60	1/4	1,760.49	1/4	1,400.60	1/4	1,040.34	1/4	684.84	1/4	330.79	1/4		1/4		1/4		1/4	
1/2	2,110.09	1/2	1,753.06	1/2	1,393.10	1/2	1,032.84	1/2	677.56	1/2	323.28	1/2		1/2		1/2		1/2	
3/4	2,102.58	3/4	1,745.63	3/4	1,385.59	3/4	1,025.33	3/4	670.29	3/4	315.77	3/4		3/4		3/4		3/4	
7	2,095.07	7	1,738.19	7	1,378.09	7	1,017.83	7	663.02	7	308.26	7		7		7		7	
1/4	2,087.60	1/4	1,730.73	1/4	1,370.58	1/4	1,010.32	1/4	655.75	1/4	300.75	1/4		1/4		1/4		1/4	
1/2	2,080.13	1/2	1,723.26	1/2	1,363.08	1/2	1,002.82	1/2	648.48	1/2	293.25	1/2		1/2		1/2		1/2	
3/4	2,072.66	3/4	1,715.79	3/4	1,355.57	3/4	995.31	3/4	641.21	3/4	285.74	3/4		3/4		3/4		3/4	
8	2,065.19	8	1,708.32	8	1,348.06	8	987.81	8	633.94	8	278.23	8		8		8		8	
1/4	2,057.76	1/4	1,700.82	1/4	1,340.56	1/4	980.30	1/4	626.67	1/4	270.72	1/4		1/4		1/4		1/4	
1/2	2,050.33	1/2	1,693.31	1/2	1,333.05	1/2	972.79	1/2	619.40	1/2	263.21	1/2		1/2		1/2		1/2	
3/4	2,042.89	3/4	1,685.81	3/4	1,325.55	3/4	965.29	3/4	612.13	3/4	255.71	3/4		3/4		3/4		3/4	
9	2,035.46	9	1,678.30	9	1,318.04	9	957.78	9	604.87	9	248.20	9		9		9		9	
1/4	2,028.03	1/4	1,670.80	1/4	1,310.54	1/4	950.28	1/4	597.59	1/4	240.69	1/4		1/4		1/4		1/4	
1/2	2,020.60	1/2	1,663.29	1/2	1,303.03	1/2	942.77	1/2	590.32	1/2	233.18	1/2		1/2		1/2		1/2	
3/4	2,013.17	3/4	1,655.79	3/4	1,295.53	3/4	935.27	3/4	583.05	3/4	225.67	3/4		3/4		3/4		3/4	
10	2,005.74	10	1,648.28	10	1,288.02	10	927.76	10	575.77	10	218.17	10		10		10		10	
1/4	1,998.30	1/4	1,640.78	1/4	1,280.52	1/4	920.26	1/4	568.50	1/4	210.66	1/4		1/4		1/4		1/4	
1/2	1,990.87	1/2	1,633.27	1/2	1,273.01	1/2	912.75	1/2	561.23	1/2	203.15	1/2		1/2		1/2		1/2	
3/4	1,983.44	3/4	1,625.76	3/4	1,265.51	3/4	905.25	3/4	553.95	3/4	195.64	3/4		3/4		3/4		3/4	
11	1,976.01	11	1,618.26	11	1,258.00	11	897.74	11	546.68	11	188.13	11		11		11		11	
1/4	1,968.58	1/4	1,610.75	1/4	1,250.49	1/4	890.24	1/4	539.41	1/4	180.63	1/4		1/4		1/4		1/4	
1/2	1,961.15	1/2	1,603.25	1/2	1,242.99	1/2	882.73	1/2	532.13	1/2	173.12	1/2		1/2		1/2		1/2	
3/4	1,953.71	3/4	1,595.74	3/4	1,235.48	3/4	875.22	3/4	524.86	3/4	165.61	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2012 CL - SW  
CALCULATED: 03/24/2012 CL  
PRINTED: 03/25/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2012

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