



# BARGE "EMS 376"

## INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
1 STBD	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
2 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4
2 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4
3 PORT	- 00-3/8	00-3/8	- 00-7/8	00-7/8	- 01-1/4	01-1/4	- 01-5/8	01-5/8	- 02-1/8	02-1/8	- 02-1/2	02-1/2
3 STBD	- 00-3/8	00-3/8	- 00-7/8	00-7/8	- 01-1/4	01-1/4	- 01-5/8	01-5/8	- 02-1/8	02-1/8	- 02-1/2	02-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-00"

May 18, 2012

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "EMS 376"

# 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	255.72	0	537.58	0	838.21	0	1,159.15	0	1,490.74	0	1,822.33	0	2,153.92	0	2,485.51	0	2,817.09
1/4	5.94	1/4	261.41	1/4	543.67	1/4	844.68	1/4	1,166.06	1/4	1,497.65	1/4	1,829.24	1/4	2,160.83	1/4	2,492.41	1/4	2,823.99
1/2	9.24	1/2	267.09	1/2	549.77	1/2	851.15	1/2	1,172.97	1/2	1,504.56	1/2	1,836.14	1/2	2,167.73	1/2	2,499.32	1/2	2,830.90
3/4	12.53	3/4	272.77	3/4	555.86	3/4	857.62	3/4	1,179.87	3/4	1,511.46	3/4	1,843.05	3/4	2,174.64	3/4	2,506.23	3/4	2,837.81
1	15.82	1	278.45	1	561.96	1	864.09	1	1,186.78	1	1,518.37	1	1,849.96	1	2,181.55	1	2,513.14	1	2,844.72
1/4	20.88	1/4	284.17	1/4	568.09	1/4	870.59	1/4	1,193.69	1/4	1,525.28	1/4	1,856.87	1/4	2,188.46	1/4	2,520.05	1/4	2,851.62
1/2	25.93	1/2	289.89	1/2	574.22	1/2	877.09	1/2	1,200.60	1/2	1,532.19	1/2	1,863.78	1/2	2,195.37	1/2	2,526.95	1/2	2,858.53
3/4	30.99	3/4	295.60	3/4	580.35	3/4	883.60	3/4	1,207.51	3/4	1,539.10	3/4	1,870.68	3/4	2,202.27	3/4	2,533.86	3/4	2,865.44
2	36.04	2	301.32	2	586.48	2	890.10	2	1,214.42	2	1,546.00	2	1,877.59	2	2,209.18	2	2,540.77	2	2,872.34
1/4	41.38	1/4	307.07	1/4	592.65	1/4	896.64	1/4	1,221.32	1/4	1,552.91	1/4	1,884.50	1/4	2,216.09	1/4	2,547.68	1/4	2,879.25
1/2	46.72	1/2	312.82	1/2	598.82	1/2	903.18	1/2	1,228.23	1/2	1,559.82	1/2	1,891.41	1/2	2,223.00	1/2	2,554.59	1/2	2,886.16
3/4	52.05	3/4	318.57	3/4	604.98	3/4	909.71	3/4	1,235.14	3/4	1,566.73	3/4	1,898.32	3/4	2,229.91	3/4	2,561.49	3/4	2,893.07
3	57.39	3	324.32	3	611.15	3	916.25	3	1,242.05	3	1,573.64	3	1,905.23	3	2,236.81	3	2,568.40	3	2,899.97
1/4	62.76	1/4	330.11	1/4	617.35	1/4	922.84	1/4	1,248.96	1/4	1,580.54	1/4	1,912.13	1/4	2,243.72	1/4	2,575.31	1/4	2,906.88
1/2	68.13	1/2	335.89	1/2	623.55	1/2	929.43	1/2	1,255.86	1/2	1,587.45	1/2	1,919.04	1/2	2,250.63	1/2	2,582.22	1/2	2,913.79
3/4	73.50	3/4	341.68	3/4	629.75	3/4	936.02	3/4	1,262.77	3/4	1,594.36	3/4	1,925.95	3/4	2,257.54	3/4	2,589.13	3/4	2,920.70
4	78.88	4	347.46	4	635.95	4	942.61	4	1,269.68	4	1,601.27	4	1,932.86	4	2,264.45	4	2,596.04	4	2,927.60
1/4	84.28	1/4	353.29	1/4	642.18	1/4	949.23	1/4	1,276.59	1/4	1,608.18	1/4	1,939.77	1/4	2,271.35	1/4	2,602.94	1/4	2,934.51
1/2	89.69	1/2	359.11	1/2	648.41	1/2	955.86	1/2	1,283.50	1/2	1,615.09	1/2	1,946.67	1/2	2,278.26	1/2	2,609.85	1/2	2,941.42
3/4	95.09	3/4	364.93	3/4	654.65	3/4	962.48	3/4	1,290.40	3/4	1,621.99	3/4	1,953.58	3/4	2,285.17	3/4	2,616.76	3/4	2,948.32
5	100.50	5	370.75	5	660.88	5	969.11	5	1,297.31	5	1,628.90	5	1,960.49	5	2,292.08	5	2,623.67	5	2,955.23
1/4	105.94	1/4	376.60	1/4	667.12	1/4	975.79	1/4	1,304.22	1/4	1,635.81	1/4	1,967.40	1/4	2,298.99	1/4	2,630.58	1/4	2,962.14
1/2	111.38	1/2	382.45	1/2	673.36	1/2	982.48	1/2	1,311.13	1/2	1,642.72	1/2	1,974.31	1/2	2,305.90	1/2	2,637.48	1/2	2,969.05
3/4	116.82	3/4	388.31	3/4	679.60	3/4	989.16	3/4	1,318.04	3/4	1,649.63	3/4	1,981.21	3/4	2,312.80	3/4	2,644.39	3/4	2,975.95
6	122.26	6	394.16	6	685.84	6	995.84	6	1,324.94	6	1,656.53	6	1,988.12	6	2,319.71	6	2,651.30	6	2,982.86
1/4	127.73	1/4	400.05	1/4	692.12	1/4	1,002.56	1/4	1,331.85	1/4	1,663.44	1/4	1,995.03	1/4	2,326.62	1/4	2,658.21	1/4	2,989.77
1/2	133.21	1/2	405.94	1/2	698.39	1/2	1,009.28	1/2	1,338.76	1/2	1,670.35	1/2	2,001.94	1/2	2,333.53	1/2	2,665.12	1/2	2,996.67
3/4	138.68	3/4	411.83	3/4	704.67	3/4	1,016.00	3/4	1,345.67	3/4	1,677.26	3/4	2,008.85	3/4	2,340.44	3/4	2,672.02	3/4	3,003.58
7	144.16	7	417.72	7	710.94	7	1,022.72	7	1,352.58	7	1,684.17	7	2,015.75	7	2,347.34	7	2,678.93	7	3,010.49
1/4	149.67	1/4	423.64	1/4	717.24	1/4	1,029.47	1/4	1,359.49	1/4	1,691.07	1/4	2,022.66	1/4	2,354.25	1/4	2,685.84	1/4	3,017.40
1/2	155.18	1/2	429.57	1/2	723.53	1/2	1,036.22	1/2	1,366.39	1/2	1,697.98	1/2	2,029.57	1/2	2,361.16	1/2	2,692.75	1/2	3,024.30
3/4	160.69	3/4	435.49	3/4	729.83	3/4	1,042.97	3/4	1,373.30	3/4	1,704.89	3/4	2,036.48	3/4	2,368.07	3/4	2,699.66	3/4	3,031.21
8	166.20	8	441.42	8	736.13	8	1,049.73	8	1,380.21	8	1,711.80	8	2,043.39	8	2,374.98	8	2,706.56	8	3,038.12
1/4	171.74	1/4	447.37	1/4	742.46	1/4	1,056.51	1/4	1,387.12	1/4	1,718.71	1/4	2,050.30	1/4	2,381.88	1/4	2,713.47	1/4	3,045.02
1/2	177.28	1/2	453.33	1/2	748.79	1/2	1,063.30	1/2	1,394.03	1/2	1,725.61	1/2	2,057.20	1/2	2,388.79	1/2	2,720.38	1/2	3,051.93
3/4	182.83	3/4	459.29	3/4	755.12	3/4	1,070.09	3/4	1,400.93	3/4	1,732.52	3/4	2,064.11	3/4	2,395.70	3/4	2,727.29	3/4	3,058.84
9	188.37	9	465.25	9	761.45	9	1,076.87	9	1,407.84	9	1,739.43	9	2,071.02	9	2,402.61	9	2,734.20	9	3,065.75
1/4	193.95	1/4	471.24	1/4	767.82	1/4	1,083.70	1/4	1,414.75	1/4	1,746.34	1/4	2,077.93	1/4	2,409.52	1/4	2,741.11	1/4	3,072.65
1/2	199.53	1/2	477.23	1/2	774.18	1/2	1,090.52	1/2	1,421.66	1/2	1,753.25	1/2	2,084.84	1/2	2,416.42	1/2	2,748.01	1/2	3,079.56
3/4	205.11	3/4	483.23	3/4	780.55	3/4	1,097.34	3/4	1,428.57	3/4	1,760.16	3/4	2,091.74	3/4	2,423.33	3/4	2,754.92	3/4	3,086.47
10	210.68	10	489.22	10	786.91	10	1,104.16	10	1,435.47	10	1,767.06	10	2,098.65	10	2,430.24	10	2,761.83	10	3,093.38
1/4	216.30	1/4	495.25	1/4	793.31	1/4	1,111.02	1/4	1,442.38	1/4	1,773.97	1/4	2,105.56	1/4	2,437.15	1/4	2,768.74	1/4	3,100.28
1/2	221.91	1/2	501.27	1/2	799.70	1/2	1,117.87	1/2	1,449.29	1/2	1,780.88	1/2	2,112.47	1/2	2,444.06	1/2	2,775.64	1/2	3,107.19
3/4	227.52	3/4	507.30	3/4	806.10	3/4	1,124.73	3/4	1,456.20	3/4	1,787.79	3/4	2,119.38	3/4	2,450.97	3/4	2,782.55	3/4	3,114.10
11	233.14	11	513.33	11	812.49	11	1,131.59	11	1,463.11	11	1,794.70	11	2,126.28	11	2,457.87	11	2,789.46	11	3,121.00
1/4	238.78	1/4	519.39	1/4	818.92	1/4	1,138.48	1/4	1,470.02	1/4	1,801.60	1/4	2,133.19	1/4	2,464.78	1/4	2,796.37	1/4	3,127.91
1/2	244.43	1/2	525.45	1/2	825.35	1/2	1,145.37	1/2	1,476.92	1/2	1,808.51	1/2	2,140.10	1/2	2,471.69	1/2	2,803.27	1/2	3,134.82
3/4	250.08	3/4	531.51	3/4	831.78	3/4	1,152.26	3/4	1,483.83	3/4	1,815.42	3/4	2,147.01	3/4	2,478.60	3/4	2,810.18	3/4	3,141.73

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 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "EMS 376"

## 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	3,148.63	0	3,480.18	0	3,811.72	0	4,142.46	0		0		0		0		0		0	
1/4	3,155.54	1/4	3,487.09	1/4	3,818.63	1/4	4,149.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,162.45	1/2	3,493.99	1/2	3,825.54	1/2	4,156.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,169.35	3/4	3,500.90	3/4	3,832.45	3/4	4,163.06	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,176.26	1	3,507.81	1	3,839.35	1	4,169.93	1		1		1		1		1		1	
1/4	3,183.17	1/4	3,514.71	1/4	3,846.26	1/4	4,176.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,190.08	1/2	3,521.62	1/2	3,853.17	1/2	4,183.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,196.98	3/4	3,528.53	3/4	3,860.07	3/4	4,190.53	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,203.89	2	3,535.44	2	3,866.98	2	4,197.40	2		2		2		2		2		2	
1/4	3,210.80	1/4	3,542.34	1/4	3,873.89	1/4	4,204.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,217.70	1/2	3,549.25	1/2	3,880.80	1/2	4,211.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,224.61	3/4	3,556.16	3/4	3,887.70	3/4	4,218.00	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,231.52	3	3,563.06	3	3,894.61	3	4,224.87	3		3		3		3		3		3	
1/4	3,238.43	1/4	3,569.97	1/4	3,901.52	1/4	4,231.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,245.33	1/2	3,576.88	1/2	3,908.42	1/2	4,238.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,252.24	3/4	3,583.79	3/4	3,915.33	3/4	4,245.47	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,259.15	4	3,590.69	4	3,922.24	4	4,252.33	4		4		4		4		4		4	
1/4	3,266.06	1/4	3,597.60	1/4	3,929.15	1/4	4,259.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,272.96	1/2	3,604.51	1/2	3,936.05	1/2	4,266.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,279.87	3/4	3,611.42	3/4	3,942.96	3/4	4,272.93	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,286.78	5	3,618.32	5	3,949.87	5	4,279.80	5		5		5		5		5		5	
1/4	3,293.68	1/4	3,625.23	1/4	3,956.78	1/4	4,286.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,300.59	1/2	3,632.14	1/2	3,963.68	1/2	4,293.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,307.50	3/4	3,639.04	3/4	3,970.59	3/4	4,300.40	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,314.41	6	3,645.95	6	3,977.50	6	4,307.27	6		6		6		6		6		6	
1/4	3,321.31	1/4	3,652.86	1/4	3,984.40	1/4	4,314.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,328.22	1/2	3,659.77	1/2	3,991.31	1/2	4,321.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,335.13	3/4	3,666.67	3/4	3,998.22	3/4	4,327.87	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,342.03	7	3,673.58	7	4,005.13	7	4,334.74	7		7		7		7		7		7	
1/4	3,348.94	1/4	3,680.49	1/4	4,011.99	1/4	4,341.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,355.85	1/2	3,687.39	1/2	4,018.86	1/2	4,348.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,362.76	3/4	3,694.30	3/4	4,025.73	3/4	4,355.12	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,369.66	8	3,701.21	8	4,032.59	8	4,361.91	8		8		8		8		8		8	
1/4	3,376.57	1/4	3,708.12	1/4	4,039.46	1/4	4,368.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,383.48	1/2	3,715.02	1/2	4,046.33	1/2	4,374.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,390.38	3/4	3,721.93	3/4	4,053.19	3/4	4,381.24	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,397.29	9	3,728.84	9	4,060.06	9	4,387.68	9		9		9		9		9		9	
1/4	3,404.20	1/4	3,735.74	1/4	4,066.93	1/4	4,392.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,411.11	1/2	3,742.65	1/2	4,073.79	1/2	4,398.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,418.01	3/4	3,749.56	3/4	4,080.66	3/4	4,403.35	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,424.92	10	3,756.47	10	4,087.53	10		10		10		10		10		10		10	
1/4	3,431.83	1/4	3,763.37	1/4	4,094.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,438.74	1/2	3,770.28	1/2	4,101.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,445.64	3/4	3,777.19	3/4	4,108.13	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,452.55	11	3,784.10	11	4,115.00	11		11		11		11		11		11		11	
1/4	3,459.46	1/4	3,791.00	1/4	4,121.86	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,466.36	1/2	3,797.91	1/2	4,128.73	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,473.27	3/4	3,804.82	3/4	4,135.60	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 05/18/2012 CL - SW  
CALCULATED: 05/18/2012 CL  
PRINTED: 05/18/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2012

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 376"

# 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 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	2.66	0	255.97	0	538.07	0	839.76	0	1,161.51	0	1,493.35	0	1,825.20	0	2,157.05	0	2,488.90	0	2,820.74
1/4	5.96	1/4	261.66	1/4	544.17	1/4	846.27	1/4	1,168.42	1/4	1,500.27	1/4	1,832.11	1/4	2,163.96	1/4	2,495.81	1/4	2,827.65
1/2	9.25	1/2	267.34	1/2	550.27	1/2	852.77	1/2	1,175.33	1/2	1,507.18	1/2	1,839.03	1/2	2,170.88	1/2	2,502.72	1/2	2,834.56
3/4	12.55	3/4	273.03	3/4	556.37	3/4	859.27	3/4	1,182.25	3/4	1,514.09	3/4	1,845.94	3/4	2,177.79	3/4	2,509.64	3/4	2,841.48
1	15.85	1	278.72	1	562.47	1	865.78	1	1,189.16	1	1,521.01	1	1,852.86	1	2,184.70	1	2,516.55	1	2,848.39
1/4	20.91	1/4	284.44	1/4	568.61	1/4	872.31	1/4	1,196.07	1/4	1,527.92	1/4	1,859.77	1/4	2,191.62	1/4	2,523.46	1/4	2,855.30
1/2	25.97	1/2	290.16	1/2	574.75	1/2	878.85	1/2	1,202.99	1/2	1,534.83	1/2	1,866.68	1/2	2,198.53	1/2	2,530.38	1/2	2,862.21
3/4	31.03	3/4	295.88	3/4	580.88	3/4	885.39	3/4	1,209.90	3/4	1,541.75	3/4	1,873.60	3/4	2,205.44	3/4	2,537.29	3/4	2,869.13
2	36.09	2	301.60	2	587.02	2	891.93	2	1,216.81	2	1,548.66	2	1,880.51	2	2,212.36	2	2,544.21	2	2,876.04
1/4	41.43	1/4	307.36	1/4	593.19	1/4	898.50	1/4	1,223.73	1/4	1,555.57	1/4	1,887.42	1/4	2,219.27	1/4	2,551.12	1/4	2,882.95
1/2	46.77	1/2	313.12	1/2	599.36	1/2	905.07	1/2	1,230.64	1/2	1,562.49	1/2	1,894.34	1/2	2,226.18	1/2	2,558.03	1/2	2,889.86
3/4	52.11	3/4	318.87	3/4	605.53	3/4	911.64	3/4	1,237.55	3/4	1,569.40	3/4	1,901.25	3/4	2,233.10	3/4	2,564.95	3/4	2,896.78
3	57.45	3	324.63	3	611.70	3	918.21	3	1,244.47	3	1,576.32	3	1,908.16	3	2,240.01	3	2,571.86	3	2,903.69
1/4	62.83	1/4	330.42	1/4	617.91	1/4	924.83	1/4	1,251.38	1/4	1,583.23	1/4	1,915.08	1/4	2,246.92	1/4	2,578.77	1/4	2,910.60
1/2	68.21	1/2	336.21	1/2	624.11	1/2	931.45	1/2	1,258.29	1/2	1,590.14	1/2	1,921.99	1/2	2,253.84	1/2	2,585.69	1/2	2,917.51
3/4	73.58	3/4	342.00	3/4	630.32	3/4	938.07	3/4	1,265.21	3/4	1,597.06	3/4	1,928.90	3/4	2,260.75	3/4	2,592.60	3/4	2,924.43
4	78.96	4	347.79	4	636.52	4	944.69	4	1,272.12	4	1,603.97	4	1,935.82	4	2,267.67	4	2,599.51	4	2,931.34
1/4	84.37	1/4	353.62	1/4	642.76	1/4	951.35	1/4	1,279.03	1/4	1,610.88	1/4	1,942.73	1/4	2,274.58	1/4	2,606.43	1/4	2,938.25
1/2	89.78	1/2	359.44	1/2	649.00	1/2	958.00	1/2	1,285.95	1/2	1,617.80	1/2	1,949.64	1/2	2,281.49	1/2	2,613.34	1/2	2,945.16
3/4	95.19	3/4	365.27	3/4	655.24	3/4	964.66	3/4	1,292.86	3/4	1,624.71	3/4	1,956.56	3/4	2,288.41	3/4	2,620.25	3/4	2,952.08
5	100.60	5	371.09	5	661.48	5	971.31	5	1,299.78	5	1,631.62	5	1,963.47	5	2,295.32	5	2,627.17	5	2,958.99
1/4	106.05	1/4	376.95	1/4	667.75	1/4	978.00	1/4	1,306.69	1/4	1,638.54	1/4	1,970.38	1/4	2,302.23	1/4	2,634.08	1/4	2,965.90
1/2	111.49	1/2	382.81	1/2	674.03	1/2	984.69	1/2	1,313.60	1/2	1,645.45	1/2	1,977.30	1/2	2,309.15	1/2	2,640.99	1/2	2,972.82
3/4	116.94	3/4	388.67	3/4	680.30	3/4	991.38	3/4	1,320.52	3/4	1,652.36	3/4	1,984.21	3/4	2,316.06	3/4	2,647.91	3/4	2,979.73
6	122.38	6	394.53	6	686.58	6	998.07	6	1,327.43	6	1,659.28	6	1,991.13	6	2,322.97	6	2,654.82	6	2,986.64
1/4	127.86	1/4	400.43	1/4	692.89	1/4	1,004.79	1/4	1,334.34	1/4	1,666.19	1/4	1,998.04	1/4	2,329.89	1/4	2,661.73	1/4	2,993.55
1/2	133.34	1/2	406.32	1/2	699.19	1/2	1,011.51	1/2	1,341.26	1/2	1,673.10	1/2	2,004.95	1/2	2,336.80	1/2	2,668.65	1/2	3,000.47
3/4	138.82	3/4	412.21	3/4	705.50	3/4	1,018.24	3/4	1,348.17	3/4	1,680.02	3/4	2,011.87	3/4	2,343.71	3/4	2,675.56	3/4	3,007.38
7	144.30	7	418.11	7	711.81	7	1,024.96	7	1,355.08	7	1,686.93	7	2,018.78	7	2,350.63	7	2,682.48	7	3,014.29
1/4	149.81	1/4	424.04	1/4	718.14	1/4	1,031.72	1/4	1,362.00	1/4	1,693.84	1/4	2,025.69	1/4	2,357.54	1/4	2,689.39	1/4	3,021.20
1/2	155.33	1/2	429.97	1/2	724.47	1/2	1,038.48	1/2	1,368.91	1/2	1,700.76	1/2	2,032.61	1/2	2,364.45	1/2	2,696.30	1/2	3,028.12
3/4	160.84	3/4	435.89	3/4	730.80	3/4	1,045.24	3/4	1,375.82	3/4	1,707.67	3/4	2,039.52	3/4	2,371.37	3/4	2,703.22	3/4	3,035.03
8	166.36	8	441.82	8	737.13	8	1,051.99	8	1,382.74	8	1,714.59	8	2,046.43	8	2,378.28	8	2,710.13	8	3,041.94
1/4	171.91	1/4	447.79	1/4	743.50	1/4	1,058.79	1/4	1,389.65	1/4	1,721.50	1/4	2,053.35	1/4	2,385.19	1/4	2,717.04	1/4	3,048.85
1/2	177.46	1/2	453.75	1/2	749.86	1/2	1,065.58	1/2	1,396.56	1/2	1,728.41	1/2	2,060.26	1/2	2,392.11	1/2	2,723.96	1/2	3,055.77
3/4	183.00	3/4	459.71	3/4	756.23	3/4	1,072.37	3/4	1,403.48	3/4	1,735.33	3/4	2,067.17	3/4	2,399.02	3/4	2,730.87	3/4	3,062.68
9	188.55	9	465.68	9	762.59	9	1,079.16	9	1,410.39	9	1,742.24	9	2,074.09	9	2,405.94	9	2,737.78	9	3,069.59
1/4	194.14	1/4	471.68	1/4	768.99	1/4	1,085.99	1/4	1,417.30	1/4	1,749.15	1/4	2,081.00	1/4	2,412.85	1/4	2,744.70	1/4	3,076.50
1/2	199.72	1/2	477.67	1/2	775.39	1/2	1,092.82	1/2	1,424.22	1/2	1,756.07	1/2	2,087.91	1/2	2,419.76	1/2	2,751.61	1/2	3,083.42
3/4	205.30	3/4	483.67	3/4	781.79	3/4	1,099.65	3/4	1,431.13	3/4	1,762.98	3/4	2,094.83	3/4	2,426.68	3/4	2,758.52	3/4	3,090.33
10	210.89	10	489.67	10	788.19	10	1,106.47	10	1,438.05	10	1,769.89	10	2,101.74	10	2,433.59	10	2,765.44	10	3,097.24
1/4	216.51	1/4	495.70	1/4	794.62	1/4	1,113.34	1/4	1,444.96	1/4	1,776.81	1/4	2,108.65	1/4	2,440.50	1/4	2,772.35	1/4	3,104.15
1/2	222.12	1/2	501.73	1/2	801.05	1/2	1,120.20	1/2	1,451.87	1/2	1,783.72	1/2	2,115.57	1/2	2,447.42	1/2	2,779.26	1/2	3,111.07
3/4	227.74	3/4	507.77	3/4	807.48	3/4	1,127.06	3/4	1,458.79	3/4	1,790.63	3/4	2,122.48	3/4	2,454.33	3/4	2,786.17	3/4	3,117.98
11	233.36	11	513.80	11	813.91	11	1,133.92	11	1,465.70	11	1,797.55	11	2,129.40	11	2,461.24	11	2,793.09	11	3,124.89
1/4	239.01	1/4	519.87	1/4	820.37	1/4	1,140.82	1/4	1,472.61	1/4	1,804.46	1/4	2,136.31	1/4	2,468.16	1/4	2,800.00	1/4	3,131.80
1/2	244.66	1/2	525.93	1/2	826.84	1/2	1,147.71	1/2	1,479.53	1/2	1,811.37	1/2	2,143.22	1/2	2,475.07	1/2	2,806.91	1/2	3,138.72
3/4	250.32	3/4	532.00	3/4	833.30	3/4	1,154.61	3/4	1,486.44	3/4	1,818.29	3/4	2,150.14	3/4	2,481.98	3/4	2,813.83	3/4	3,145.63

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 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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# BARGE "EMS 376"

**1 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 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	3,152.54	0	3,484.35	0	3,816.15	0	4,147.16	0		0		0		0		0		0	
1/4	3,159.46	1/4	3,491.26	1/4	3,823.06	1/4	4,154.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,166.37	1/2	3,498.17	1/2	3,829.98	1/2	4,160.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,173.28	3/4	3,505.09	3/4	3,836.89	3/4	4,167.77	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,180.19	1	3,512.00	1	3,843.80	1	4,174.65	1		1		1		1		1		1	
1/4	3,187.11	1/4	3,518.91	1/4	3,850.72	1/4	4,181.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,194.02	1/2	3,525.82	1/2	3,857.63	1/2	4,188.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,200.93	3/4	3,532.74	3/4	3,864.54	3/4	4,195.26	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,207.84	2	3,539.65	2	3,871.45	2	4,202.14	2		2		2		2		2		2	
1/4	3,214.76	1/4	3,546.56	1/4	3,878.37	1/4	4,209.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,221.67	1/2	3,553.47	1/2	3,885.28	1/2	4,215.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,228.58	3/4	3,560.39	3/4	3,892.19	3/4	4,222.75	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,235.49	3	3,567.30	3	3,899.10	3	4,229.63	3		3		3		3		3		3	
1/4	3,242.41	1/4	3,574.21	1/4	3,906.02	1/4	4,236.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,249.32	1/2	3,581.12	1/2	3,912.93	1/2	4,243.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,256.23	3/4	3,588.04	3/4	3,919.84	3/4	4,250.24	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,263.14	4	3,594.95	4	3,926.75	4	4,257.12	4		4		4		4		4		4	
1/4	3,270.06	1/4	3,601.86	1/4	3,933.67	1/4	4,263.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,276.97	1/2	3,608.77	1/2	3,940.58	1/2	4,270.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,283.88	3/4	3,615.69	3/4	3,947.49	3/4	4,277.73	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,290.79	5	3,622.60	5	3,954.40	5	4,284.61	5		5		5		5		5		5	
1/4	3,297.71	1/4	3,629.51	1/4	3,961.32	1/4	4,291.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,304.62	1/2	3,636.42	1/2	3,968.23	1/2	4,298.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,311.53	3/4	3,643.34	3/4	3,975.14	3/4	4,305.22	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,318.45	6	3,650.25	6	3,982.05	6	4,312.10	6		6		6		6		6		6	
1/4	3,325.36	1/4	3,657.16	1/4	3,988.97	1/4	4,318.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,332.27	1/2	3,664.08	1/2	3,995.88	1/2	4,325.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,339.18	3/4	3,670.99	3/4	4,002.79	3/4	4,332.71	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,346.10	7	3,677.90	7	4,009.71	7	4,339.59	7		7		7		7		7		7	
1/4	3,353.01	1/4	3,684.81	1/4	4,016.58	1/4	4,346.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,359.92	1/2	3,691.73	1/2	4,023.45	1/2	4,353.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,366.83	3/4	3,698.64	3/4	4,030.32	3/4	4,359.98	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,373.75	8	3,705.55	8	4,037.20	8	4,366.78	8		8		8		8		8		8	
1/4	3,380.66	1/4	3,712.46	1/4	4,044.07	1/4	4,373.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,387.57	1/2	3,719.38	1/2	4,050.94	1/2	4,379.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,394.48	3/4	3,726.29	3/4	4,057.81	3/4	4,386.12	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,401.40	9	3,733.20	9	4,064.69	9	4,392.57	9		9		9		9		9		9	
1/4	3,408.31	1/4	3,740.11	1/4	4,071.56	1/4	4,397.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,415.22	1/2	3,747.03	1/2	4,078.43	1/2	4,403.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,422.13	3/4	3,753.94	3/4	4,085.30	3/4	4,408.25	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,429.05	10	3,760.85	10	4,092.18	10		10		10		10		10		10		10	
1/4	3,435.96	1/4	3,767.76	1/4	4,099.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,442.87	1/2	3,774.68	1/2	4,105.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,449.78	3/4	3,781.59	3/4	4,112.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,456.70	11	3,788.50	11	4,119.67	11		11		11		11		11		11		11	
1/4	3,463.61	1/4	3,795.41	1/4	4,126.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,470.52	1/2	3,802.33	1/2	4,133.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,477.43	3/4	3,809.24	3/4	4,140.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2012 CL - SW  
CALCULATED: 05/18/2012 CL  
PRINTED: 05/18/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2012

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



# BARGE "EMS 376"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	18.86	0	396.53	0	774.33	0	1,157.46	0	1,545.56	0	1,933.65	0	2,321.75	0	2,709.85	0	3,097.95	0	3,486.04
1/4	24.63	1/4	404.61	1/4	782.10	1/4	1,165.54	1/4	1,553.64	1/4	1,941.74	1/4	2,329.84	1/4	2,717.94	1/4	3,106.04	1/4	3,494.13
1/2	30.41	1/2	412.70	1/2	789.86	1/2	1,173.63	1/2	1,561.73	1/2	1,949.83	1/2	2,337.92	1/2	2,726.02	1/2	3,114.12	1/2	3,502.21
3/4	36.18	3/4	420.78	3/4	797.62	3/4	1,181.71	3/4	1,569.81	3/4	1,957.91	3/4	2,346.01	3/4	2,734.11	3/4	3,122.21	3/4	3,510.29
1	41.95	1	428.87	1	805.39	1	1,189.80	1	1,577.90	1	1,966.00	1	2,354.10	1	2,742.19	1	3,130.29	1	3,518.38
1/4	49.75	1/4	436.95	1/4	813.16	1/4	1,197.88	1/4	1,585.98	1/4	1,974.08	1/4	2,362.18	1/4	2,750.28	1/4	3,138.38	1/4	3,526.46
1/2	57.55	1/2	445.04	1/2	820.94	1/2	1,205.97	1/2	1,594.07	1/2	1,982.17	1/2	2,370.27	1/2	2,758.37	1/2	3,146.46	1/2	3,534.55
3/4	65.34	3/4	453.12	3/4	828.71	3/4	1,214.05	3/4	1,602.15	3/4	1,990.25	3/4	2,378.35	3/4	2,766.45	3/4	3,154.55	3/4	3,542.63
2	73.14	2	461.21	2	836.48	2	1,222.14	2	1,610.24	2	1,998.34	2	2,386.44	2	2,774.54	2	3,162.64	2	3,550.72
1/4	81.22	1/4	469.29	1/4	844.26	1/4	1,230.23	1/4	1,618.32	1/4	2,006.42	1/4	2,394.52	1/4	2,782.62	1/4	3,170.72	1/4	3,558.80
1/2	89.31	1/2	477.38	1/2	852.04	1/2	1,238.31	1/2	1,626.41	1/2	2,014.51	1/2	2,402.61	1/2	2,790.71	1/2	3,178.81	1/2	3,566.88
3/4	97.39	3/4	485.46	3/4	859.82	3/4	1,246.40	3/4	1,634.50	3/4	2,022.59	3/4	2,410.69	3/4	2,798.79	3/4	3,186.89	3/4	3,574.97
3	105.48	3	493.55	3	867.60	3	1,254.48	3	1,642.58	3	2,030.68	3	2,418.78	3	2,806.88	3	3,194.98	3	3,583.05
1/4	113.56	1/4	501.63	1/4	875.38	1/4	1,262.57	1/4	1,650.67	1/4	2,038.77	1/4	2,426.86	1/4	2,814.96	1/4	3,203.06	1/4	3,591.14
1/2	121.65	1/2	509.72	1/2	883.16	1/2	1,270.65	1/2	1,658.75	1/2	2,046.85	1/2	2,434.95	1/2	2,823.05	1/2	3,211.15	1/2	3,599.22
3/4	129.73	3/4	517.80	3/4	890.94	3/4	1,278.74	3/4	1,666.84	3/4	2,054.94	3/4	2,443.04	3/4	2,831.13	3/4	3,219.23	3/4	3,607.31
4	137.82	4	525.89	4	898.72	4	1,286.82	4	1,674.92	4	2,063.02	4	2,451.12	4	2,839.22	4	3,227.32	4	3,615.39
1/4	145.90	1/4	533.66	1/4	906.81	1/4	1,294.91	1/4	1,683.01	1/4	2,071.11	1/4	2,459.21	1/4	2,847.31	1/4	3,235.40	1/4	3,623.47
1/2	153.99	1/2	541.43	1/2	914.89	1/2	1,302.99	1/2	1,691.09	1/2	2,079.19	1/2	2,467.29	1/2	2,855.39	1/2	3,243.49	1/2	3,631.56
3/4	162.07	3/4	549.21	3/4	922.98	3/4	1,311.08	3/4	1,699.18	3/4	2,087.28	3/4	2,475.38	3/4	2,863.48	3/4	3,251.58	3/4	3,639.64
5	170.16	5	556.98	5	931.07	5	1,319.16	5	1,707.26	5	2,095.36	5	2,483.46	5	2,871.56	5	3,259.66	5	3,647.73
1/4	178.24	1/4	564.74	1/4	939.15	1/4	1,327.25	1/4	1,715.35	1/4	2,103.45	1/4	2,491.55	1/4	2,879.65	1/4	3,267.75	1/4	3,655.81
1/2	186.32	1/2	572.51	1/2	947.24	1/2	1,335.34	1/2	1,723.43	1/2	2,111.53	1/2	2,499.63	1/2	2,887.73	1/2	3,275.83	1/2	3,663.89
3/4	194.41	3/4	580.27	3/4	955.32	3/4	1,343.42	3/4	1,731.52	3/4	2,119.62	3/4	2,507.72	3/4	2,895.82	3/4	3,283.92	3/4	3,671.98
6	202.49	6	588.03	6	963.41	6	1,351.51	6	1,739.61	6	2,127.70	6	2,515.80	6	2,903.90	6	3,292.00	6	3,680.06
1/4	210.58	1/4	595.80	1/4	971.49	1/4	1,359.59	1/4	1,747.69	1/4	2,135.79	1/4	2,523.89	1/4	2,911.99	1/4	3,300.09	1/4	3,688.15
1/2	218.66	1/2	603.56	1/2	979.58	1/2	1,367.68	1/2	1,755.78	1/2	2,143.88	1/2	2,531.97	1/2	2,920.07	1/2	3,308.17	1/2	3,696.23
3/4	226.75	3/4	611.33	3/4	987.66	3/4	1,375.76	3/4	1,763.86	3/4	2,151.96	3/4	2,540.06	3/4	2,928.16	3/4	3,316.26	3/4	3,704.32
7	234.83	7	619.09	7	995.75	7	1,383.85	7	1,771.95	7	2,160.05	7	2,548.15	7	2,936.24	7	3,324.34	7	3,712.40
1/4	242.92	1/4	626.85	1/4	1,003.83	1/4	1,391.93	1/4	1,780.03	1/4	2,168.13	1/4	2,556.23	1/4	2,944.33	1/4	3,332.43	1/4	3,720.48
1/2	251.00	1/2	634.62	1/2	1,011.92	1/2	1,400.02	1/2	1,788.12	1/2	2,176.22	1/2	2,564.32	1/2	2,952.42	1/2	3,340.51	1/2	3,728.57
3/4	259.09	3/4	642.38	3/4	1,020.00	3/4	1,408.10	3/4	1,796.20	3/4	2,184.30	3/4	2,572.40	3/4	2,960.50	3/4	3,348.60	3/4	3,736.65
8	267.17	8	650.15	8	1,028.09	8	1,416.19	8	1,804.29	8	2,192.39	8	2,580.49	8	2,968.59	8	3,356.69	8	3,744.74
1/4	275.26	1/4	657.90	1/4	1,036.18	1/4	1,424.27	1/4	1,812.37	1/4	2,200.47	1/4	2,588.57	1/4	2,976.67	1/4	3,364.77	1/4	3,752.82
1/2	283.34	1/2	665.66	1/2	1,044.26	1/2	1,432.36	1/2	1,820.46	1/2	2,208.56	1/2	2,596.66	1/2	2,984.76	1/2	3,372.86	1/2	3,760.90
3/4	291.43	3/4	673.42	3/4	1,052.35	3/4	1,440.45	3/4	1,828.54	3/4	2,216.64	3/4	2,604.74	3/4	2,992.84	3/4	3,380.94	3/4	3,768.99
9	299.51	9	681.18	9	1,060.43	9	1,448.53	9	1,836.63	9	2,224.73	9	2,612.83	9	3,000.93	9	3,389.03	9	3,777.07
1/4	307.60	1/4	688.94	1/4	1,068.52	1/4	1,456.62	1/4	1,844.72	1/4	2,232.81	1/4	2,620.91	1/4	3,009.01	1/4	3,397.11	1/4	3,785.16
1/2	315.68	1/2	696.70	1/2	1,076.60	1/2	1,464.70	1/2	1,852.80	1/2	2,240.90	1/2	2,629.00	1/2	3,017.10	1/2	3,405.20	1/2	3,793.24
3/4	323.77	3/4	704.46	3/4	1,084.69	3/4	1,472.79	3/4	1,860.89	3/4	2,248.99	3/4	2,637.08	3/4	3,025.18	3/4	3,413.28	3/4	3,801.33
10	331.85	10	712.22	10	1,092.77	10	1,480.87	10	1,868.97	10	2,257.07	10	2,645.17	10	3,033.27	10	3,421.37	10	3,809.41
1/4	339.94	1/4	719.98	1/4	1,100.86	1/4	1,488.96	1/4	1,877.06	1/4	2,265.16	1/4	2,653.26	1/4	3,041.35	1/4	3,429.45	1/4	3,817.49
1/2	348.02	1/2	727.75	1/2	1,108.94	1/2	1,497.04	1/2	1,885.14	1/2	2,273.24	1/2	2,661.34	1/2	3,049.44	1/2	3,437.54	1/2	3,825.58
3/4	356.11	3/4	735.51	3/4	1,117.03	3/4	1,505.13	3/4	1,893.23	3/4	2,281.33	3/4	2,669.43	3/4	3,057.53	3/4	3,445.62	3/4	3,833.66
11	364.19	11	743.28	11	1,125.12	11	1,513.21	11	1,901.31	11	2,289.41	11	2,677.51	11	3,065.61	11	3,453.71	11	3,841.75
1/4	372.28	1/4	751.04	1/4	1,133.20	1/4	1,521.30	1/4	1,909.40	1/4	2,297.50	1/4	2,685.60	1/4	3,073.70	1/4	3,461.79	1/4	3,849.83
1/2	380.36	1/2	758.80	1/2	1,141.29	1/2	1,529.39	1/2	1,917.48	1/2	2,305.58	1/2	2,693.68	1/2	3,081.78	1/2	3,469.87	1/2	3,857.92
3/4	388.44	3/4	766.57	3/4	1,149.37	3/4	1,537.47	3/4	1,925.57	3/4	2,313.67	3/4	2,701.77	3/4	3,089.87	3/4	3,477.96	3/4	3,866.00

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 42'-06" 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 376"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09"

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	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2012 CL - SW  
CALCULATED: 05/18/2012 CL  
PRINTED: 05/18/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2012

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "EMS 376"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 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	18.85	0	396.44	0	784.11	0	1,172.08	0	1,560.09	0	1,948.11	0	2,336.12	0	2,724.13	0	3,112.15	0	3,500.15
1/4	24.63	1/4	404.52	1/4	792.18	1/4	1,180.17	1/4	1,568.18	1/4	1,956.19	1/4	2,344.20	1/4	2,732.22	1/4	3,120.23	1/4	3,508.23
1/2	30.40	1/2	412.61	1/2	800.26	1/2	1,188.25	1/2	1,576.26	1/2	1,964.27	1/2	2,352.29	1/2	2,740.30	1/2	3,128.31	1/2	3,516.31
3/4	36.17	3/4	420.69	3/4	808.33	3/4	1,196.33	3/4	1,584.35	3/4	1,972.36	3/4	2,360.37	3/4	2,748.38	3/4	3,136.40	3/4	3,524.40
1	41.94	1	428.77	1	816.40	1	1,204.42	1	1,592.43	1	1,980.44	1	2,368.45	1	2,756.47	1	3,144.48	1	3,532.48
1/4	49.74	1/4	436.86	1/4	824.49	1/4	1,212.50	1/4	1,600.51	1/4	1,988.53	1/4	2,376.54	1/4	2,764.55	1/4	3,152.56	1/4	3,540.56
1/2	57.53	1/2	444.94	1/2	832.57	1/2	1,220.58	1/2	1,608.60	1/2	1,996.61	1/2	2,384.62	1/2	2,772.63	1/2	3,160.65	1/2	3,548.64
3/4	65.33	3/4	453.02	3/4	840.65	3/4	1,228.67	3/4	1,616.68	3/4	2,004.69	3/4	2,392.71	3/4	2,780.72	3/4	3,168.73	3/4	3,556.73
2	73.12	2	461.10	2	848.74	2	1,236.75	2	1,624.76	2	2,012.78	2	2,400.79	2	2,788.80	2	3,176.81	2	3,564.81
1/4	81.20	1/4	469.19	1/4	856.82	1/4	1,244.83	1/4	1,632.85	1/4	2,020.86	1/4	2,408.87	1/4	2,796.89	1/4	3,184.90	1/4	3,572.89
1/2	89.29	1/2	477.27	1/2	864.90	1/2	1,252.92	1/2	1,640.93	1/2	2,028.94	1/2	2,416.96	1/2	2,804.97	1/2	3,192.98	1/2	3,580.97
3/4	97.37	3/4	485.35	3/4	872.99	3/4	1,261.00	3/4	1,649.01	3/4	2,037.03	3/4	2,425.04	3/4	2,813.05	3/4	3,201.07	3/4	3,589.06
3	105.45	3	493.44	3	881.07	3	1,269.08	3	1,657.10	3	2,045.11	3	2,433.12	3	2,821.14	3	3,209.15	3	3,597.14
1/4	113.54	1/4	501.52	1/4	889.16	1/4	1,277.17	1/4	1,665.18	1/4	2,053.19	1/4	2,441.21	1/4	2,829.22	1/4	3,217.23	1/4	3,605.22
1/2	121.62	1/2	509.60	1/2	897.24	1/2	1,285.25	1/2	1,673.26	1/2	2,061.28	1/2	2,449.29	1/2	2,837.30	1/2	3,225.32	1/2	3,613.30
3/4	129.70	3/4	517.69	3/4	905.32	3/4	1,293.34	3/4	1,681.35	3/4	2,069.36	3/4	2,457.37	3/4	2,845.39	3/4	3,233.40	3/4	3,621.38
4	137.78	4	525.77	4	913.41	4	1,301.42	4	1,689.43	4	2,077.44	4	2,465.46	4	2,853.47	4	3,241.48	4	3,629.47
1/4	145.87	1/4	533.85	1/4	921.49	1/4	1,309.50	1/4	1,697.52	1/4	2,085.53	1/4	2,473.54	1/4	2,861.55	1/4	3,249.57	1/4	3,637.55
1/2	153.95	1/2	541.93	1/2	929.57	1/2	1,317.59	1/2	1,705.60	1/2	2,093.61	1/2	2,481.62	1/2	2,869.64	1/2	3,257.65	1/2	3,645.63
3/4	162.03	3/4	550.02	3/4	937.66	3/4	1,325.67	3/4	1,713.68	3/4	2,101.70	3/4	2,489.71	3/4	2,877.72	3/4	3,265.73	3/4	3,653.71
5	170.12	5	558.10	5	945.74	5	1,333.75	5	1,721.77	5	2,109.78	5	2,497.79	5	2,885.80	5	3,273.82	5	3,661.80
1/4	178.20	1/4	566.17	1/4	953.82	1/4	1,341.84	1/4	1,729.85	1/4	2,117.86	1/4	2,505.88	1/4	2,893.89	1/4	3,281.90	1/4	3,669.88
1/2	186.28	1/2	574.25	1/2	961.91	1/2	1,349.92	1/2	1,737.93	1/2	2,125.95	1/2	2,513.96	1/2	2,901.97	1/2	3,289.98	1/2	3,677.96
3/4	194.37	3/4	582.32	3/4	969.99	3/4	1,358.00	3/4	1,746.02	3/4	2,134.03	3/4	2,522.04	3/4	2,910.06	3/4	3,298.07	3/4	3,686.04
6	202.45	6	590.39	6	978.08	6	1,366.09	6	1,754.10	6	2,142.11	6	2,530.13	6	2,918.14	6	3,306.15	6	3,694.13
1/4	210.53	1/4	598.46	1/4	986.16	1/4	1,374.17	1/4	1,762.18	1/4	2,150.20	1/4	2,538.21	1/4	2,926.22	1/4	3,314.24	1/4	3,702.21
1/2	218.61	1/2	606.54	1/2	994.24	1/2	1,382.26	1/2	1,770.27	1/2	2,158.28	1/2	2,546.29	1/2	2,934.31	1/2	3,322.32	1/2	3,710.29
3/4	226.70	3/4	614.61	3/4	1,002.33	3/4	1,390.34	3/4	1,778.35	3/4	2,166.36	3/4	2,554.38	3/4	2,942.39	3/4	3,330.40	3/4	3,718.37
7	234.78	7	622.68	7	1,010.41	7	1,398.42	7	1,786.44	7	2,174.45	7	2,562.46	7	2,950.47	7	3,338.49	7	3,726.46
1/4	242.86	1/4	630.76	1/4	1,018.49	1/4	1,406.51	1/4	1,794.52	1/4	2,182.53	1/4	2,570.54	1/4	2,958.56	1/4	3,346.57	1/4	3,734.54
1/2	250.95	1/2	638.83	1/2	1,026.58	1/2	1,414.59	1/2	1,802.60	1/2	2,190.62	1/2	2,578.63	1/2	2,966.64	1/2	3,354.65	1/2	3,742.62
3/4	259.03	3/4	646.90	3/4	1,034.66	3/4	1,422.67	3/4	1,810.69	3/4	2,198.70	3/4	2,586.71	3/4	2,974.72	3/4	3,362.74	3/4	3,750.70
8	267.11	8	654.97	8	1,042.74	8	1,430.76	8	1,818.77	8	2,206.78	8	2,594.80	8	2,982.81	8	3,370.82	8	3,758.79
1/4	275.20	1/4	663.04	1/4	1,050.83	1/4	1,438.84	1/4	1,826.85	1/4	2,214.87	1/4	2,602.88	1/4	2,990.89	1/4	3,378.90	1/4	3,766.87
1/2	283.28	1/2	671.11	1/2	1,058.91	1/2	1,446.92	1/2	1,834.94	1/2	2,222.95	1/2	2,610.96	1/2	2,998.98	1/2	3,386.99	1/2	3,774.95
3/4	291.36	3/4	679.18	3/4	1,066.99	3/4	1,455.01	3/4	1,843.02	3/4	2,231.03	3/4	2,619.05	3/4	3,007.06	3/4	3,395.07	3/4	3,783.03
9	299.44	9	687.25	9	1,075.08	9	1,463.09	9	1,851.10	9	2,239.12	9	2,627.13	9	3,015.14	9	3,403.16	9	3,791.12
1/4	307.53	1/4	695.32	1/4	1,083.16	1/4	1,471.17	1/4	1,859.19	1/4	2,247.20	1/4	2,635.21	1/4	3,023.23	1/4	3,411.24	1/4	3,799.20
1/2	315.61	1/2	703.39	1/2	1,091.25	1/2	1,479.26	1/2	1,867.27	1/2	2,255.28	1/2	2,643.30	1/2	3,031.31	1/2	3,419.32	1/2	3,807.28
3/4	323.69	3/4	711.46	3/4	1,099.33	3/4	1,487.34	3/4	1,875.35	3/4	2,263.37	3/4	2,651.38	3/4	3,039.39	3/4	3,427.41	3/4	3,815.36
10	331.78	10	719.52	10	1,107.41	10	1,495.43	10	1,883.44	10	2,271.45	10	2,659.46	10	3,047.48	10	3,435.49	10	3,823.44
1/4	339.86	1/4	727.60	1/4	1,115.50	1/4	1,503.51	1/4	1,891.52	1/4	2,279.53	1/4	2,667.55	1/4	3,055.56	1/4	3,443.57	1/4	3,831.53
1/2	347.94	1/2	735.67	1/2	1,123.58	1/2	1,511.59	1/2	1,899.61	1/2	2,287.62	1/2	2,675.63	1/2	3,063.64	1/2	3,451.65	1/2	3,839.61
3/4	356.03	3/4	743.74	3/4	1,131.66	3/4	1,519.68	3/4	1,907.69	3/4	2,295.70	3/4	2,683.71	3/4	3,071.73	3/4	3,459.74	3/4	3,847.69
11	364.11	11	751.82	11	1,139.75	11	1,527.76	11	1,915.77	11	2,303.79	11	2,691.80	11	3,079.81	11	3,467.82	11	3,855.77
1/4	372.19	1/4	759.89	1/4	1,147.83	1/4	1,535.84	1/4	1,923.86	1/4	2,311.87	1/4	2,699.88	1/4	3,087.89	1/4	3,475.90	1/4	3,863.86
1/2	380.27	1/2	767.96	1/2	1,155.91	1/2	1,543.93	1/2	1,931.94	1/2	2,319.95	1/2	2,707.97	1/2	3,095.98	1/2	3,483.98	1/2	3,871.94
3/4	388.36	3/4	776.04	3/4	1,164.00	3/4	1,552.01	3/4	1,940.02	3/4	2,328.04	3/4	2,716.05	3/4	3,104.06	3/4	3,492.07	3/4	3,880.02

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 42'-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 376"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 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	3,888.10	0	4,276.06	0	4,664.01	0	5,051.03	0		0		0		0		0		0	
1/4	3,896.19	1/4	4,284.14	1/4	4,672.10	1/4	5,059.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,904.27	1/2	4,292.22	1/2	4,680.18	1/2	5,067.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,912.35	3/4	4,300.31	3/4	4,688.26	3/4	5,075.13	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,920.43	1	4,308.39	1	4,696.34	1	5,083.17	1		1		1		1		1		1	
1/4	3,928.52	1/4	4,316.47	1/4	4,704.43	1/4	5,091.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,936.60	1/2	4,324.55	1/2	4,712.51	1/2	5,099.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,944.68	3/4	4,332.64	3/4	4,720.59	3/4	5,107.27	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,952.76	2	4,340.72	2	4,728.67	2	5,115.31	2		2		2		2		2		2	
1/4	3,960.85	1/4	4,348.80	1/4	4,736.76	1/4	5,123.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,968.93	1/2	4,356.88	1/2	4,744.84	1/2	5,131.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,977.01	3/4	4,364.97	3/4	4,752.92	3/4	5,139.42	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,985.09	3	4,373.05	3	4,761.00	3	5,147.45	3		3		3		3		3		3	
1/4	3,993.18	1/4	4,381.13	1/4	4,769.09	1/4	5,155.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,001.26	1/2	4,389.21	1/2	4,777.17	1/2	5,163.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,009.34	3/4	4,397.30	3/4	4,785.25	3/4	5,171.56	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,017.42	4	4,405.38	4	4,793.33	4	5,179.59	4		4		4		4		4		4	
1/4	4,025.50	1/4	4,413.46	1/4	4,801.42	1/4	5,187.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,033.59	1/2	4,421.54	1/2	4,809.50	1/2	5,195.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,041.67	3/4	4,429.62	3/4	4,817.58	3/4	5,203.70	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,049.75	5	4,437.71	5	4,825.66	5	5,211.73	5		5		5		5		5		5	
1/4	4,057.83	1/4	4,445.79	1/4	4,833.74	1/4	5,219.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,065.92	1/2	4,453.87	1/2	4,841.83	1/2	5,227.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,074.00	3/4	4,461.95	3/4	4,849.91	3/4	5,235.84	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,082.08	6	4,470.04	6	4,857.99	6	5,243.87	6		6		6		6		6		6	
1/4	4,090.16	1/4	4,478.12	1/4	4,866.07	1/4	5,251.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,098.25	1/2	4,486.20	1/2	4,874.16	1/2	5,259.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,106.33	3/4	4,494.28	3/4	4,882.24	3/4	5,267.98	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,114.41	7	4,502.37	7	4,890.32	7	5,276.02	7		7		7		7		7		7	
1/4	4,122.49	1/4	4,510.45	1/4	4,898.36	1/4	5,283.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,130.58	1/2	4,518.53	1/2	4,906.39	1/2	5,291.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,138.66	3/4	4,526.61	3/4	4,914.43	3/4	5,299.86	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,146.74	8	4,534.70	8	4,922.46	8	5,307.81	8		8		8		8		8		8	
1/4	4,154.82	1/4	4,542.78	1/4	4,930.50	1/4	5,315.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,162.91	1/2	4,550.86	1/2	4,938.53	1/2	5,322.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,170.99	3/4	4,558.94	3/4	4,946.57	3/4	5,330.43	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,179.07	9	4,567.03	9	4,954.60	9	5,337.96	9		9		9		9		9		9	
1/4	4,187.15	1/4	4,575.11	1/4	4,962.64	1/4	5,344.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,195.24	1/2	4,583.19	1/2	4,970.67	1/2	5,350.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,203.32	3/4	4,591.27	3/4	4,978.71	3/4	5,356.30	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,211.40	10	4,599.36	10	4,986.75	10		10		10		10		10		10		10	
1/4	4,219.48	1/4	4,607.44	1/4	4,994.78	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,227.56	1/2	4,615.52	1/2	5,002.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,235.65	3/4	4,623.60	3/4	5,010.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,243.73	11	4,631.68	11	5,018.89	11		11		11		11		11		11		11	
1/4	4,251.81	1/4	4,639.77	1/4	5,026.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,259.89	1/2	4,647.85	1/2	5,034.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,267.98	3/4	4,655.93	3/4	5,042.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2012 CL - SW  
CALCULATED: 05/18/2012 CL  
PRINTED: 05/18/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2012

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



# BARGE "EMS 376"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09"

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	17.60	0	369.46	0	721.70	0	1,078.29	0	1,439.64	0	1,800.80	0	2,161.43	0	2,522.95	0	2,884.46	0	3,245.61
1/4	22.98	1/4	377.00	1/4	728.94	1/4	1,085.82	1/4	1,447.17	1/4	1,808.31	1/4	2,168.97	1/4	2,530.48	1/4	2,891.98	1/4	3,253.15
1/2	28.36	1/2	384.53	1/2	736.18	1/2	1,093.34	1/2	1,454.70	1/2	1,815.82	1/2	2,176.50	1/2	2,538.01	1/2	2,899.51	1/2	3,260.68
3/4	33.74	3/4	392.06	3/4	743.43	3/4	1,100.87	3/4	1,462.23	3/4	1,823.32	3/4	2,184.03	3/4	2,545.54	3/4	2,907.03	3/4	3,268.21
1	39.11	1	399.59	1	750.67	1	1,108.40	1	1,469.75	1	1,830.83	1	2,191.56	1	2,553.07	1	2,914.56	1	3,275.74
1/4	46.38	1/4	407.13	1/4	757.92	1/4	1,115.93	1/4	1,477.28	1/4	1,838.34	1/4	2,199.09	1/4	2,560.60	1/4	2,922.08	1/4	3,283.27
1/2	53.64	1/2	414.66	1/2	765.17	1/2	1,123.46	1/2	1,484.81	1/2	1,845.85	1/2	2,206.62	1/2	2,568.14	1/2	2,929.60	1/2	3,290.80
3/4	60.90	3/4	422.19	3/4	772.42	3/4	1,130.99	3/4	1,492.34	3/4	1,853.36	3/4	2,214.16	3/4	2,575.67	3/4	2,937.13	3/4	3,298.33
2	68.17	2	429.72	2	779.67	2	1,138.51	2	1,499.87	2	1,860.87	2	2,221.69	2	2,583.20	2	2,944.65	2	3,305.86
1/4	75.70	1/4	437.26	1/4	786.91	1/4	1,146.04	1/4	1,507.40	1/4	1,868.37	1/4	2,229.22	1/4	2,590.73	1/4	2,952.18	1/4	3,313.39
1/2	83.23	1/2	444.79	1/2	794.16	1/2	1,153.57	1/2	1,514.92	1/2	1,875.88	1/2	2,236.75	1/2	2,598.26	1/2	2,959.70	1/2	3,320.92
3/4	90.77	3/4	452.32	3/4	801.40	3/4	1,161.10	3/4	1,522.45	3/4	1,883.39	3/4	2,244.28	3/4	2,605.79	3/4	2,967.23	3/4	3,328.45
3	98.30	3	459.85	3	808.64	3	1,168.63	3	1,529.98	3	1,890.90	3	2,251.81	3	2,613.32	3	2,974.75	3	3,335.98
1/4	105.83	1/4	467.39	1/4	815.88	1/4	1,176.16	1/4	1,537.51	1/4	1,898.41	1/4	2,259.34	1/4	2,620.86	1/4	2,982.27	1/4	3,343.51
1/2	113.36	1/2	474.92	1/2	823.12	1/2	1,183.68	1/2	1,545.04	1/2	1,905.92	1/2	2,266.88	1/2	2,628.39	1/2	2,989.80	1/2	3,351.04
3/4	120.89	3/4	482.45	3/4	830.36	3/4	1,191.21	3/4	1,552.57	3/4	1,913.43	3/4	2,274.41	3/4	2,635.92	3/4	2,997.32	3/4	3,358.58
4	128.43	4	489.98	4	837.60	4	1,198.74	4	1,560.09	4	1,920.93	4	2,281.94	4	2,643.45	4	3,004.85	4	3,366.11
1/4	135.96	1/4	497.23	1/4	845.12	1/4	1,206.27	1/4	1,567.62	1/4	1,928.44	1/4	2,289.47	1/4	2,650.98	1/4	3,012.37	1/4	3,373.64
1/2	143.49	1/2	504.48	1/2	852.64	1/2	1,213.80	1/2	1,575.15	1/2	1,935.95	1/2	2,297.00	1/2	2,658.51	1/2	3,019.89	1/2	3,381.17
3/4	151.02	3/4	511.73	3/4	860.16	3/4	1,221.32	3/4	1,582.68	3/4	1,943.46	3/4	2,304.53	3/4	2,666.05	3/4	3,027.42	3/4	3,388.70
5	158.56	5	518.98	5	867.68	5	1,228.85	5	1,590.21	5	1,950.97	5	2,312.06	5	2,673.58	5	3,034.94	5	3,396.23
1/4	166.09	1/4	526.22	1/4	875.20	1/4	1,236.38	1/4	1,597.73	1/4	1,958.48	1/4	2,319.60	1/4	2,681.11	1/4	3,042.47	1/4	3,403.76
1/2	173.62	1/2	533.47	1/2	882.72	1/2	1,243.91	1/2	1,605.26	1/2	1,965.99	1/2	2,327.13	1/2	2,688.64	1/2	3,049.99	1/2	3,411.29
3/4	181.15	3/4	540.71	3/4	890.24	3/4	1,251.44	3/4	1,612.79	3/4	1,973.49	3/4	2,334.66	3/4	2,696.17	3/4	3,057.52	3/4	3,418.82
6	188.69	6	547.95	6	897.76	6	1,258.97	6	1,620.32	6	1,981.00	6	2,342.19	6	2,703.70	6	3,065.04	6	3,426.35
1/4	196.22	1/4	555.19	1/4	905.27	1/4	1,266.49	1/4	1,627.85	1/4	1,988.51	1/4	2,349.72	1/4	2,711.23	1/4	3,072.56	1/4	3,433.88
1/2	203.75	1/2	562.43	1/2	912.79	1/2	1,274.02	1/2	1,635.38	1/2	1,996.02	1/2	2,357.25	1/2	2,718.77	1/2	3,080.09	1/2	3,441.41
3/4	211.28	3/4	569.67	3/4	920.31	3/4	1,281.55	3/4	1,642.90	3/4	2,003.53	3/4	2,364.79	3/4	2,726.30	3/4	3,087.61	3/4	3,448.94
7	218.82	7	576.91	7	927.83	7	1,289.08	7	1,650.43	7	2,011.04	7	2,372.32	7	2,733.83	7	3,095.14	7	3,456.47
1/4	226.35	1/4	584.15	1/4	935.35	1/4	1,296.61	1/4	1,657.96	1/4	2,018.54	1/4	2,379.85	1/4	2,741.36	1/4	3,102.66	1/4	3,464.00
1/2	233.88	1/2	591.40	1/2	942.87	1/2	1,304.13	1/2	1,665.49	1/2	2,026.05	1/2	2,387.38	1/2	2,748.89	1/2	3,110.18	1/2	3,471.53
3/4	241.41	3/4	598.64	3/4	950.39	3/4	1,311.66	3/4	1,673.02	3/4	2,033.56	3/4	2,394.91	3/4	2,756.42	3/4	3,117.71	3/4	3,479.06
8	248.95	8	605.88	8	957.91	8	1,319.19	8	1,680.54	8	2,041.07	8	2,402.44	8	2,763.95	8	3,125.23	8	3,486.59
1/4	256.48	1/4	613.11	1/4	965.43	1/4	1,326.72	1/4	1,688.07	1/4	2,048.58	1/4	2,409.97	1/4	2,771.49	1/4	3,132.76	1/4	3,494.12
1/2	264.01	1/2	620.35	1/2	972.95	1/2	1,334.25	1/2	1,695.60	1/2	2,056.09	1/2	2,417.51	1/2	2,779.02	1/2	3,140.28	1/2	3,501.65
3/4	271.54	3/4	627.59	3/4	980.47	3/4	1,341.78	3/4	1,703.13	3/4	2,063.60	3/4	2,425.04	3/4	2,786.55	3/4	3,147.81	3/4	3,509.18
9	279.08	9	634.82	9	987.99	9	1,349.30	9	1,710.66	9	2,071.10	9	2,432.57	9	2,794.08	9	3,155.33	9	3,516.71
1/4	286.61	1/4	642.06	1/4	995.51	1/4	1,356.83	1/4	1,718.18	1/4	2,078.62	1/4	2,440.10	1/4	2,801.61	1/4	3,162.85	1/4	3,524.24
1/2	294.14	1/2	649.30	1/2	1,003.02	1/2	1,364.36	1/2	1,725.69	1/2	2,086.14	1/2	2,447.63	1/2	2,809.14	1/2	3,170.38	1/2	3,531.77
3/4	301.67	3/4	656.54	3/4	1,010.54	3/4	1,371.89	3/4	1,733.21	3/4	2,093.66	3/4	2,455.16	3/4	2,816.68	3/4	3,177.91	3/4	3,539.30
10	309.20	10	663.77	10	1,018.06	10	1,379.42	10	1,740.73	10	2,101.18	10	2,462.69	10	2,824.21	10	3,185.43	10	3,546.83
1/4	316.74	1/4	671.01	1/4	1,025.59	1/4	1,386.94	1/4	1,748.24	1/4	2,108.71	1/4	2,470.23	1/4	2,831.74	1/4	3,192.95	1/4	3,554.36
1/2	324.27	1/2	678.25	1/2	1,033.12	1/2	1,394.47	1/2	1,755.75	1/2	2,116.25	1/2	2,477.76	1/2	2,839.27	1/2	3,200.47	1/2	3,561.89
3/4	331.80	3/4	685.50	3/4	1,040.65	3/4	1,402.00	3/4	1,763.26	3/4	2,123.78	3/4	2,485.29	3/4	2,846.80	3/4	3,208.00	3/4	3,569.42
11	339.33	11	692.74	11	1,048.18	11	1,409.53	11	1,770.76	11	2,131.31	11	2,492.82	11	2,854.33	11	3,215.52	11	3,576.95
1/4	346.87	1/4	699.98	1/4	1,055.70	1/4	1,417.06	1/4	1,778.27	1/4	2,138.84	1/4	2,500.35	1/4	2,861.86	1/4	3,223.04	1/4	3,584.48
1/2	354.40	1/2	707.22	1/2	1,063.23	1/2	1,424.59	1/2	1,785.78	1/2	2,146.37	1/2	2,507.88	1/2	2,869.40	1/2	3,230.57	1/2	3,592.01
3/4	361.93	3/4	714.46	3/4	1,070.76	3/4	1,432.11	3/4	1,793.29	3/4	2,153.90	3/4	2,515.42	3/4	2,876.93	3/4	3,238.09	3/4	3,599.54

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 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "EMS 376"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09"

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	3,575.04	0	3,881.58	0	4,188.12	0	4,493.93	0		0		0		0		0		0	
1/4	3,581.43	1/4	3,887.97	1/4	4,194.50	1/4	4,500.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,587.81	1/2	3,894.35	1/2	4,200.89	1/2	4,506.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,594.20	3/4	3,900.74	3/4	4,207.28	3/4	4,512.98	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,600.59	1	3,907.12	1	4,213.66	1	4,519.33	1		1		1		1		1		1	
1/4	3,606.97	1/4	3,913.51	1/4	4,220.05	1/4	4,525.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,613.36	1/2	3,919.90	1/2	4,226.43	1/2	4,532.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,619.75	3/4	3,926.28	3/4	4,232.82	3/4	4,538.38	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,626.13	2	3,932.67	2	4,239.21	2	4,544.73	2		2		2		2		2		2	
1/4	3,632.52	1/4	3,939.06	1/4	4,245.59	1/4	4,551.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,638.90	1/2	3,945.44	1/2	4,251.98	1/2	4,557.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,645.29	3/4	3,951.83	3/4	4,258.37	3/4	4,563.78	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,651.68	3	3,958.21	3	4,264.75	3	4,570.13	3		3		3		3		3		3	
1/4	3,658.06	1/4	3,964.60	1/4	4,271.14	1/4	4,576.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,664.45	1/2	3,970.99	1/2	4,277.52	1/2	4,582.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,670.84	3/4	3,977.37	3/4	4,283.91	3/4	4,589.18	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,677.22	4	3,983.76	4	4,290.30	4	4,595.53	4		4		4		4		4		4	
1/4	3,683.61	1/4	3,990.15	1/4	4,296.68	1/4	4,601.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,689.99	1/2	3,996.53	1/2	4,303.07	1/2	4,608.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,696.38	3/4	4,002.92	3/4	4,309.46	3/4	4,614.58	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,702.77	5	4,009.30	5	4,315.84	5	4,620.93	5		5		5		5		5		5	
1/4	3,709.15	1/4	4,015.69	1/4	4,322.23	1/4	4,627.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,715.54	1/2	4,022.08	1/2	4,328.61	1/2	4,633.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,721.93	3/4	4,028.46	3/4	4,335.00	3/4	4,639.98	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,728.31	6	4,034.85	6	4,341.39	6	4,646.33	6		6		6		6		6		6	
1/4	3,734.70	1/4	4,041.24	1/4	4,347.77	1/4	4,652.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,741.08	1/2	4,047.62	1/2	4,354.16	1/2	4,659.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,747.47	3/4	4,054.01	3/4	4,360.55	3/4	4,665.38	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,753.86	7	4,060.39	7	4,366.93	7	4,671.73	7		7		7		7		7		7	
1/4	3,760.24	1/4	4,066.78	1/4	4,373.28	1/4	4,679.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,766.63	1/2	4,073.17	1/2	4,379.63	1/2	4,686.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,773.01	3/4	4,079.55	3/4	4,385.98	3/4	4,693.95	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,779.40	8	4,085.94	8	4,392.33	8	4,701.36	8		8		8		8		8		8	
1/4	3,785.79	1/4	4,092.32	1/4	4,398.68	1/4	4,708.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,792.17	1/2	4,098.71	1/2	4,405.03	1/2	4,715.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,798.56	3/4	4,105.10	3/4	4,411.38	3/4	4,722.43	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,804.95	9	4,111.48	9	4,417.73	9	4,729.45	9		9		9		9		9		9	
1/4	3,811.33	1/4	4,117.87	1/4	4,424.08	1/4	4,735.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,817.72	1/2	4,124.26	1/2	4,430.43	1/2	4,740.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,824.10	3/4	4,130.64	3/4	4,436.78	3/4	4,746.54	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,830.49	10	4,137.03	10	4,443.13	10		10		10		10		10		10		10	
1/4	3,836.88	1/4	4,143.41	1/4	4,449.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,843.26	1/2	4,149.80	1/2	4,455.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,849.65	3/4	4,156.19	3/4	4,462.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,856.04	11	4,162.57	11	4,468.53	11		11		11		11		11		11		11	
1/4	3,862.42	1/4	4,168.96	1/4	4,474.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,868.81	1/2	4,175.35	1/2	4,481.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,875.19	3/4	4,181.73	3/4	4,487.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2012 CL - SW  
CALCULATED: 05/18/2012 CL  
PRINTED: 05/18/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2012

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



# BARGE "EMS 376"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.59	0	368.77	0	722.07	0	1,079.17	0	1,439.87	0	1,799.82	0	2,157.74	0	2,518.30	0	2,879.04	0	3,239.46
1/4	22.97	1/4	376.29	1/4	729.35	1/4	1,086.69	1/4	1,447.38	1/4	1,807.26	1/4	2,165.26	1/4	2,525.80	1/4	2,886.55	1/4	3,246.98
1/2	28.34	1/2	383.81	1/2	736.64	1/2	1,094.20	1/2	1,454.90	1/2	1,814.70	1/2	2,172.78	1/2	2,533.31	1/2	2,894.06	1/2	3,254.49
3/4	33.72	3/4	391.32	3/4	743.92	3/4	1,101.72	3/4	1,462.41	3/4	1,822.14	3/4	2,180.29	3/4	2,540.82	3/4	2,901.57	3/4	3,262.01
1	39.10	1	398.84	1	751.20	1	1,109.23	1	1,469.93	1	1,829.58	1	2,187.81	1	2,548.32	1	2,909.08	1	3,269.52
1/4	46.34	1/4	406.36	1/4	758.49	1/4	1,116.75	1/4	1,477.44	1/4	1,837.02	1/4	2,195.33	1/4	2,555.84	1/4	2,916.59	1/4	3,277.04
1/2	53.59	1/2	413.88	1/2	765.78	1/2	1,124.26	1/2	1,484.96	1/2	1,844.46	1/2	2,202.85	1/2	2,563.36	1/2	2,924.10	1/2	3,284.55
3/4	60.84	3/4	421.39	3/4	773.08	3/4	1,131.77	3/4	1,492.47	3/4	1,851.90	3/4	2,210.37	3/4	2,570.87	3/4	2,931.60	3/4	3,292.07
2	68.09	2	428.91	2	780.37	2	1,139.29	2	1,499.98	2	1,859.34	2	2,217.88	2	2,578.39	2	2,939.11	2	3,299.59
1/4	75.61	1/4	436.43	1/4	787.66	1/4	1,146.80	1/4	1,507.50	1/4	1,866.78	1/4	2,225.40	1/4	2,585.91	1/4	2,946.62	1/4	3,307.10
1/2	83.12	1/2	443.94	1/2	794.95	1/2	1,154.32	1/2	1,515.01	1/2	1,874.22	1/2	2,232.92	1/2	2,593.42	1/2	2,954.13	1/2	3,314.62
3/4	90.64	3/4	451.46	3/4	802.25	3/4	1,161.83	3/4	1,522.53	3/4	1,881.67	3/4	2,240.44	3/4	2,600.94	3/4	2,961.64	3/4	3,322.13
3	98.16	3	458.98	3	809.54	3	1,169.35	3	1,530.04	3	1,889.11	3	2,247.95	3	2,608.45	3	2,969.15	3	3,329.65
1/4	105.67	1/4	466.49	1/4	816.83	1/4	1,176.86	1/4	1,537.56	1/4	1,896.55	1/4	2,255.47	1/4	2,615.97	1/4	2,976.66	1/4	3,337.16
1/2	113.19	1/2	474.01	1/2	824.12	1/2	1,184.38	1/2	1,545.07	1/2	1,903.99	1/2	2,262.99	1/2	2,623.49	1/2	2,984.17	1/2	3,344.68
3/4	120.71	3/4	481.53	3/4	831.42	3/4	1,191.89	3/4	1,552.59	3/4	1,911.43	3/4	2,270.51	3/4	2,631.00	3/4	2,991.68	3/4	3,352.19
4	128.23	4	489.05	4	838.71	4	1,199.40	4	1,560.10	4	1,918.87	4	2,278.03	4	2,638.52	4	2,999.18	4	3,359.71
1/4	135.74	1/4	496.34	1/4	846.22	1/4	1,206.92	1/4	1,567.62	1/4	1,926.31	1/4	2,285.54	1/4	2,646.04	1/4	3,006.69	1/4	3,367.22
1/2	143.26	1/2	503.63	1/2	853.74	1/2	1,214.43	1/2	1,575.13	1/2	1,933.75	1/2	2,293.06	1/2	2,653.55	1/2	3,014.20	1/2	3,374.74
3/4	150.78	3/4	510.92	3/4	861.25	3/4	1,221.95	3/4	1,582.64	3/4	1,941.19	3/4	2,300.58	3/4	2,661.07	3/4	3,021.71	3/4	3,382.26
5	158.29	5	518.21	5	868.77	5	1,229.46	5	1,590.16	5	1,948.63	5	2,308.10	5	2,668.59	5	3,029.22	5	3,389.77
1/4	165.81	1/4	525.49	1/4	876.28	1/4	1,236.98	1/4	1,597.67	1/4	1,956.07	1/4	2,315.60	1/4	2,676.10	1/4	3,036.73	1/4	3,396.15
1/2	173.33	1/2	532.78	1/2	883.80	1/2	1,244.49	1/2	1,605.19	1/2	1,963.51	1/2	2,323.11	1/2	2,683.62	1/2	3,044.24	1/2	3,402.54
3/4	180.85	3/4	540.06	3/4	891.31	3/4	1,252.01	3/4	1,612.70	3/4	1,970.95	3/4	2,330.62	3/4	2,691.13	3/4	3,051.75	3/4	3,408.92
6	188.36	6	547.34	6	898.82	6	1,259.52	6	1,620.22	6	1,978.39	6	2,338.13	6	2,698.65	6	3,059.26	6	3,415.30
1/4	195.88	1/4	554.62	1/4	906.34	1/4	1,267.04	1/4	1,627.73	1/4	1,985.83	1/4	2,345.63	1/4	2,706.17	1/4	3,066.76	1/4	3,421.69
1/2	203.40	1/2	561.90	1/2	913.85	1/2	1,274.55	1/2	1,635.25	1/2	1,993.28	1/2	2,353.14	1/2	2,713.68	1/2	3,074.27	1/2	3,428.07
3/4	210.91	3/4	569.19	3/4	921.37	3/4	1,282.06	3/4	1,642.76	3/4	2,000.72	3/4	2,360.65	3/4	2,721.20	3/4	3,081.78	3/4	3,434.45
7	218.43	7	576.47	7	928.88	7	1,289.58	7	1,650.27	7	2,008.16	7	2,368.15	7	2,728.72	7	3,089.29	7	3,440.83
1/4	225.95	1/4	583.75	1/4	936.40	1/4	1,297.09	1/4	1,657.79	1/4	2,015.60	1/4	2,375.66	1/4	2,736.23	1/4	3,096.80	1/4	3,447.22
1/2	233.46	1/2	591.03	1/2	943.91	1/2	1,304.61	1/2	1,665.30	1/2	2,023.04	1/2	2,383.17	1/2	2,743.75	1/2	3,104.31	1/2	3,453.60
3/4	240.98	3/4	598.31	3/4	951.43	3/4	1,312.12	3/4	1,672.82	3/4	2,030.48	3/4	2,390.68	3/4	2,751.26	3/4	3,111.82	3/4	3,459.98
8	248.50	8	605.60	8	958.94	8	1,319.64	8	1,680.33	8	2,037.92	8	2,398.18	8	2,758.78	8	3,119.33	8	3,466.37
1/4	256.02	1/4	612.87	1/4	966.46	1/4	1,327.15	1/4	1,687.85	1/4	2,045.36	1/4	2,405.69	1/4	2,766.30	1/4	3,126.84	1/4	3,472.75
1/2	263.53	1/2	620.15	1/2	973.97	1/2	1,334.67	1/2	1,695.36	1/2	2,052.80	1/2	2,413.20	1/2	2,773.81	1/2	3,134.34	1/2	3,479.13
3/4	271.05	3/4	627.43	3/4	981.48	3/4	1,342.18	3/4	1,702.88	3/4	2,060.24	3/4	2,420.70	3/4	2,781.33	3/4	3,141.85	3/4	3,485.52
9	278.57	9	634.71	9	989.00	9	1,349.69	9	1,710.39	9	2,067.68	9	2,428.21	9	2,788.85	9	3,149.36	9	3,491.90
1/4	286.08	1/4	641.98	1/4	996.51	1/4	1,357.21	1/4	1,717.87	1/4	2,075.16	1/4	2,435.72	1/4	2,796.36	1/4	3,156.87	1/4	3,498.28
1/2	293.60	1/2	649.26	1/2	1,004.03	1/2	1,364.72	1/2	1,725.34	1/2	2,082.64	1/2	2,443.23	1/2	2,803.88	1/2	3,164.38	1/2	3,504.66
3/4	301.12	3/4	656.54	3/4	1,011.54	3/4	1,372.24	3/4	1,732.82	3/4	2,090.12	3/4	2,450.73	3/4	2,811.40	3/4	3,171.89	3/4	3,511.05
10	308.64	10	663.82	10	1,019.06	10	1,379.75	10	1,740.29	10	2,097.60	10	2,458.24	10	2,818.91	10	3,179.40	10	3,517.43
1/4	316.15	1/4	671.10	1/4	1,026.57	1/4	1,387.27	1/4	1,747.73	1/4	2,105.12	1/4	2,465.75	1/4	2,826.43	1/4	3,186.91	1/4	3,523.81
1/2	323.67	1/2	678.38	1/2	1,034.09	1/2	1,394.78	1/2	1,755.17	1/2	2,112.63	1/2	2,473.25	1/2	2,833.94	1/2	3,194.41	1/2	3,530.20
3/4	331.19	3/4	685.66	3/4	1,041.60	3/4	1,402.30	3/4	1,762.61	3/4	2,120.15	3/4	2,480.76	3/4	2,841.46	3/4	3,201.92	3/4	3,536.58
11	338.70	11	692.94	11	1,049.11	11	1,409.81	11	1,770.05	11	2,127.67	11	2,488.27	11	2,848.98	11	3,209.43	11	3,542.96
1/4	346.22	1/4	700.23	1/4	1,056.63	1/4	1,417.33	1/4	1,777.50	1/4	2,135.19	1/4	2,495.77	1/4	2,856.49	1/4	3,216.94	1/4	3,549.35
1/2	353.74	1/2	707.51	1/2	1,064.14	1/2	1,424.84	1/2	1,784.94	1/2	2,142.71	1/2	2,503.28	1/2	2,864.01	1/2	3,224.45	1/2	3,555.73
3/4	361.26	3/4	714.79	3/4	1,071.66	3/4	1,432.35	3/4	1,792.38	3/4	2,150.22	3/4	2,510.79	3/4	2,871.53	3/4	3,231.95	3/4	3,562.11

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 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "EMS 376"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,568.49	0	3,874.88	0	4,181.26	0	4,486.92	0		0		0		0		0		0	
1/4	3,574.88	1/4	3,881.26	1/4	4,187.65	1/4	4,493.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,581.26	1/2	3,887.64	1/2	4,194.03	1/2	4,499.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,587.64	3/4	3,894.03	3/4	4,200.41	3/4	4,505.96	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,594.03	1	3,900.41	1	4,206.79	1	4,512.31	1		1		1		1		1		1	
1/4	3,600.41	1/4	3,906.79	1/4	4,213.18	1/4	4,518.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,606.79	1/2	3,913.18	1/2	4,219.56	1/2	4,525.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,613.18	3/4	3,919.56	3/4	4,225.94	3/4	4,531.35	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,619.56	2	3,925.94	2	4,232.33	2	4,537.69	2		2		2		2		2		2	
1/4	3,625.94	1/4	3,932.33	1/4	4,238.71	1/4	4,544.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,632.32	1/2	3,938.71	1/2	4,245.09	1/2	4,550.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,638.71	3/4	3,945.09	3/4	4,251.48	3/4	4,556.73	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,645.09	3	3,951.47	3	4,257.86	3	4,563.08	3		3		3		3		3		3	
1/4	3,651.47	1/4	3,957.86	1/4	4,264.24	1/4	4,569.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,657.86	1/2	3,964.24	1/2	4,270.62	1/2	4,575.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,664.24	3/4	3,970.62	3/4	4,277.01	3/4	4,582.12	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,670.62	4	3,977.01	4	4,283.39	4	4,588.47	4		4		4		4		4		4	
1/4	3,677.01	1/4	3,983.39	1/4	4,289.77	1/4	4,594.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,683.39	1/2	3,989.77	1/2	4,296.16	1/2	4,601.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,689.77	3/4	3,996.16	3/4	4,302.54	3/4	4,607.51	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,696.15	5	4,002.54	5	4,308.92	5	4,613.85	5		5		5		5		5		5	
1/4	3,702.54	1/4	4,008.92	1/4	4,315.31	1/4	4,620.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,708.92	1/2	4,015.30	1/2	4,321.69	1/2	4,626.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.30	3/4	4,021.69	3/4	4,328.07	3/4	4,632.89	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,721.69	6	4,028.07	6	4,334.45	6	4,639.24	6		6		6		6		6		6	
1/4	3,728.07	1/4	4,034.45	1/4	4,340.84	1/4	4,645.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,734.45	1/2	4,040.84	1/2	4,347.22	1/2	4,651.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,740.84	3/4	4,047.22	3/4	4,353.60	3/4	4,658.28	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,747.22	7	4,053.60	7	4,359.99	7	4,664.63	7		7		7		7		7		7	
1/4	3,753.60	1/4	4,059.99	1/4	4,366.33	1/4	4,672.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,759.98	1/2	4,066.37	1/2	4,372.68	1/2	4,679.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,766.37	3/4	4,072.75	3/4	4,379.03	3/4	4,686.84	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,772.75	8	4,079.13	8	4,385.37	8	4,694.24	8		8		8		8		8		8	
1/4	3,779.13	1/4	4,085.52	1/4	4,391.72	1/4	4,701.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,785.52	1/2	4,091.90	1/2	4,398.07	1/2	4,708.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,791.90	3/4	4,098.28	3/4	4,404.41	3/4	4,715.30	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,798.28	9	4,104.67	9	4,410.76	9	4,722.32	9		9		9		9		9		9	
1/4	3,804.67	1/4	4,111.05	1/4	4,417.11	1/4	4,728.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,811.05	1/2	4,117.43	1/2	4,423.45	1/2	4,733.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,817.43	3/4	4,123.82	3/4	4,429.80	3/4	4,739.40	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,823.81	10	4,130.20	10	4,436.15	10		10		10		10		10		10		10	
1/4	3,830.20	1/4	4,136.58	1/4	4,442.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,836.58	1/2	4,142.96	1/2	4,448.84	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,842.96	3/4	4,149.35	3/4	4,455.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,849.35	11	4,155.73	11	4,461.53	11		11		11		11		11		11		11	
1/4	3,855.73	1/4	4,162.11	1/4	4,467.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,862.11	1/2	4,168.50	1/2	4,474.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,868.50	3/4	4,174.88	3/4	4,480.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 05/18/2012 CL - SW  
CALCULATED: 05/18/2012 CL  
PRINTED: 05/18/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2012

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 376"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
1 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
2 PORT	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4
2 STBD	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4
3 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-1/2	- 02-1/2
3 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-1/2	- 02-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-00"

May 18, 2012

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "EMS 376"

## 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	4,259.20	0	3,929.15	0	3,597.60	0	3,266.06	0	2,934.51	0	2,602.94	0	2,271.35
1/4		1/4		1/4		1/4	4,252.33	1/4	3,922.24	1/4	3,590.69	1/4	3,259.15	1/4	2,927.60	1/4	2,596.04	1/4	2,264.45
1/2		1/2		1/2		1/2	4,245.47	1/2	3,915.33	1/2	3,583.79	1/2	3,252.24	1/2	2,920.70	1/2	2,589.13	1/2	2,257.54
3/4		3/4		3/4		3/4	4,238.60	3/4	3,908.42	3/4	3,576.88	3/4	3,245.33	3/4	2,913.79	3/4	2,582.22	3/4	2,250.63
1		1		1		1	4,231.73	1	3,901.52	1	3,569.97	1	3,238.43	1	2,906.88	1	2,575.31	1	2,243.72
1/4		1/4		1/4		1/4	4,224.87	1/4	3,894.61	1/4	3,563.06	1/4	3,231.52	1/4	2,899.97	1/4	2,568.40	1/4	2,236.81
1/2		1/2		1/2		1/2	4,218.00	1/2	3,887.70	1/2	3,556.16	1/2	3,224.61	1/2	2,893.07	1/2	2,561.49	1/2	2,229.91
3/4		3/4		3/4		3/4	4,211.13	3/4	3,880.80	3/4	3,549.25	3/4	3,217.70	3/4	2,886.16	3/4	2,554.59	3/4	2,223.00
2		2		2		2	4,204.27	2	3,873.89	2	3,542.34	2	3,210.80	2	2,879.25	2	2,547.68	2	2,216.09
1/4		1/4		1/4		1/4	4,197.40	1/4	3,866.98	1/4	3,535.44	1/4	3,203.89	1/4	2,872.34	1/4	2,540.77	1/4	2,209.18
1/2		1/2		1/2		1/2	4,190.53	1/2	3,860.07	1/2	3,528.53	1/2	3,196.98	1/2	2,865.44	1/2	2,533.86	1/2	2,202.27
3/4		3/4		3/4		3/4	4,183.67	3/4	3,853.17	3/4	3,521.62	3/4	3,190.08	3/4	2,858.53	3/4	2,526.95	3/4	2,195.37
3		3		3		3	4,176.80	3	3,846.26	3	3,514.71	3	3,183.17	3	2,851.62	3	2,520.05	3	2,188.46
1/4		1/4		1/4		1/4	4,169.93	1/4	3,839.35	1/4	3,507.81	1/4	3,176.26	1/4	2,844.72	1/4	2,513.14	1/4	2,181.55
1/2		1/2		1/2		1/2	4,163.06	1/2	3,832.45	1/2	3,500.90	1/2	3,169.35	1/2	2,837.81	1/2	2,506.23	1/2	2,174.64
3/4		3/4		3/4		3/4	4,156.20	3/4	3,825.54	3/4	3,493.99	3/4	3,162.45	3/4	2,830.90	3/4	2,499.32	3/4	2,167.73
4		4		4		4	4,149.33	4	3,818.63	4	3,487.09	4	3,155.54	4	2,823.99	4	2,492.41	4	2,160.82
1/4		1/4		1/4		1/4	4,142.46	1/4	3,811.72	1/4	3,480.18	1/4	3,148.63	1/4	2,817.09	1/4	2,485.51	1/4	2,153.92
1/2		1/2		1/2		1/2	4,135.60	1/2	3,804.82	1/2	3,473.27	1/2	3,141.73	1/2	2,810.18	1/2	2,478.60	1/2	2,147.01
3/4		3/4		3/4		3/4	4,128.73	3/4	3,797.91	3/4	3,466.36	3/4	3,134.82	3/4	2,803.27	3/4	2,471.69	3/4	2,140.10
5		5		5		5	4,121.86	5	3,791.00	5	3,459.46	5	3,127.91	5	2,796.37	5	2,464.78	5	2,133.19
1/4		1/4		1/4		1/4	4,115.00	1/4	3,784.10	1/4	3,452.55	1/4	3,121.00	1/4	2,789.46	1/4	2,457.87	1/4	2,126.28
1/2		1/2		1/2		1/2	4,108.13	1/2	3,777.19	1/2	3,445.64	1/2	3,114.10	1/2	2,782.55	1/2	2,450.97	1/2	2,119.38
3/4		3/4		3/4		3/4	4,101.26	3/4	3,770.28	3/4	3,438.74	3/4	3,107.19	3/4	2,775.64	3/4	2,444.06	3/4	2,112.47
6		6		6		6	4,094.40	6	3,763.37	6	3,431.83	6	3,100.28	6	2,768.74	6	2,437.15	6	2,105.56
1/4		1/4		1/4		1/4	4,087.53	1/4	3,756.47	1/4	3,424.92	1/4	3,093.38	1/4	2,761.83	1/4	2,430.24	1/4	2,098.65
1/2		1/2		1/2	4,403.35	1/2	4,080.66	1/2	3,749.56	1/2	3,418.01	1/2	3,086.47	1/2	2,754.92	1/2	2,423.33	1/2	2,091.74
3/4		3/4		3/4	4,398.13	3/4	4,073.79	3/4	3,742.65	3/4	3,411.11	3/4	3,079.56	3/4	2,748.01	3/4	2,416.42	3/4	2,084.84
7		7		7	4,392.90	7	4,066.93	7	3,735.74	7	3,404.20	7	3,072.65	7	2,741.11	7	2,409.52	7	2,077.93
1/4		1/4		1/4	4,387.68	1/4	4,060.06	1/4	3,728.84	1/4	3,397.29	1/4	3,065.75	1/4	2,734.20	1/4	2,402.61	1/4	2,071.02
1/2		1/2		1/2	4,381.24	1/2	4,053.19	1/2	3,721.93	1/2	3,390.38	1/2	3,058.84	1/2	2,727.29	1/2	2,395.70	1/2	2,064.11
3/4		3/4		3/4	4,374.79	3/4	4,046.33	3/4	3,715.02	3/4	3,383.48	3/4	3,051.93	3/4	2,720.38	3/4	2,388.79	3/4	2,057.20
8		8		8	4,368.35	8	4,039.46	8	3,708.12	8	3,376.57	8	3,045.02	8	2,713.47	8	2,381.88	8	2,050.30
1/4		1/4		1/4	4,361.91	1/4	4,032.59	1/4	3,701.21	1/4	3,369.66	1/4	3,038.12	1/4	2,706.56	1/4	2,374.98	1/4	2,043.39
1/2		1/2		1/2	4,355.12	1/2	4,025.73	1/2	3,694.30	1/2	3,362.76	1/2	3,031.21	1/2	2,699.66	1/2	2,368.07	1/2	2,036.48
3/4		3/4		3/4	4,348.32	3/4	4,018.86	3/4	3,687.39	3/4	3,355.85	3/4	3,024.30	3/4	2,692.75	3/4	2,361.16	3/4	2,029.57
9		9		9	4,341.53	9	4,011.99	9	3,680.49	9	3,348.94	9	3,017.40	9	2,685.84	9	2,354.25	9	2,022.66
1/4		1/4		1/4	4,334.74	1/4	4,005.13	1/4	3,673.58	1/4	3,342.03	1/4	3,010.49	1/4	2,678.93	1/4	2,347.34	1/4	2,015.75
1/2		1/2		1/2	4,327.87	1/2	3,998.22	1/2	3,666.67	1/2	3,335.13	1/2	3,003.58	1/2	2,672.02	1/2	2,340.44	1/2	2,008.85
3/4		3/4		3/4	4,321.00	3/4	3,991.31	3/4	3,659.77	3/4	3,328.22	3/4	2,996.67	3/4	2,665.12	3/4	2,333.53	3/4	2,001.94
10		10		10	4,314.14	10	3,984.40	10	3,652.86	10	3,321.31	10	2,989.77	10	2,658.21	10	2,326.62	10	1,995.03
1/4		1/4		1/4	4,307.27	1/4	3,977.50	1/4	3,645.95	1/4	3,314.41	1/4	2,982.86	1/4	2,651.30	1/4	2,319.71	1/4	1,988.12
1/2		1/2		1/2	4,300.40	1/2	3,970.59	1/2	3,639.04	1/2	3,307.50	1/2	2,975.95	1/2	2,644.39	1/2	2,312.80	1/2	1,981.21
3/4		3/4		3/4	4,293.54	3/4	3,963.68	3/4	3,632.14	3/4	3,300.59	3/4	2,969.05	3/4	2,637.48	3/4	2,305.90	3/4	1,974.31
11		11		11	4,286.67	11	3,956.78	11	3,625.23	11	3,293.68	11	2,962.14	11	2,630.58	11	2,298.99	11	1,967.40
1/4		1/4		1/4	4,279.80	1/4	3,949.87	1/4	3,618.32	1/4	3,286.78	1/4	2,955.23	1/4	2,623.67	1/4	2,292.08	1/4	1,960.49
1/2		1/2		1/2	4,272.93	1/2	3,942.96	1/2	3,611.42	1/2	3,279.87	1/2	2,948.32	1/2	2,616.76	1/2	2,285.17	1/2	1,953.58
3/4		3/4		3/4	4,266.07	3/4	3,936.05	3/4	3,604.51	3/4	3,272.96	3/4	2,941.42	3/4	2,609.85	3/4	2,278.26	3/4	1,946.67

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

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# BARGE "EMS 376"

## 1 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	1,939.77	0	1,608.18	0	1,276.59	0	949.23	0	642.18	0	353.28	0	84.28	0		0		0	
1/4	1,932.86	1/4	1,601.27	1/4	1,269.68	1/4	942.61	1/4	635.95	1/4	347.46	1/4	78.88	1/4	1/4	1/4		1/4	
1/2	1,925.95	1/2	1,594.36	1/2	1,262.77	1/2	936.02	1/2	629.75	1/2	341.68	1/2	73.50	1/2	1/2	1/2		1/2	
3/4	1,919.04	3/4	1,587.45	3/4	1,255.86	3/4	929.43	3/4	623.55	3/4	335.89	3/4	68.13	3/4	3/4	3/4		3/4	
1	1,912.13	1	1,580.54	1	1,248.96	1	922.84	1	617.35	1	330.11	1	62.76	1	1	1		1	
1/4	1,905.23	1/4	1,573.64	1/4	1,242.05	1/4	916.25	1/4	611.15	1/4	324.32	1/4	57.39	1/4	1/4	1/4		1/4	
1/2	1,898.32	1/2	1,566.73	1/2	1,235.14	1/2	909.71	1/2	604.98	1/2	318.57	1/2	52.05	1/2	1/2	1/2		1/2	
3/4	1,891.41	3/4	1,559.82	3/4	1,228.23	3/4	903.18	3/4	598.82	3/4	312.82	3/4	46.72	3/4	3/4	3/4		3/4	
2	1,884.50	2	1,552.91	2	1,221.32	2	896.64	2	592.65	2	307.07	2	41.38	2	2	2		2	
1/4	1,877.59	1/4	1,546.00	1/4	1,214.42	1/4	890.10	1/4	586.48	1/4	301.32	1/4	36.04	1/4	1/4	1/4		1/4	
1/2	1,870.68	1/2	1,539.10	1/2	1,207.51	1/2	883.60	1/2	580.35	1/2	295.60	1/2	30.99	1/2	1/2	1/2		1/2	
3/4	1,863.78	3/4	1,532.19	3/4	1,200.60	3/4	877.09	3/4	574.22	3/4	289.89	3/4	25.93	3/4	3/4	3/4		3/4	
3	1,856.87	3	1,525.28	3	1,193.69	3	870.59	3	568.09	3	284.17	3	20.88	3	3	3		3	
1/4	1,849.96	1/4	1,518.37	1/4	1,186.78	1/4	864.09	1/4	561.96	1/4	278.45	1/4	15.82	1/4	1/4	1/4		1/4	
1/2	1,843.05	1/2	1,511.46	1/2	1,179.87	1/2	857.62	1/2	555.86	1/2	272.77	1/2	12.53	1/2	1/2	1/2		1/2	
3/4	1,836.14	3/4	1,504.56	3/4	1,172.97	3/4	851.15	3/4	549.77	3/4	267.09	3/4	9.24	3/4	3/4	3/4		3/4	
4	1,829.24	4	1,497.65	4	1,166.06	4	844.68	4	543.67	4	261.41	4	5.94	4	4	4		4	
1/4	1,822.33	1/4	1,490.74	1/4	1,159.15	1/4	838.21	1/4	537.58	1/4	255.72	1/4	2.65	1/4	1/4	1/4		1/4	
1/2	1,815.42	1/2	1,483.83	1/2	1,152.26	1/2	831.78	1/2	531.51	1/2	250.08	1/2		1/2	1/2	1/2		1/2	
3/4	1,808.51	3/4	1,476.92	3/4	1,145.37	3/4	825.35	3/4	525.45	3/4	244.43	3/4		3/4	3/4	3/4		3/4	
5	1,801.60	5	1,470.01	5	1,138.48	5	818.92	5	519.39	5	238.78	5		5	5	5		5	
1/4	1,794.70	1/4	1,463.11	1/4	1,131.59	1/4	812.49	1/4	513.33	1/4	233.14	1/4		1/4	1/4	1/4		1/4	
1/2	1,787.79	1/2	1,456.20	1/2	1,124.73	1/2	806.10	1/2	507.30	1/2	227.52	1/2		1/2	1/2	1/2		1/2	
3/4	1,780.88	3/4	1,449.29	3/4	1,117.87	3/4	799.70	3/4	501.27	3/4	221.91	3/4		3/4	3/4	3/4		3/4	
6	1,773.97	6	1,442.38	6	1,111.02	6	793.31	6	495.25	6	216.30	6		6	6	6		6	
1/4	1,767.06	1/4	1,435.47	1/4	1,104.16	1/4	786.91	1/4	489.22	1/4	210.68	1/4		1/4	1/4	1/4		1/4	
1/2	1,760.16	1/2	1,428.57	1/2	1,097.34	1/2	780.55	1/2	483.23	1/2	205.11	1/2		1/2	1/2	1/2		1/2	
3/4	1,753.25	3/4	1,421.66	3/4	1,090.52	3/4	774.18	3/4	477.23	3/4	199.53	3/4		3/4	3/4	3/4		3/4	
7	1,746.34	7	1,414.75	7	1,083.70	7	767.82	7	471.24	7	193.95	7		7	7	7		7	
1/4	1,739.43	1/4	1,407.84	1/4	1,076.87	1/4	761.45	1/4	465.25	1/4	188.37	1/4		1/4	1/4	1/4		1/4	
1/2	1,732.52	1/2	1,400.93	1/2	1,070.09	1/2	755.12	1/2	459.29	1/2	182.83	1/2		1/2	1/2	1/2		1/2	
3/4	1,725.61	3/4	1,394.03	3/4	1,063.30	3/4	748.79	3/4	453.33	3/4	177.28	3/4		3/4	3/4	3/4		3/4	
8	1,718.71	8	1,387.12	8	1,056.51	8	742.46	8	447.37	8	171.74	8		8	8	8		8	
1/4	1,711.80	1/4	1,380.21	1/4	1,049.73	1/4	736.13	1/4	441.42	1/4	166.20	1/4		1/4	1/4	1/4		1/4	
1/2	1,704.89	1/2	1,373.30	1/2	1,042.97	1/2	729.83	1/2	435.49	1/2	160.69	1/2		1/2	1/2	1/2		1/2	
3/4	1,697.98	3/4	1,366.39	3/4	1,036.22	3/4	723.53	3/4	429.57	3/4	155.18	3/4		3/4	3/4	3/4		3/4	
9	1,691.07	9	1,359.49	9	1,029.47	9	717.24	9	423.64	9	149.67	9		9	9	9		9	
1/4	1,684.17	1/4	1,352.58	1/4	1,022.72	1/4	710.94	1/4	417.72	1/4	144.16	1/4		1/4	1/4	1/4		1/4	
1/2	1,677.26	1/2	1,345.67	1/2	1,016.00	1/2	704.67	1/2	411.83	1/2	138.68	1/2		1/2	1/2	1/2		1/2	
3/4	1,670.35	3/4	1,338.76	3/4	1,009.28	3/4	698.39	3/4	405.94	3/4	133.21	3/4		3/4	3/4	3/4		3/4	
10	1,663.44	10	1,331.85	10	1,002.56	10	692.12	10	400.05	10	127.73	10		10	10	10		10	
1/4	1,656.53	1/4	1,324.94	1/4	995.84	1/4	685.84	1/4	394.16	1/4	122.26	1/4		1/4	1/4	1/4		1/4	
1/2	1,649.63	1/2	1,318.04	1/2	989.16	1/2	679.60	1/2	388.31	1/2	116.82	1/2		1/2	1/2	1/2		1/2	
3/4	1,642.72	3/4	1,311.13	3/4	982.48	3/4	673.36	3/4	382.45	3/4	111.38	3/4		3/4	3/4	3/4		3/4	
11	1,635.81	11	1,304.22	11	975.79	11	667.12	11	376.60	11	105.94	11		11	11	11		11	
1/4	1,628.90	1/4	1,297.31	1/4	969.11	1/4	660.88	1/4	370.75	1/4	100.50	1/4		1/4	1/4	1/4		1/4	
1/2	1,621.99	1/2	1,290.40	1/2	962.48	1/2	654.65	1/2	364.93	1/2	95.09	1/2		1/2	1/2	1/2		1/2	
3/4	1,615.09	3/4	1,283.50	3/4	955.86	3/4	648.41	3/4	359.11	3/4	89.69	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2012 CL - SW  
CALCULATED: 05/18/2012 CL  
PRINTED: 05/18/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2012

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



# BARGE "EMS 376"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,257.12	0	3,926.75	0	3,594.95	0	3,263.14	0	2,931.34	0	2,599.51	0	2,267.66
1/4		1/4		1/4		1/4	4,250.24	1/4	3,919.84	1/4	3,588.04	1/4	3,256.23	1/4	2,924.43	1/4	2,592.60	1/4	2,260.75
1/2		1/2		1/2		1/2	4,243.37	1/2	3,912.93	1/2	3,581.12	1/2	3,249.32	1/2	2,917.51	1/2	2,585.69	1/2	2,253.84
3/4		3/4		3/4		3/4	4,236.50	3/4	3,906.02	3/4	3,574.21	3/4	3,242.41	3/4	2,910.60	3/4	2,578.77	3/4	2,246.92
1		1		1		1	4,229.63	1	3,899.10	1	3,567.30	1	3,235.49	1	2,903.69	1	2,571.86	1	2,240.01
1/4		1/4		1/4		1/4	4,222.75	1/4	3,892.19	1/4	3,560.39	1/4	3,228.58	1/4	2,896.78	1/4	2,564.95	1/4	2,233.10
1/2		1/2		1/2		1/2	4,215.88	1/2	3,885.28	1/2	3,553.47	1/2	3,221.67	1/2	2,889.86	1/2	2,558.03	1/2	2,226.18
3/4		3/4		3/4		3/4	4,209.01	3/4	3,878.37	3/4	3,546.56	3/4	3,214.76	3/4	2,882.95	3/4	2,551.12	3/4	2,219.27
2		2		2		2	4,202.13	2	3,871.45	2	3,539.65	2	3,207.84	2	2,876.04	2	2,544.20	2	2,212.36
1/4		1/4		1/4		1/4	4,195.26	1/4	3,864.54	1/4	3,532.74	1/4	3,200.93	1/4	2,869.13	1/4	2,537.29	1/4	2,205.44
1/2		1/2		1/2		1/2	4,188.39	1/2	3,857.63	1/2	3,525.82	1/2	3,194.02	1/2	2,862.21	1/2	2,530.38	1/2	2,198.53
3/4		3/4		3/4		3/4	4,181.52	3/4	3,850.72	3/4	3,518.91	3/4	3,187.11	3/4	2,855.30	3/4	2,523.46	3/4	2,191.62
3		3		3		3	4,174.64	3	3,843.80	3	3,512.00	3	3,180.19	3	2,848.39	3	2,516.55	3	2,184.70
1/4		1/4		1/4		1/4	4,167.77	1/4	3,836.89	1/4	3,505.09	1/4	3,173.28	1/4	2,841.48	1/4	2,509.64	1/4	2,177.79
1/2		1/2		1/2		1/2	4,160.90	1/2	3,829.98	1/2	3,498.17	1/2	3,166.37	1/2	2,834.56	1/2	2,502.72	1/2	2,170.88
3/4		3/4		3/4		3/4	4,154.03	3/4	3,823.06	3/4	3,491.26	3/4	3,159.46	3/4	2,827.65	3/4	2,495.81	3/4	2,163.96
4		4		4		4	4,147.15	4	3,816.15	4	3,484.35	4	3,152.54	4	2,820.74	4	2,488.90	4	2,157.05
1/4		1/4		1/4		1/4	4,140.28	1/4	3,809.24	1/4	3,477.43	1/4	3,145.63	1/4	2,813.83	1/4	2,481.98	1/4	2,150.14
1/2		1/2		1/2		1/2	4,133.41	1/2	3,802.33	1/2	3,470.52	1/2	3,138.72	1/2	2,806.91	1/2	2,475.07	1/2	2,143.22
3/4		3/4		3/4		3/4	4,126.54	3/4	3,795.41	3/4	3,463.61	3/4	3,131.80	3/4	2,800.00	3/4	2,468.16	3/4	2,136.31
5		5		5		5	4,119.66	5	3,788.50	5	3,456.70	5	3,124.89	5	2,793.09	5	2,461.24	5	2,129.39
1/4		1/4		1/4		1/4	4,112.79	1/4	3,781.59	1/4	3,449.78	1/4	3,117.98	1/4	2,786.17	1/4	2,454.33	1/4	2,122.48
1/2		1/2		1/2		1/2	4,105.92	1/2	3,774.68	1/2	3,442.87	1/2	3,111.07	1/2	2,779.26	1/2	2,447.42	1/2	2,115.57
3/4		3/4		3/4		3/4	4,099.05	3/4	3,767.76	3/4	3,435.96	3/4	3,104.15	3/4	2,772.35	3/4	2,440.50	3/4	2,108.65
6		6		6		6	4,092.17	6	3,760.85	6	3,429.05	6	3,097.24	6	2,765.44	6	2,433.59	6	2,101.74
1/4		1/4		1/4	4,408.25	1/4	4,085.30	1/4	3,753.94	1/4	3,422.13	1/4	3,090.33	1/4	2,758.52	1/4	2,426.68	1/4	2,094.83
1/2		1/2		1/2	4,403.03	1/2	4,078.43	1/2	3,747.03	1/2	3,415.22	1/2	3,083.42	1/2	2,751.61	1/2	2,419.76	1/2	2,087.91
3/4		3/4		3/4	4,397.80	3/4	4,071.56	3/4	3,740.11	3/4	3,408.31	3/4	3,076.50	3/4	2,744.70	3/4	2,412.85	3/4	2,081.00
7		7		7	4,392.57	7	4,064.68	7	3,733.20	7	3,401.40	7	3,069.59	7	2,737.78	7	2,405.93	7	2,074.09
1/4		1/4		1/4	4,386.12	1/4	4,057.81	1/4	3,726.29	1/4	3,394.48	1/4	3,062.68	1/4	2,730.87	1/4	2,399.02	1/4	2,067.17
1/2		1/2		1/2	4,379.68	1/2	4,050.94	1/2	3,719.38	1/2	3,387.57	1/2	3,055.77	1/2	2,723.96	1/2	2,392.11	1/2	2,060.26
3/4		3/4		3/4	4,373.23	3/4	4,044.07	3/4	3,712.46	3/4	3,380.66	3/4	3,048.85	3/4	2,717.04	3/4	2,385.19	3/4	2,053.35
8		8		8	4,366.78	8	4,037.19	8	3,705.55	8	3,373.75	8	3,041.94	8	2,710.13	8	2,378.28	8	2,046.43
1/4		1/4		1/4	4,359.98	1/4	4,030.32	1/4	3,698.64	1/4	3,366.83	1/4	3,035.03	1/4	2,703.22	1/4	2,371.37	1/4	2,039.52
1/2		1/2		1/2	4,353.18	1/2	4,023.45	1/2	3,691.73	1/2	3,359.92	1/2	3,028.12	1/2	2,696.30	1/2	2,364.45	1/2	2,032.61
3/4		3/4		3/4	4,346.38	3/4	4,016.58	3/4	3,684.81	3/4	3,353.01	3/4	3,021.20	3/4	2,689.39	3/4	2,357.54	3/4	2,025.69
9		9		9	4,339.59	9	4,009.70	9	3,677.90	9	3,346.10	9	3,014.29	9	2,682.47	9	2,350.63	9	2,018.78
1/4		1/4		1/4	4,332.71	1/4	4,002.79	1/4	3,670.99	1/4	3,339.18	1/4	3,007.38	1/4	2,675.56	1/4	2,343.71	1/4	2,011.87
1/2		1/2		1/2	4,325.84	1/2	3,995.88	1/2	3,664.07	1/2	3,332.27	1/2	3,000.47	1/2	2,668.65	1/2	2,336.80	1/2	2,004.95
3/4		3/4		3/4	4,318.97	3/4	3,988.97	3/4	3,657.16	3/4	3,325.36	3/4	2,993.55	3/4	2,661.73	3/4	2,329.89	3/4	1,998.04
10		10		10	4,312.10	10	3,982.05	10	3,650.25	10	3,318.44	10	2,986.64	10	2,654.82	10	2,322.97	10	1,991.12
1/4		1/4		1/4	4,305.22	1/4	3,975.14	1/4	3,643.34	1/4	3,311.53	1/4	2,979.73	1/4	2,647.91	1/4	2,316.06	1/4	1,984.21
1/2		1/2		1/2	4,298.35	1/2	3,968.23	1/2	3,636.42	1/2	3,304.62	1/2	2,972.81	1/2	2,640.99	1/2	2,309.15	1/2	1,977.30
3/4		3/4		3/4	4,291.48	3/4	3,961.32	3/4	3,629.51	3/4	3,297.71	3/4	2,965.90	3/4	2,634.08	3/4	2,302.23	3/4	1,970.38
11		11		11	4,284.61	11	3,954.40	11	3,622.60	11	3,290.79	11	2,958.99	11	2,627.17	11	2,295.32	11	1,963.47
1/4		1/4		1/4	4,277.73	1/4	3,947.49	1/4	3,615.69	1/4	3,283.88	1/4	2,952.08	1/4	2,620.25	1/4	2,288.41	1/4	1,956.56
1/2		1/2		1/2	4,270.86	1/2	3,940.58	1/2	3,608.77	1/2	3,276.97	1/2	2,945.16	1/2	2,613.34	1/2	2,281.49	1/2	1,949.64
3/4		3/4		3/4	4,263.99	3/4	3,933.67	3/4	3,601.86	3/4	3,270.06	3/4	2,938.25	3/4	2,606.43	3/4	2,274.58	3/4	1,942.73

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

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 376"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,935.82	0	1,603.97	0	1,272.12	0	944.69	0	636.52	0	347.79	0	78.96	0		0		0	
1/4	1,928.90	1/4	1,597.06	1/4	1,265.21	1/4	938.07	1/4	630.32	1/4	342.00	1/4	73.58	1/4	1/4	1/4		1/4	
1/2	1,921.99	1/2	1,590.14	1/2	1,258.29	1/2	931.45	1/2	624.11	1/2	336.21	1/2	68.20	1/2	1/2	1/2		1/2	
3/4	1,915.08	3/4	1,583.23	3/4	1,251.38	3/4	924.83	3/4	617.91	3/4	330.42	3/4	62.83	3/4	3/4	3/4		3/4	
1	1,908.16	1	1,576.31	1	1,244.47	1	918.21	1	611.70	1	324.63	1	57.45	1	1	1		1	
1/4	1,901.25	1/4	1,569.40	1/4	1,237.55	1/4	911.64	1/4	605.53	1/4	318.87	1/4	52.11	1/4	1/4	1/4		1/4	
1/2	1,894.34	1/2	1,562.49	1/2	1,230.64	1/2	905.07	1/2	599.36	1/2	313.12	1/2	46.77	1/2	1/2	1/2		1/2	
3/4	1,887.42	3/4	1,555.57	3/4	1,223.73	3/4	898.50	3/4	593.19	3/4	307.36	3/4	41.43	3/4	3/4	3/4		3/4	
2	1,880.51	2	1,548.66	2	1,216.81	2	891.93	2	587.02	2	301.60	2	36.09	2	2	2		2	
1/4	1,873.60	1/4	1,541.75	1/4	1,209.90	1/4	885.39	1/4	580.88	1/4	295.88	1/4	31.03	1/4	1/4	1/4		1/4	
1/2	1,866.68	1/2	1,534.83	1/2	1,202.99	1/2	878.85	1/2	574.75	1/2	290.16	1/2	25.97	1/2	1/2	1/2		1/2	
3/4	1,859.77	3/4	1,527.92	3/4	1,196.07	3/4	872.31	3/4	568.61	3/4	284.44	3/4	20.91	3/4	3/4	3/4		3/4	
3	1,852.85	3	1,521.01	3	1,189.16	3	865.78	3	562.47	3	278.72	3	15.85	3	3	3		3	
1/4	1,845.94	1/4	1,514.09	1/4	1,182.25	1/4	859.27	1/4	556.37	1/4	273.03	1/4	12.55	1/4	1/4	1/4		1/4	
1/2	1,839.03	1/2	1,507.18	1/2	1,175.33	1/2	852.77	1/2	550.27	1/2	267.34	1/2	9.25	1/2	1/2	1/2		1/2	
3/4	1,832.11	3/4	1,500.27	3/4	1,168.42	3/4	846.27	3/4	544.17	3/4	261.66	3/4	5.96	3/4	3/4	3/4		3/4	
4	1,825.20	4	1,493.35	4	1,161.50	4	839.76	4	538.07	4	255.97	4	2.66	4	4	4		4	
1/4	1,818.29	1/4	1,486.44	1/4	1,154.61	1/4	833.30	1/4	532.00	1/4	250.32	1/4		1/4	1/4	1/4		1/4	
1/2	1,811.37	1/2	1,479.53	1/2	1,147.71	1/2	826.84	1/2	525.93	1/2	244.66	1/2		1/2	1/2	1/2		1/2	
3/4	1,804.46	3/4	1,472.61	3/4	1,140.82	3/4	820.37	3/4	519.87	3/4	239.01	3/4		3/4	3/4	3/4		3/4	
5	1,797.55	5	1,465.70	5	1,133.92	5	813.91	5	513.80	5	233.36	5		5	5	5		5	
1/4	1,790.63	1/4	1,458.79	1/4	1,127.06	1/4	807.48	1/4	507.77	1/4	227.74	1/4		1/4	1/4	1/4		1/4	
1/2	1,783.72	1/2	1,451.87	1/2	1,120.20	1/2	801.05	1/2	501.73	1/2	222.12	1/2		1/2	1/2	1/2		1/2	
3/4	1,776.81	3/4	1,444.96	3/4	1,113.34	3/4	794.62	3/4	495.70	3/4	216.50	3/4		3/4	3/4	3/4		3/4	
6	1,769.89	6	1,438.04	6	1,106.47	6	788.19	6	489.67	6	210.89	6		6	6	6		6	
1/4	1,762.98	1/4	1,431.13	1/4	1,099.65	1/4	781.79	1/4	483.67	1/4	205.30	1/4		1/4	1/4	1/4		1/4	
1/2	1,756.07	1/2	1,424.22	1/2	1,092.82	1/2	775.39	1/2	477.67	1/2	199.72	1/2		1/2	1/2	1/2		1/2	
3/4	1,749.15	3/4	1,417.30	3/4	1,085.99	3/4	768.99	3/4	471.68	3/4	194.14	3/4		3/4	3/4	3/4		3/4	
7	1,742.24	7	1,410.39	7	1,079.16	7	762.59	7	465.68	7	188.55	7		7	7	7		7	
1/4	1,735.33	1/4	1,403.48	1/4	1,072.37	1/4	756.23	1/4	459.71	1/4	183.00	1/4		1/4	1/4	1/4		1/4	
1/2	1,728.41	1/2	1,396.56	1/2	1,065.58	1/2	749.86	1/2	453.75	1/2	177.46	1/2		1/2	1/2	1/2		1/2	
3/4	1,721.50	3/4	1,389.65	3/4	1,058.79	3/4	743.50	3/4	447.79	3/4	171.91	3/4		3/4	3/4	3/4		3/4	
8	1,714.58	8	1,382.74	8	1,051.99	8	737.13	8	441.82	8	166.36	8		8	8	8		8	
1/4	1,707.67	1/4	1,375.82	1/4	1,045.24	1/4	730.80	1/4	435.89	1/4	160.84	1/4		1/4	1/4	1/4		1/4	
1/2	1,700.76	1/2	1,368.91	1/2	1,038.48	1/2	724.47	1/2	429.97	1/2	155.33	1/2		1/2	1/2	1/2		1/2	
3/4	1,693.84	3/4	1,362.00	3/4	1,031.72	3/4	718.14	3/4	424.04	3/4	149.81	3/4		3/4	3/4	3/4		3/4	
9	1,686.93	9	1,355.08	9	1,024.96	9	711.81	9	418.11	9	144.30	9		9	9	9		9	
1/4	1,680.02	1/4	1,348.17	1/4	1,018.24	1/4	705.50	1/4	412.21	1/4	138.82	1/4		1/4	1/4	1/4		1/4	
1/2	1,673.10	1/2	1,341.26	1/2	1,011.51	1/2	699.19	1/2	406.32	1/2	133.34	1/2		1/2	1/2	1/2		1/2	
3/4	1,666.19	3/4	1,334.34	3/4	1,004.79	3/4	692.89	3/4	400.43	3/4	127.86	3/4		3/4	3/4	3/4		3/4	
10	1,659.28	10	1,327.43	10	998.07	10	686.58	10	394.53	10	122.38	10		10	10	10		10	
1/4	1,652.36	1/4	1,320.52	1/4	991.38	1/4	680.30	1/4	388.67	1/4	116.94	1/4		1/4	1/4	1/4		1/4	
1/2	1,645.45	1/2	1,313.60	1/2	984.69	1/2	674.03	1/2	382.81	1/2	111.49	1/2		1/2	1/2	1/2		1/2	
3/4	1,638.54	3/4	1,306.69	3/4	978.00	3/4	667.75	3/4	376.95	3/4	106.05	3/4		3/4	3/4	3/4		3/4	
11	1,631.62	11	1,299.77	11	971.31	11	661.48	11	371.09	11	100.60	11		11	11	11		11	
1/4	1,624.71	1/4	1,292.86	1/4	964.66	1/4	655.24	1/4	365.27	1/4	95.19	1/4		1/4	1/4	1/4		1/4	
1/2	1,617.80	1/2	1,285.95	1/2	958.00	1/2	649.00	1/2	359.44	1/2	89.78	1/2		1/2	1/2	1/2		1/2	
3/4	1,610.88	3/4	1,279.03	3/4	951.35	3/4	642.76	3/4	353.62	3/4	84.37	3/4		3/4	3/4	3/4		3/4	

STRAPPED: 05/18/2012 CL - SW  
CALCULATED: 05/18/2012 CL  
PRINTED: 05/18/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2012

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 376"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 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	5,149.80	0	4,763.35	0	4,375.30	0	3,987.26	0	3,599.22	0	3,211.15	0	2,823.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,141.76	1/4	4,755.26	1/4	4,367.22	1/4	3,979.18	1/4	3,591.14	1/4	3,203.06	1/4	2,814.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,133.72	1/2	4,747.18	1/2	4,359.14	1/2	3,971.09	1/2	3,583.05	1/2	3,194.98	1/2	2,806.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,125.68	3/4	4,739.09	3/4	4,351.05	3/4	3,963.01	3/4	3,574.97	3/4	3,186.89	3/4	2,798.79
1		1		1		1	5,117.65	1	4,731.01	1	4,342.97	1	3,954.93	1	3,566.88	1	3,178.81	1	2,790.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,109.61	1/4	4,722.92	1/4	4,334.88	1/4	3,946.84	1/4	3,558.80	1/4	3,170.72	1/4	2,782.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,101.57	1/2	4,714.84	1/2	4,326.80	1/2	3,938.76	1/2	3,550.72	1/2	3,162.64	1/2	2,774.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,093.53	3/4	4,706.76	3/4	4,318.71	3/4	3,930.67	3/4	3,542.63	3/4	3,154.55	3/4	2,766.45
2		2		2		2	5,085.50	2	4,698.67	2	4,310.63	2	3,922.59	2	3,534.55	2	3,146.46	2	2,758.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,077.46	1/4	4,690.59	1/4	4,302.55	1/4	3,914.50	1/4	3,526.46	1/4	3,138.38	1/4	2,750.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,069.42	1/2	4,682.50	1/2	4,294.46	1/2	3,906.42	1/2	3,518.38	1/2	3,130.29	1/2	2,742.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,061.38	3/4	4,674.42	3/4	4,286.38	3/4	3,898.34	3/4	3,510.29	3/4	3,122.21	3/4	2,734.11
3		3		3		3	5,053.35	3	4,666.34	3	4,278.29	3	3,890.25	3	3,502.21	3	3,114.12	3	2,726.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,045.31	1/4	4,658.25	1/4	4,270.21	1/4	3,882.17	1/4	3,494.13	1/4	3,106.04	1/4	2,717.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,037.27	1/2	4,650.17	1/2	4,262.13	1/2	3,874.08	1/2	3,486.04	1/2	3,097.95	1/2	2,709.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,029.24	3/4	4,642.08	3/4	4,254.04	3/4	3,866.00	3/4	3,477.96	3/4	3,089.87	3/4	2,701.77
4		4		4		4	5,021.20	4	4,634.00	4	4,245.96	4	3,857.92	4	3,469.87	4	3,081.78	4	2,693.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,013.16	1/4	4,625.91	1/4	4,237.87	1/4	3,849.83	1/4	3,461.79	1/4	3,073.70	1/4	2,685.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,005.12	1/2	4,617.83	1/2	4,229.79	1/2	3,841.75	1/2	3,453.71	1/2	3,065.61	1/2	2,677.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,997.09	3/4	4,609.75	3/4	4,221.70	3/4	3,833.66	3/4	3,445.62	3/4	3,057.53	3/4	2,669.43
5		5		5		5	4,989.05	5	4,601.66	5	4,213.62	5	3,825.58	5	3,437.54	5	3,049.44	5	2,661.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,981.01	1/4	4,593.58	1/4	4,205.54	1/4	3,817.49	1/4	3,429.45	1/4	3,041.35	1/4	2,653.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,972.97	1/2	4,585.49	1/2	4,197.45	1/2	3,809.41	1/2	3,421.37	1/2	3,033.27	1/2	2,645.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,342.62	3/4	4,964.94	3/4	4,577.41	3/4	4,189.37	3/4	3,801.33	3/4	3,413.28	3/4	3,025.18
6		6		6		6	4,956.90	6	4,569.32	6	4,181.28	6	3,793.24	6	3,405.20	6	3,017.10	6	2,629.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,948.86	1/4	4,561.24	1/4	4,173.20	1/4	3,785.16	1/4	3,397.11	1/4	3,009.01	1/4	2,620.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,940.82	1/2	4,553.16	1/2	4,165.11	1/2	3,777.07	1/2	3,389.03	1/2	3,000.93	1/2	2,612.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,932.79	3/4	4,545.07	3/4	4,157.03	3/4	3,768.99	3/4	3,380.94	3/4	2,992.84	3/4	2,604.74
7		7		7		7	5,309.20	7	4,924.75	7	4,536.99	7	4,148.95	7	3,760.90	7	3,372.86	7	2,984.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,301.66	1/4	4,916.71	1/4	4,528.90	1/4	4,140.86	1/4	3,752.82	1/4	3,364.77	1/4	2,976.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,294.13	1/2	4,908.67	1/2	4,520.82	1/2	4,132.78	1/2	3,744.74	1/2	3,356.69	1/2	2,968.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,286.17	3/4	4,900.64	3/4	4,512.74	3/4	4,124.69	3/4	3,736.65	3/4	3,348.60	3/4	2,960.50
8		8		8		8	5,278.22	8	4,892.60	8	4,504.65	8	4,116.61	8	3,728.57	8	3,340.51	8	2,952.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,270.27	1/4	4,884.56	1/4	4,496.57	1/4	4,108.53	1/4	3,720.48	1/4	3,332.43	1/4	2,944.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,262.32	1/2	4,876.52	1/2	4,488.48	1/2	4,100.44	1/2	3,712.40	1/2	3,324.34	1/2	2,936.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,254.28	3/4	4,868.44	3/4	4,480.40	3/4	4,092.36	3/4	3,704.32	3/4	3,316.26	3/4	2,928.16
9		9		9		9	5,246.25	9	4,860.36	9	4,472.31	9	4,084.27	9	3,696.23	9	3,308.17	9	2,920.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,238.21	1/4	4,852.27	1/4	4,464.23	1/4	4,076.19	1/4	3,688.15	1/4	3,300.09	1/4	2,911.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,230.17	1/2	4,844.19	1/2	4,456.15	1/2	4,068.10	1/2	3,680.06	1/2	3,292.00	1/2	2,903.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,222.13	3/4	4,836.10	3/4	4,448.06	3/4	4,060.02	3/4	3,671.98	3/4	3,283.92	3/4	2,895.82
10		10		10		10	5,214.10	10	4,828.02	10	4,439.98	10	4,051.94	10	3,663.89	10	3,275.83	10	2,887.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,206.06	1/4	4,819.94	1/4	4,431.89	1/4	4,043.85	1/4	3,655.81	1/4	3,267.75	1/4	2,879.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,198.02	1/2	4,811.85	1/2	4,423.81	1/2	4,035.77	1/2	3,647.73	1/2	3,259.66	1/2	2,871.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,189.98	3/4	4,803.77	3/4	4,415.73	3/4	4,027.68	3/4	3,639.64	3/4	3,251.58	3/4	2,863.48
11		11		11		11	5,181.95	11	4,795.68	11	4,407.64	11	4,019.60	11	3,631.56	11	3,243.49	11	2,855.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,173.91	1/4	4,787.60	1/4	4,399.56	1/4	4,011.52	1/4	3,623.47	1/4	3,235.40	1/4	2,847.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,165.87	1/2	4,779.51	1/2	4,391.47	1/2	4,003.43	1/2	3,615.39	1/2	3,227.32	1/2	2,839.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,157.83	3/4	4,771.43	3/4	4,383.39	3/4	3,995.35	3/4	3,607.31	3/4	3,219.23	3/4	2,831.13

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 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "EMS 376"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 1/2"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2012 CL - SW  
CALCULATED: 05/18/2012 CL  
PRINTED: 05/18/2012 CL

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ALL PRIOR TO 05/2012

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& ANALYSIS, INC.  
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# BARGE "EMS 376"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							5,179.59		4,793.33		4,405.38		4,017.42		3,629.47		3,241.48		2,853.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,171.56	1/4	4,785.25	1/4	4,397.30	1/4	4,009.34	1/4	3,621.38	1/4	3,233.40	1/4	2,845.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,163.52	1/2	4,777.17	1/2	4,389.21	1/2	4,001.26	1/2	3,613.30	1/2	3,225.32	1/2	2,837.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,155.49	3/4	4,769.09	3/4	4,381.13	3/4	3,993.18	3/4	3,605.22	3/4	3,217.23	3/4	2,829.22
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>5,147.45</b>	<b>1</b>	<b>4,761.00</b>	<b>1</b>	<b>4,373.05</b>	<b>1</b>	<b>3,985.09</b>	<b>1</b>	<b>3,597.14</b>	<b>1</b>	<b>3,209.15</b>	<b>1</b>	<b>2,821.14</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,139.42	1/4	4,752.92	1/4	4,364.97	1/4	3,977.01	1/4	3,589.06	1/4	3,201.07	1/4	2,813.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,131.38	1/2	4,744.84	1/2	4,356.88	1/2	3,968.93	1/2	3,580.97	1/2	3,192.98	1/2	2,804.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,123.35	3/4	4,736.76	3/4	4,348.80	3/4	3,960.85	3/4	3,572.89	3/4	3,184.90	3/4	2,796.89
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>5,115.31</b>	<b>2</b>	<b>4,728.67</b>	<b>2</b>	<b>4,340.72</b>	<b>2</b>	<b>3,952.76</b>	<b>2</b>	<b>3,564.81</b>	<b>2</b>	<b>3,176.81</b>	<b>2</b>	<b>2,788.80</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,107.27	1/4	4,720.59	1/4	4,332.64	1/4	3,944.68	1/4	3,556.73	1/4	3,168.73	1/4	2,780.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,099.24	1/2	4,712.51	1/2	4,324.55	1/2	3,936.60	1/2	3,548.64	1/2	3,160.65	1/2	2,772.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,091.20	3/4	4,704.43	3/4	4,316.47	3/4	3,928.52	3/4	3,540.56	3/4	3,152.56	3/4	2,764.55
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>5,083.17</b>	<b>3</b>	<b>4,696.34</b>	<b>3</b>	<b>4,308.39</b>	<b>3</b>	<b>3,920.43</b>	<b>3</b>	<b>3,532.48</b>	<b>3</b>	<b>3,144.48</b>	<b>3</b>	<b>2,756.47</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,075.13	1/4	4,688.26	1/4	4,300.31	1/4	3,912.35	1/4	3,524.40	1/4	3,136.40	1/4	2,748.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,067.10	1/2	4,680.18	1/2	4,292.22	1/2	3,904.27	1/2	3,516.31	1/2	3,128.31	1/2	2,740.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,059.06	3/4	4,672.10	3/4	4,284.14	3/4	3,896.19	3/4	3,508.23	3/4	3,120.23	3/4	2,732.22
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>5,051.03</b>	<b>4</b>	<b>4,664.01</b>	<b>4</b>	<b>4,276.06</b>	<b>4</b>	<b>3,888.10</b>	<b>4</b>	<b>3,500.15</b>	<b>4</b>	<b>3,112.15</b>	<b>4</b>	<b>2,724.13</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,042.99	1/4	4,655.93	1/4	4,267.98	1/4	3,880.02	1/4	3,492.07	1/4	3,104.06	1/4	2,716.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,034.96	1/2	4,647.85	1/2	4,259.89	1/2	3,871.94	1/2	3,483.98	1/2	3,095.98	1/2	2,707.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,026.92	3/4	4,639.77	3/4	4,251.81	3/4	3,863.86	3/4	3,475.90	3/4	3,087.89	3/4	2,699.88
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5,018.89</b>	<b>5</b>	<b>4,631.68</b>	<b>5</b>	<b>4,243.73</b>	<b>5</b>	<b>3,855.77</b>	<b>5</b>	<b>3,467.82</b>	<b>5</b>	<b>3,079.81</b>	<b>5</b>	<b>2,691.80</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,010.85	1/4	4,623.60	1/4	4,235.65	1/4	3,847.69	1/4	3,459.74	1/4	3,071.73	1/4	2,683.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,002.82	1/2	4,615.52	1/2	4,227.56	1/2	3,839.61	1/2	3,451.65	1/2	3,063.64	1/2	2,675.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,994.78	3/4	4,607.44	3/4	4,219.48	3/4	3,831.53	3/4	3,443.57	3/4	3,055.56	3/4	2,667.55
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>4,986.75</b>	<b>6</b>	<b>4,599.36</b>	<b>6</b>	<b>4,211.40</b>	<b>6</b>	<b>3,823.44</b>	<b>6</b>	<b>3,435.49</b>	<b>6</b>	<b>3,047.48</b>	<b>6</b>	<b>2,659.46</b>
1/4	1/4	1/4	5,356.30	1/4	4,978.71	1/4	4,591.27	1/4	4,203.32	1/4	3,815.36	1/4	3,427.41	1/4	3,039.39	1/4	2,651.38		
1/2	1/2	1/2	5,350.19	1/2	4,970.67	1/2	4,583.19	1/2	4,195.24	1/2	3,807.28	1/2	3,419.32	1/2	3,031.31	1/2	2,643.30		
3/4	3/4	3/4	5,344.07	3/4	4,962.64	3/4	4,575.11	3/4	4,187.15	3/4	3,799.20	3/4	3,411.24	3/4	3,023.23	3/4	2,635.21		
<b>7</b>	<b>7</b>	<b>7</b>	<b>5,337.96</b>	<b>7</b>	<b>4,954.60</b>	<b>7</b>	<b>4,567.03</b>	<b>7</b>	<b>4,179.07</b>	<b>7</b>	<b>3,791.12</b>	<b>7</b>	<b>3,403.16</b>	<b>7</b>	<b>3,015.14</b>	<b>7</b>	<b>2,627.13</b>		
1/4	1/4	1/4	5,330.43	1/4	4,946.57	1/4	4,558.94	1/4	4,170.99	1/4	3,783.03	1/4	3,395.07	1/4	3,007.06	1/4	2,619.05		
1/2	1/2	1/2	5,322.89	1/2	4,938.53	1/2	4,550.86	1/2	4,162.91	1/2	3,774.95	1/2	3,386.99	1/2	2,998.98	1/2	2,610.96		
3/4	3/4	3/4	5,315.35	3/4	4,930.50	3/4	4,542.78	3/4	4,154.82	3/4	3,766.87	3/4	3,378.90	3/4	2,990.89	3/4	2,602.88		
<b>8</b>	<b>8</b>	<b>8</b>	<b>5,307.81</b>	<b>8</b>	<b>4,922.46</b>	<b>8</b>	<b>4,534.70</b>	<b>8</b>	<b>4,146.74</b>	<b>8</b>	<b>3,758.79</b>	<b>8</b>	<b>3,370.82</b>	<b>8</b>	<b>2,982.81</b>	<b>8</b>	<b>2,594.80</b>		
1/4	1/4	1/4	5,299.86	1/4	4,914.43	1/4	4,526.61	1/4	4,138.66	1/4	3,750.70	1/4	3,362.74	1/4	2,974.72	1/4	2,586.71		
1/2	1/2	1/2	5,291.92	1/2	4,906.39	1/2	4,518.53	1/2	4,130.58	1/2	3,742.62	1/2	3,354.65	1/2	2,966.64	1/2	2,578.63		
3/4	3/4	3/4	5,283.97	3/4	4,898.36	3/4	4,510.45	3/4	4,122.49	3/4	3,734.54	3/4	3,346.57	3/4	2,958.56	3/4	2,570.54		
<b>9</b>	<b>9</b>	<b>9</b>	<b>5,276.02</b>	<b>9</b>	<b>4,890.32</b>	<b>9</b>	<b>4,502.37</b>	<b>9</b>	<b>4,114.41</b>	<b>9</b>	<b>3,726.46</b>	<b>9</b>	<b>3,338.49</b>	<b>9</b>	<b>2,950.47</b>	<b>9</b>	<b>2,562.46</b>		
1/4	1/4	1/4	5,267.98	1/4	4,882.24	1/4	4,494.28	1/4	4,106.33	1/4	3,718.37	1/4	3,330.40	1/4	2,942.39	1/4	2,554.38		
1/2	1/2	1/2	5,259.95	1/2	4,874.16	1/2	4,486.20	1/2	4,098.25	1/2	3,710.29	1/2	3,322.32	1/2	2,934.31	1/2	2,546.29		
3/4	3/4	3/4	5,251.91	3/4	4,866.07	3/4	4,478.12	3/4	4,090.16	3/4	3,702.21	3/4	3,314.24	3/4	2,926.22	3/4	2,538.21		
<b>10</b>	<b>10</b>	<b>10</b>	<b>5,243.87</b>	<b>10</b>	<b>4,857.99</b>	<b>10</b>	<b>4,470.04</b>	<b>10</b>	<b>4,082.08</b>	<b>10</b>	<b>3,694.13</b>	<b>10</b>	<b>3,306.15</b>	<b>10</b>	<b>2,918.14</b>	<b>10</b>	<b>2,530.13</b>		
1/4	1/4	1/4	5,235.84	1/4	4,849.91	1/4	4,461.95	1/4	4,074.00	1/4	3,686.04	1/4	3,298.07	1/4	2,910.06	1/4	2,522.04		
1/2	1/2	1/2	5,227.80	1/2	4,841.83	1/2	4,453.87	1/2	4,065.92	1/2	3,677.96	1/2	3,289.98	1/2	2,901.97	1/2	2,513.96		
3/4	3/4	3/4	5,219.77	3/4	4,833.74	3/4	4,445.79	3/4	4,057.83	3/4	3,669.88	3/4	3,281.90	3/4	2,893.89	3/4	2,505.88		
<b>11</b>	<b>11</b>	<b>11</b>	<b>5,211.73</b>	<b>11</b>	<b>4,825.66</b>	<b>11</b>	<b>4,437.71</b>	<b>11</b>	<b>4,049.75</b>	<b>11</b>	<b>3,661.80</b>	<b>11</b>	<b>3,273.82</b>	<b>11</b>	<b>2,885.80</b>	<b>11</b>	<b>2,497.79</b>		
1/4	1/4	1/4	5,203.70	1/4	4,817.58	1/4	4,429.62	1/4	4,041.67	1/4	3,653.71	1/4	3,265.73	1/4	2,877.72	1/4	2,489.71		
1/2	1/2	1/2	5,195.66	1/2	4,809.50	1/2	4,421.54	1/2	4,033.59	1/2	3,645.63	1/2	3,257.65	1/2	2,869.64	1/2	2,481.62		
3/4	3/4	3/4	5,187.63	3/4	4,801.42	3/4	4,413.46	3/4	4,025.50	3/4	3,637.55	3/4	3,249.57	3/4	2,861.55	3/4	2,473.54		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 42'-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 376"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,465.46	0	2,077.44	0	1,689.43	0	1,301.42	0	913.41	0	525.77	0	137.78	0		0		0	
1/4	2,457.37	1/4	2,069.36	1/4	1,681.35	1/4	1,293.34	1/4	905.32	1/4	517.69	1/4	129.70	1/4	1/4	1/4		1/4	
1/2	2,449.29	1/2	2,061.28	1/2	1,673.26	1/2	1,285.25	1/2	897.24	1/2	509.60	1/2	121.62	1/2	1/2	1/2		1/2	
3/4	2,441.21	3/4	2,053.19	3/4	1,665.18	3/4	1,277.17	3/4	889.16	3/4	501.52	3/4	113.54	3/4	3/4	3/4		3/4	
1	2,433.12	1	2,045.11	1	1,657.10	1	1,269.08	1	881.07	1	493.44	1	105.45	1	1	1		1	
1/4	2,425.04	1/4	2,037.03	1/4	1,649.01	1/4	1,261.00	1/4	872.99	1/4	485.35	1/4	97.37	1/4	1/4	1/4		1/4	
1/2	2,416.96	1/2	2,028.94	1/2	1,640.93	1/2	1,252.92	1/2	864.90	1/2	477.27	1/2	89.29	1/2	1/2	1/2		1/2	
3/4	2,408.87	3/4	2,020.86	3/4	1,632.85	3/4	1,244.83	3/4	856.82	3/4	469.19	3/4	81.20	3/4	3/4	3/4		3/4	
2	2,400.79	2	2,012.78	2	1,624.76	2	1,236.75	2	848.74	2	461.10	2	73.12	2	2	2		2	
1/4	2,392.71	1/4	2,004.69	1/4	1,616.68	1/4	1,228.67	1/4	840.65	1/4	453.02	1/4	65.33	1/4	1/4	1/4		1/4	
1/2	2,384.62	1/2	1,996.61	1/2	1,608.60	1/2	1,220.58	1/2	832.57	1/2	444.94	1/2	57.53	1/2	1/2	1/2		1/2	
3/4	2,376.54	3/4	1,988.53	3/4	1,600.51	3/4	1,212.50	3/4	824.49	3/4	436.86	3/4	49.74	3/4	3/4	3/4		3/4	
3	2,368.45	3	1,980.44	3	1,592.43	3	1,204.42	3	816.40	3	428.77	3	41.94	3	3	3		3	
1/4	2,360.37	1/4	1,972.36	1/4	1,584.35	1/4	1,196.33	1/4	808.33	1/4	420.69	1/4	36.17	1/4	1/4	1/4		1/4	
1/2	2,352.29	1/2	1,964.27	1/2	1,576.26	1/2	1,188.25	1/2	800.26	1/2	412.61	1/2	30.40	1/2	1/2	1/2		1/2	
3/4	2,344.20	3/4	1,956.19	3/4	1,568.18	3/4	1,180.17	3/4	792.18	3/4	404.52	3/4	24.63	3/4	3/4	3/4		3/4	
4	2,336.12	4	1,948.11	4	1,560.09	4	1,172.08	4	784.11	4	396.44	4	18.85	4	4	4		4	
1/4	2,328.04	1/4	1,940.02	1/4	1,552.01	1/4	1,164.00	1/4	776.04	1/4	388.36	1/4		1/4	1/4	1/4		1/4	
1/2	2,319.95	1/2	1,931.94	1/2	1,543.93	1/2	1,155.91	1/2	767.96	1/2	380.27	1/2		1/2	1/2	1/2		1/2	
3/4	2,311.87	3/4	1,923.86	3/4	1,535.84	3/4	1,147.83	3/4	759.89	3/4	372.19	3/4		3/4	3/4	3/4		3/4	
5	2,303.79	5	1,915.77	5	1,527.76	5	1,139.75	5	751.82	5	364.11	5		5	5	5		5	
1/4	2,295.70	1/4	1,907.69	1/4	1,519.68	1/4	1,131.66	1/4	743.74	1/4	356.03	1/4		1/4	1/4	1/4		1/4	
1/2	2,287.62	1/2	1,899.61	1/2	1,511.59	1/2	1,123.58	1/2	735.67	1/2	347.94	1/2		1/2	1/2	1/2		1/2	
3/4	2,279.53	3/4	1,891.52	3/4	1,503.51	3/4	1,115.50	3/4	727.60	3/4	339.86	3/4		3/4	3/4	3/4		3/4	
6	2,271.45	6	1,883.44	6	1,495.43	6	1,107.41	6	719.52	6	331.78	6		6	6	6		6	
1/4	2,263.37	1/4	1,875.35	1/4	1,487.34	1/4	1,099.33	1/4	711.46	1/4	323.69	1/4		1/4	1/4	1/4		1/4	
1/2	2,255.28	1/2	1,867.27	1/2	1,479.26	1/2	1,091.25	1/2	703.39	1/2	315.61	1/2		1/2	1/2	1/2		1/2	
3/4	2,247.20	3/4	1,859.19	3/4	1,471.17	3/4	1,083.16	3/4	695.32	3/4	307.53	3/4		3/4	3/4	3/4		3/4	
7	2,239.12	7	1,851.10	7	1,463.09	7	1,075.08	7	687.25	7	299.44	7		7	7	7		7	
1/4	2,231.03	1/4	1,843.02	1/4	1,455.01	1/4	1,066.99	1/4	679.18	1/4	291.36	1/4		1/4	1/4	1/4		1/4	
1/2	2,222.95	1/2	1,834.94	1/2	1,446.92	1/2	1,058.91	1/2	671.11	1/2	283.28	1/2		1/2	1/2	1/2		1/2	
3/4	2,214.87	3/4	1,826.85	3/4	1,438.84	3/4	1,050.83	3/4	663.04	3/4	275.20	3/4		3/4	3/4	3/4		3/4	
8	2,206.78	8	1,818.77	8	1,430.76	8	1,042.74	8	654.97	8	267.11	8		8	8	8		8	
1/4	2,198.70	1/4	1,810.69	1/4	1,422.67	1/4	1,034.66	1/4	646.90	1/4	259.03	1/4		1/4	1/4	1/4		1/4	
1/2	2,190.62	1/2	1,802.60	1/2	1,414.59	1/2	1,026.58	1/2	638.83	1/2	250.95	1/2		1/2	1/2	1/2		1/2	
3/4	2,182.53	3/4	1,794.52	3/4	1,406.51	3/4	1,018.49	3/4	630.76	3/4	242.86	3/4		3/4	3/4	3/4		3/4	
9	2,174.45	9	1,786.44	9	1,398.42	9	1,010.41	9	622.68	9	234.78	9		9	9	9		9	
1/4	2,166.36	1/4	1,778.35	1/4	1,390.34	1/4	1,002.33	1/4	614.61	1/4	226.70	1/4		1/4	1/4	1/4		1/4	
1/2	2,158.28	1/2	1,770.27	1/2	1,382.26	1/2	994.24	1/2	606.54	1/2	218.61	1/2		1/2	1/2	1/2		1/2	
3/4	2,150.20	3/4	1,762.18	3/4	1,374.17	3/4	986.16	3/4	598.46	3/4	210.53	3/4		3/4	3/4	3/4		3/4	
10	2,142.11	10	1,754.10	10	1,366.09	10	978.08	10	590.39	10	202.45	10		10	10	10		10	
1/4	2,134.03	1/4	1,746.02	1/4	1,358.00	1/4	969.99	1/4	582.32	1/4	194.37	1/4		1/4	1/4	1/4		1/4	
1/2	2,125.95	1/2	1,737.93	1/2	1,349.92	1/2	961.91	1/2	574.25	1/2	186.28	1/2		1/2	1/2	1/2		1/2	
3/4	2,117.86	3/4	1,729.85	3/4	1,341.84	3/4	953.82	3/4	566.17	3/4	178.20	3/4		3/4	3/4	3/4		3/4	
11	2,109.78	11	1,721.77	11	1,333.75	11	945.74	11	558.10	11	170.12	11		11	11	11		11	
1/4	2,101.70	1/4	1,713.68	1/4	1,325.67	1/4	937.66	1/4	550.02	1/4	162.03	1/4		1/4	1/4	1/4		1/4	
1/2	2,093.61	1/2	1,705.60	1/2	1,317.59	1/2	929.57	1/2	541.93	1/2	153.95	1/2		1/2	1/2	1/2		1/2	
3/4	2,085.53	3/4	1,697.52	3/4	1,309.50	3/4	921.49	3/4	533.85	3/4	145.87	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2012 CL - SW  
CALCULATED: 05/18/2012 CL  
PRINTED: 05/18/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2012

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





# BARGE "EMS 376"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,582.83	0	4,277.52	0	3,970.99	0	3,664.45	0	3,351.04	0	2,989.80	0	2,628.39
1/4		1/4		1/4		1/4	4,576.48	1/4	4,271.14	1/4	3,964.60	1/4	3,658.06	1/4	3,343.51	1/4	2,982.27	1/4	2,620.86
1/2		1/2		1/2		1/2	4,570.13	1/2	4,264.75	1/2	3,958.21	1/2	3,651.68	1/2	3,335.98	1/2	2,974.75	1/2	2,613.32
3/4		3/4		3/4		3/4	4,563.78	3/4	4,258.37	3/4	3,951.83	3/4	3,645.29	3/4	3,328.45	3/4	2,967.23	3/4	2,605.79
1		1		1		1	4,557.43	1	4,251.98	1	3,945.44	1	3,638.90	1	3,320.92	1	2,959.70	1	2,598.26
1/4		1/4		1/4		1/4	4,551.08	1/4	4,245.59	1/4	3,939.06	1/4	3,632.52	1/4	3,313.39	1/4	2,952.18	1/4	2,590.73
1/2		1/2		1/2		1/2	4,544.73	1/2	4,239.21	1/2	3,932.67	1/2	3,626.13	1/2	3,305.86	1/2	2,944.65	1/2	2,583.20
3/4		3/4		3/4		3/4	4,538.38	3/4	4,232.82	3/4	3,926.28	3/4	3,619.75	3/4	3,298.33	3/4	2,937.13	3/4	2,575.67
2		2		2		2	4,532.03	2	4,226.43	2	3,919.90	2	3,613.36	2	3,290.80	2	2,929.60	2	2,568.14
1/4		1/4		1/4		1/4	4,525.68	1/4	4,220.05	1/4	3,913.51	1/4	3,606.97	1/4	3,283.27	1/4	2,922.08	1/4	2,560.60
1/2		1/2		1/2		1/2	4,519.33	1/2	4,213.66	1/2	3,907.12	1/2	3,600.59	1/2	3,275.74	1/2	2,914.56	1/2	2,553.07
3/4		3/4		3/4		3/4	4,512.98	3/4	4,207.28	3/4	3,900.74	3/4	3,594.20	3/4	3,268.21	3/4	2,907.03	3/4	2,545.54
3		3		3		3	4,506.63	3	4,200.89	3	3,894.35	3	3,587.81	3	3,260.68	3	2,899.51	3	2,538.01
1/4		1/4		1/4		1/4	4,500.28	1/4	4,194.50	1/4	3,887.97	1/4	3,581.43	1/4	3,253.15	1/4	2,891.98	1/4	2,530.48
1/2		1/2		1/2		1/2	4,493.93	1/2	4,188.12	1/2	3,881.58	1/2	3,575.04	1/2	3,245.61	1/2	2,884.46	1/2	2,522.95
3/4		3/4		3/4		3/4	4,487.58	3/4	4,181.73	3/4	3,875.19	3/4	3,568.66	3/4	3,238.09	3/4	2,876.93	3/4	2,515.42
4		4		4		4	4,481.23	4	4,175.35	4	3,868.81	4	3,562.27	4	3,230.57	4	2,869.40	4	2,507.88
1/4		1/4		1/4		1/4	4,474.88	1/4	4,168.96	1/4	3,862.42	1/4	3,555.88	1/4	3,223.04	1/4	2,861.86	1/4	2,500.35
1/2		1/2		1/2		1/2	4,468.53	1/2	4,162.57	1/2	3,856.04	1/2	3,549.50	1/2	3,215.52	1/2	2,854.33	1/2	2,492.82
3/4		3/4		3/4		3/4	4,462.18	3/4	4,156.19	3/4	3,849.65	3/4	3,543.11	3/4	3,208.00	3/4	2,846.80	3/4	2,485.29
5		5		5		5	4,455.83	5	4,149.80	5	3,843.26	5	3,536.73	5	3,200.47	5	2,839.27	5	2,477.76
1/4		1/4		1/4		1/4	4,449.48	1/4	4,143.41	1/4	3,836.88	1/4	3,530.34	1/4	3,192.95	1/4	2,831.74	1/4	2,470.23
1/2		1/2		1/2		1/2	4,443.13	1/2	4,137.03	1/2	3,830.49	1/2	3,523.95	1/2	3,185.43	1/2	2,824.21	1/2	2,462.69
3/4		3/4		3/4		3/4	4,746.54	3/4	4,436.78	3/4	4,130.64	3/4	3,824.10	3/4	3,517.57	3/4	3,177.90	3/4	2,816.68
6		6		6		6	4,430.43	6	4,124.26	6	3,817.72	6	3,511.18	6	3,170.38	6	2,809.14	6	2,447.63
1/4		1/4		1/4		1/4	4,745.15	1/4	4,424.08	1/4	4,117.87	1/4	3,811.33	1/4	3,504.79	1/4	3,162.85	1/4	2,801.61
1/2		1/2		1/2		1/2	4,729.45	1/2	4,417.73	1/2	4,111.48	1/2	3,804.95	1/2	3,498.41	1/2	3,155.33	1/2	2,794.08
3/4		3/4		3/4		3/4	4,722.43	3/4	4,411.38	3/4	4,105.10	3/4	3,798.56	3/4	3,492.02	3/4	3,147.81	3/4	2,786.55
7		7		7		7	4,715.41	7	4,405.03	7	4,098.71	7	3,792.17	7	3,485.64	7	3,140.28	7	2,779.02
1/4		1/4		1/4		1/4	4,708.38	1/4	4,398.68	1/4	4,092.32	1/4	3,785.79	1/4	3,479.25	1/4	3,132.76	1/4	2,771.49
1/2		1/2		1/2		1/2	4,701.36	1/2	4,392.33	1/2	4,085.94	1/2	3,779.40	1/2	3,472.86	1/2	3,125.23	1/2	2,763.95
3/4		3/4		3/4		3/4	4,693.95	3/4	4,385.98	3/4	4,079.55	3/4	3,773.01	3/4	3,466.48	3/4	3,117.71	3/4	2,756.42
8		8		8		8	4,686.54	8	4,379.63	8	4,073.17	8	3,766.63	8	3,460.09	8	3,110.18	8	2,748.89
1/4		1/4		1/4		1/4	4,679.13	1/4	4,373.28	1/4	4,066.78	1/4	3,760.24	1/4	3,453.70	1/4	3,102.66	1/4	2,741.36
1/2		1/2		1/2		1/2	4,671.73	1/2	4,366.93	1/2	4,060.39	1/2	3,753.86	1/2	3,447.32	1/2	3,095.14	1/2	2,733.83
3/4		3/4		3/4		3/4	4,665.38	3/4	4,360.55	3/4	4,054.01	3/4	3,747.47	3/4	3,440.93	3/4	3,087.61	3/4	2,726.30
9		9		9		9	4,659.03	9	4,354.16	9	4,047.62	9	3,741.08	9	3,434.55	9	3,080.09	9	2,718.77
1/4		1/4		1/4		1/4	4,652.68	1/4	4,347.77	1/4	4,041.24	1/4	3,734.70	1/4	3,428.16	1/4	3,072.56	1/4	2,711.23
1/2		1/2		1/2		1/2	4,646.33	1/2	4,341.39	1/2	4,034.85	1/2	3,728.31	1/2	3,421.77	1/2	3,065.04	1/2	2,703.70
3/4		3/4		3/4		3/4	4,639.98	3/4	4,335.00	3/4	4,028.46	3/4	3,721.93	3/4	3,415.39	3/4	3,057.52	3/4	2,696.17
10		10		10		10	4,633.63	10	4,328.61	10	4,022.08	10	3,715.54	10	3,409.00	10	3,049.99	10	2,688.64
1/4		1/4		1/4		1/4	4,627.28	1/4	4,322.23	1/4	4,015.69	1/4	3,709.15	1/4	3,402.62	1/4	3,042.47	1/4	2,681.11
1/2		1/2		1/2		1/2	4,620.93	1/2	4,315.84	1/2	4,009.30	1/2	3,702.77	1/2	3,396.23	1/2	3,034.94	1/2	2,673.58
3/4		3/4		3/4		3/4	4,614.58	3/4	4,309.46	3/4	4,002.92	3/4	3,696.38	3/4	3,388.70	3/4	3,027.42	3/4	2,666.05
11		11		11		11	4,608.23	11	4,303.07	11	3,996.53	11	3,689.99	11	3,381.17	11	3,019.89	11	2,658.51
1/4		1/4		1/4		1/4	4,601.88	1/4	4,296.68	1/4	3,990.15	1/4	3,683.61	1/4	3,373.64	1/4	3,012.37	1/4	2,650.98
1/2		1/2		1/2		1/2	4,595.53	1/2	4,290.30	1/2	3,983.76	1/2	3,677.22	1/2	3,366.11	1/2	3,004.85	1/2	2,643.45
3/4		3/4		3/4		3/4	4,589.18	3/4	4,283.91	3/4	3,977.37	3/4	3,670.84	3/4	3,358.58	3/4	2,997.32	3/4	2,635.92

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "EMS 376"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,266.88	0	1,905.92	0	1,545.04	0	1,183.68	0	823.12	0	474.92	0	113.36	0		0		0	
1/4	2,259.34	1/4	1,898.41	1/4	1,537.51	1/4	1,176.16	1/4	815.88	1/4	467.39	1/4	105.83	1/4	1/4		1/4		1/4
1/2	2,251.81	1/2	1,890.90	1/2	1,529.98	1/2	1,168.63	1/2	808.64	1/2	459.85	1/2	98.30	1/2	1/2		1/2		1/2
3/4	2,244.28	3/4	1,883.39	3/4	1,522.45	3/4	1,161.10	3/4	801.40	3/4	452.32	3/4	90.77	3/4	3/4		3/4		3/4
1	2,236.75	1	1,875.88	1	1,514.92	1	1,153.57	1	794.16	1	444.79	1	83.23	1	1		1		1
1/4	2,229.22	1/4	1,868.37	1/4	1,507.40	1/4	1,146.04	1/4	786.91	1/4	437.26	1/4	75.70	1/4	1/4		1/4		1/4
1/2	2,221.69	1/2	1,860.87	1/2	1,499.87	1/2	1,138.51	1/2	779.67	1/2	429.72	1/2	68.17	1/2	1/2		1/2		1/2
3/4	2,214.16	3/4	1,853.36	3/4	1,492.34	3/4	1,130.99	3/4	772.42	3/4	422.19	3/4	60.90	3/4	3/4		3/4		3/4
2	2,206.62	2	1,845.85	2	1,484.81	2	1,123.46	2	765.17	2	414.66	2	53.64	2	2		2		2
1/4	2,199.09	1/4	1,838.34	1/4	1,477.28	1/4	1,115.93	1/4	757.92	1/4	407.13	1/4	46.38	1/4	1/4		1/4		1/4
1/2	2,191.56	1/2	1,830.83	1/2	1,469.75	1/2	1,108.40	1/2	750.67	1/2	399.59	1/2	39.11	1/2	1/2		1/2		1/2
3/4	2,184.03	3/4	1,823.32	3/4	1,462.23	3/4	1,100.87	3/4	743.43	3/4	392.06	3/4	33.74	3/4	3/4		3/4		3/4
3	2,176.50	3	1,815.82	3	1,454.70	3	1,093.34	3	736.18	3	384.53	3	28.36	3	3		3		3
1/4	2,168.97	1/4	1,808.31	1/4	1,447.17	1/4	1,085.82	1/4	728.94	1/4	377.00	1/4	22.98	1/4	1/4		1/4		1/4
1/2	2,161.43	1/2	1,800.80	1/2	1,439.64	1/2	1,078.29	1/2	721.70	1/2	369.46	1/2	17.60	1/2	1/2		1/2		1/2
3/4	2,153.90	3/4	1,793.29	3/4	1,432.11	3/4	1,070.76	3/4	714.46	3/4	361.93	3/4		3/4	3/4		3/4		3/4
4	2,146.37	4	1,785.78	4	1,424.59	4	1,063.23	4	707.22	4	354.40	4		4	4		4		4
1/4	2,138.84	1/4	1,778.27	1/4	1,417.06	1/4	1,055.70	1/4	699.98	1/4	346.87	1/4		1/4	1/4		1/4		1/4
1/2	2,131.31	1/2	1,770.76	1/2	1,409.53	1/2	1,048.18	1/2	692.74	1/2	339.33	1/2		1/2	1/2		1/2		1/2
3/4	2,123.78	3/4	1,763.26	3/4	1,402.00	3/4	1,040.65	3/4	685.50	3/4	331.80	3/4		3/4	3/4		3/4		3/4
5	2,116.25	5	1,755.75	5	1,394.47	5	1,033.12	5	678.25	5	324.27	5		5	5		5		5
1/4	2,108.71	1/4	1,748.24	1/4	1,386.94	1/4	1,025.59	1/4	671.01	1/4	316.74	1/4		1/4	1/4		1/4		1/4
1/2	2,101.18	1/2	1,740.73	1/2	1,379.42	1/2	1,018.06	1/2	663.77	1/2	309.20	1/2		1/2	1/2		1/2		1/2
3/4	2,093.66	3/4	1,733.21	3/4	1,371.89	3/4	1,010.54	3/4	656.54	3/4	301.67	3/4		3/4	3/4		3/4		3/4
6	2,086.14	6	1,725.69	6	1,364.36	6	1,003.02	6	649.30	6	294.14	6		6	6		6		6
1/4	2,078.62	1/4	1,718.18	1/4	1,356.83	1/4	995.51	1/4	642.06	1/4	286.61	1/4		1/4	1/4		1/4		1/4
1/2	2,071.10	1/2	1,710.66	1/2	1,349.30	1/2	987.99	1/2	634.82	1/2	279.08	1/2		1/2	1/2		1/2		1/2
3/4	2,063.60	3/4	1,703.13	3/4	1,341.78	3/4	980.47	3/4	627.59	3/4	271.54	3/4		3/4	3/4		3/4		3/4
7	2,056.09	7	1,695.60	7	1,334.25	7	972.95	7	620.35	7	264.01	7		7	7		7		7
1/4	2,048.58	1/4	1,688.07	1/4	1,326.72	1/4	965.43	1/4	613.11	1/4	256.48	1/4		1/4	1/4		1/4		1/4
1/2	2,041.07	1/2	1,680.54	1/2	1,319.19	1/2	957.91	1/2	605.88	1/2	248.95	1/2		1/2	1/2		1/2		1/2
3/4	2,033.56	3/4	1,673.02	3/4	1,311.66	3/4	950.39	3/4	598.64	3/4	241.41	3/4		3/4	3/4		3/4		3/4
8	2,026.05	8	1,665.49	8	1,304.13	8	942.87	8	591.40	8	233.88	8		8	8		8		8
1/4	2,018.54	1/4	1,657.96	1/4	1,296.61	1/4	935.35	1/4	584.15	1/4	226.35	1/4		1/4	1/4		1/4		1/4
1/2	2,011.04	1/2	1,650.43	1/2	1,289.08	1/2	927.83	1/2	576.91	1/2	218.82	1/2		1/2	1/2		1/2		1/2
3/4	2,003.53	3/4	1,642.90	3/4	1,281.55	3/4	920.31	3/4	569.67	3/4	211.28	3/4		3/4	3/4		3/4		3/4
9	1,996.02	9	1,635.38	9	1,274.02	9	912.79	9	562.43	9	203.75	9		9	9		9		9
1/4	1,988.51	1/4	1,627.85	1/4	1,266.49	1/4	905.27	1/4	555.19	1/4	196.22	1/4		1/4	1/4		1/4		1/4
1/2	1,981.00	1/2	1,620.32	1/2	1,258.97	1/2	897.76	1/2	547.95	1/2	188.69	1/2		1/2	1/2		1/2		1/2
3/4	1,973.49	3/4	1,612.79	3/4	1,251.44	3/4	890.24	3/4	540.71	3/4	181.15	3/4		3/4	3/4		3/4		3/4
10	1,965.99	10	1,605.26	10	1,243.91	10	882.72	10	533.47	10	173.62	10		10	10		10		10
1/4	1,958.48	1/4	1,597.73	1/4	1,236.38	1/4	875.20	1/4	526.22	1/4	166.09	1/4		1/4	1/4		1/4		1/4
1/2	1,950.97	1/2	1,590.21	1/2	1,228.85	1/2	867.68	1/2	518.98	1/2	158.56	1/2		1/2	1/2		1/2		1/2
3/4	1,943.46	3/4	1,582.68	3/4	1,221.32	3/4	860.16	3/4	511.73	3/4	151.02	3/4		3/4	3/4		3/4		3/4
11	1,935.95	11	1,575.15	11	1,213.80	11	852.64	11	504.48	11	143.49	11		11	11		11		11
1/4	1,928.44	1/4	1,567.62	1/4	1,206.27	1/4	845.12	1/4	497.23	1/4	135.96	1/4		1/4	1/4		1/4		1/4
1/2	1,920.93	1/2	1,560.09	1/2	1,198.74	1/2	837.60	1/2	489.98	1/2	128.43	1/2		1/2	1/2		1/2		1/2
3/4	1,913.43	3/4	1,552.57	3/4	1,191.21	3/4	830.36	3/4	482.45	3/4	120.89	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2012 CL - SW  
CALCULATED: 05/18/2012 CL  
PRINTED: 05/18/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2012

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



# BARGE "EMS 376"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,582.12	0	4,277.01	0	3,970.62	0	3,664.24	0	3,352.19	0	2,991.68	0	2,631.00
1/4		1/4		1/4		1/4	4,575.77	1/4	4,270.62	1/4	3,964.24	1/4	3,657.86	1/4	3,344.68	1/4	2,984.17	1/4	2,623.49
1/2		1/2		1/2		1/2	4,569.43	1/2	4,264.24	1/2	3,957.86	1/2	3,651.47	1/2	3,337.16	1/2	2,976.66	1/2	2,615.97
3/4		3/4		3/4		3/4	4,563.08	3/4	4,257.86	3/4	3,951.47	3/4	3,645.09	3/4	3,329.65	3/4	2,969.15	3/4	2,608.45
1		1		1		1	4,556.73	1	4,251.48	1	3,945.09	1	3,638.71	1	3,322.13	1	2,961.64	1	2,600.94
1/4		1/4		1/4		1/4	4,550.39	1/4	4,245.09	1/4	3,938.71	1/4	3,632.32	1/4	3,314.62	1/4	2,954.13	1/4	2,593.42
1/2		1/2		1/2		1/2	4,544.04	1/2	4,238.71	1/2	3,932.33	1/2	3,625.94	1/2	3,307.10	1/2	2,946.62	1/2	2,585.91
3/4		3/4		3/4		3/4	4,537.69	3/4	4,232.33	3/4	3,925.94	3/4	3,619.56	3/4	3,299.59	3/4	2,939.11	3/4	2,578.39
2		2		2		2	4,531.35	2	4,225.94	2	3,919.56	2	3,613.18	2	3,292.07	2	2,931.60	2	2,570.87
1/4		1/4		1/4		1/4	4,525.00	1/4	4,219.56	1/4	3,913.18	1/4	3,606.79	1/4	3,284.55	1/4	2,924.10	1/4	2,563.36
1/2		1/2		1/2		1/2	4,518.65	1/2	4,213.18	1/2	3,906.79	1/2	3,600.41	1/2	3,277.04	1/2	2,916.59	1/2	2,555.84
3/4		3/4		3/4		3/4	4,512.31	3/4	4,206.79	3/4	3,900.41	3/4	3,594.03	3/4	3,269.52	3/4	2,909.08	3/4	2,548.32
3		3		3		3	4,505.96	3	4,200.41	3	3,894.03	3	3,587.64	3	3,262.01	3	2,901.57	3	2,540.82
1/4		1/4		1/4		1/4	4,499.61	1/4	4,194.03	1/4	3,887.64	1/4	3,581.26	1/4	3,254.49	1/4	2,894.06	1/4	2,533.31
1/2		1/2		1/2		1/2	4,493.27	1/2	4,187.65	1/2	3,881.26	1/2	3,574.88	1/2	3,246.98	1/2	2,886.55	1/2	2,525.80
3/4		3/4		3/4		3/4	4,486.92	3/4	4,181.26	3/4	3,874.88	3/4	3,568.49	3/4	3,239.46	3/4	2,879.04	3/4	2,518.30
4		4		4		4	4,480.57	4	4,174.88	4	3,868.50	4	3,562.11	4	3,231.95	4	2,871.53	4	2,510.79
1/4		1/4		1/4		1/4	4,474.23	1/4	4,168.50	1/4	3,862.11	1/4	3,555.73	1/4	3,224.45	1/4	2,864.01	1/4	2,503.28
1/2		1/2		1/2		1/2	4,467.88	1/2	4,162.11	1/2	3,855.73	1/2	3,549.35	1/2	3,216.94	1/2	2,856.49	1/2	2,495.77
3/4		3/4		3/4		3/4	4,461.53	3/4	4,155.73	3/4	3,849.35	3/4	3,542.96	3/4	3,209.43	3/4	2,848.98	3/4	2,488.27
5		5		5		5	4,455.19	5	4,149.35	5	3,842.96	5	3,536.58	5	3,201.92	5	2,841.46	5	2,480.76
1/4		1/4		1/4		1/4	4,448.84	1/4	4,142.96	1/4	3,836.58	1/4	3,530.20	1/4	3,194.41	1/4	2,833.94	1/4	2,473.25
1/2		1/2		1/2		1/2	4,442.49	1/2	4,136.58	1/2	3,830.20	1/2	3,523.81	1/2	3,186.91	1/2	2,826.43	1/2	2,465.75
3/4		3/4		3/4		3/4	4,436.15	3/4	4,130.20	3/4	3,823.81	3/4	3,517.43	3/4	3,179.40	3/4	2,818.91	3/4	2,458.24
6		6	4,739.40	6	4,429.80	6	4,123.82	6	3,817.43	6	3,511.05	6	3,171.89	6	2,811.40	6	2,450.73		
1/4		1/4	4,733.71	1/4	4,423.45	1/4	4,117.43	1/4	3,811.05	1/4	3,504.66	1/4	3,164.38	1/4	2,803.88	1/4	2,443.23		
1/2		1/2	4,728.01	1/2	4,417.11	1/2	4,111.05	1/2	3,804.67	1/2	3,498.28	1/2	3,156.87	1/2	2,796.36	1/2	2,435.72		
3/4		3/4	4,722.32	3/4	4,410.76	3/4	4,104.67	3/4	3,798.28	3/4	3,491.90	3/4	3,149.36	3/4	2,788.85	3/4	2,428.21		
7		7	4,715.30	7	4,404.41	7	4,098.28	7	3,791.90	7	3,485.52	7	3,141.85	7	2,781.33	7	2,420.70		
1/4		1/4	4,708.28	1/4	4,398.07	1/4	4,091.90	1/4	3,785.52	1/4	3,479.13	1/4	3,134.34	1/4	2,773.81	1/4	2,413.20		
1/2		1/2	4,701.26	1/2	4,391.72	1/2	4,085.52	1/2	3,779.13	1/2	3,472.75	1/2	3,126.84	1/2	2,766.30	1/2	2,405.69		
3/4		3/4	4,694.24	3/4	4,385.37	3/4	4,079.13	3/4	3,772.75	3/4	3,466.37	3/4	3,119.33	3/4	2,758.78	3/4	2,398.18		
8		8	4,686.84	8	4,379.03	8	4,072.75	8	3,766.37	8	3,459.98	8	3,111.82	8	2,751.26	8	2,390.68		
1/4		1/4	4,679.44	1/4	4,372.68	1/4	4,066.37	1/4	3,759.98	1/4	3,453.60	1/4	3,104.31	1/4	2,743.75	1/4	2,383.17		
1/2		1/2	4,672.03	1/2	4,366.33	1/2	4,059.99	1/2	3,753.60	1/2	3,447.22	1/2	3,096.80	1/2	2,736.23	1/2	2,375.66		
3/4		3/4	4,664.63	3/4	4,359.99	3/4	4,053.60	3/4	3,747.22	3/4	3,440.83	3/4	3,089.29	3/4	2,728.72	3/4	2,368.15		
9		9	4,658.28	9	4,353.60	9	4,047.22	9	3,740.84	9	3,434.45	9	3,081.78	9	2,721.20	9	2,360.65		
1/4		1/4	4,651.93	1/4	4,347.22	1/4	4,040.84	1/4	3,734.45	1/4	3,428.07	1/4	3,074.27	1/4	2,713.68	1/4	2,353.14		
1/2		1/2	4,645.59	1/2	4,340.84	1/2	4,034.45	1/2	3,728.07	1/2	3,421.69	1/2	3,066.76	1/2	2,706.17	1/2	2,345.63		
3/4		3/4	4,639.24	3/4	4,334.45	3/4	4,028.07	3/4	3,721.69	3/4	3,415.30	3/4	3,059.26	3/4	2,698.65	3/4	2,338.13		
10		10	4,632.89	10	4,328.07	10	4,021.69	10	3,715.30	10	3,408.92	10	3,051.75	10	2,691.13	10	2,330.62		
1/4		1/4	4,626.55	1/4	4,321.69	1/4	4,015.30	1/4	3,708.92	1/4	3,402.54	1/4	3,044.24	1/4	2,683.62	1/4	2,323.11		
1/2		1/2	4,620.20	1/2	4,315.31	1/2	4,008.92	1/2	3,702.54	1/2	3,396.15	1/2	3,036.73	1/2	2,676.10	1/2	2,315.60		
3/4		3/4	4,613.85	3/4	4,308.92	3/4	4,002.54	3/4	3,696.15	3/4	3,389.77	3/4	3,029.22	3/4	2,668.59	3/4	2,308.10		
11		11	4,607.51	11	4,302.54	11	3,996.16	11	3,689.77	11	3,382.26	11	3,021.71	11	2,661.07	11	2,300.58		
1/4		1/4	4,601.16	1/4	4,296.16	1/4	3,989.77	1/4	3,683.39	1/4	3,374.74	1/4	3,014.20	1/4	2,653.55	1/4	2,293.06		
1/2		1/2	4,594.81	1/2	4,289.77	1/2	3,983.39	1/2	3,677.01	1/2	3,367.22	1/2	3,006.69	1/2	2,646.04	1/2	2,285.54		
3/4		3/4	4,588.47	3/4	4,283.39	3/4	3,977.01	3/4	3,670.62	3/4	3,359.71	3/4	2,999.18	3/4	2,638.52	3/4	2,278.03		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "EMS 376"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,270.51	0	1,911.43	0	1,552.59	0	1,191.89	0	831.42	0	481.53	0	120.71	0		0		0	
1/4	2,262.99	1/4	1,903.99	1/4	1,545.07	1/4	1,184.38	1/4	824.12	1/4	474.01	1/4	113.19	1/4	1/4		1/4		1/4
1/2	2,255.47	1/2	1,896.55	1/2	1,537.56	1/2	1,176.86	1/2	816.83	1/2	466.49	1/2	105.67	1/2	1/2		1/2		1/2
3/4	2,247.95	3/4	1,889.11	3/4	1,530.04	3/4	1,169.35	3/4	809.54	3/4	458.98	3/4	98.16	3/4	3/4		3/4		3/4
1	2,240.44	1	1,881.67	1	1,522.53	1	1,161.83	1	802.25	1	451.46	1	90.64	1	1		1		1
1/4	2,232.92	1/4	1,874.22	1/4	1,515.01	1/4	1,154.32	1/4	794.95	1/4	443.94	1/4	83.12	1/4	1/4		1/4		1/4
1/2	2,225.40	1/2	1,866.78	1/2	1,507.50	1/2	1,146.80	1/2	787.66	1/2	436.43	1/2	75.61	1/2	1/2		1/2		1/2
3/4	2,217.88	3/4	1,859.34	3/4	1,499.98	3/4	1,139.29	3/4	780.37	3/4	428.91	3/4	68.09	3/4	3/4		3/4		3/4
2	2,210.37	2	1,851.90	2	1,492.47	2	1,131.77	2	773.08	2	421.39	2	60.84	2	2		2		2
1/4	2,202.85	1/4	1,844.46	1/4	1,484.96	1/4	1,124.26	1/4	765.78	1/4	413.88	1/4	53.59	1/4	1/4		1/4		1/4
1/2	2,195.33	1/2	1,837.02	1/2	1,477.44	1/2	1,116.75	1/2	758.49	1/2	406.36	1/2	46.34	1/2	1/2		1/2		1/2
3/4	2,187.81	3/4	1,829.58	3/4	1,469.93	3/4	1,109.23	3/4	751.20	3/4	398.84	3/4	39.10	3/4	3/4		3/4		3/4
3	2,180.29	3	1,822.14	3	1,462.41	3	1,101.72	3	743.92	3	391.32	3	33.72	3	3		3		3
1/4	2,172.78	1/4	1,814.70	1/4	1,454.90	1/4	1,094.20	1/4	736.64	1/4	383.81	1/4	28.34	1/4	1/4		1/4		1/4
1/2	2,165.26	1/2	1,807.26	1/2	1,447.38	1/2	1,086.69	1/2	729.35	1/2	376.29	1/2	22.97	1/2	1/2		1/2		1/2
3/4	2,157.74	3/4	1,799.82	3/4	1,439.87	3/4	1,079.17	3/4	722.07	3/4	368.77	3/4	17.59	3/4	3/4		3/4		3/4
4	2,150.22	4	1,792.38	4	1,432.35	4	1,071.66	4	714.79	4	361.26	4		4	4		4		4
1/4	2,142.71	1/4	1,784.94	1/4	1,424.84	1/4	1,064.14	1/4	707.51	1/4	353.74	1/4		1/4	1/4		1/4		1/4
1/2	2,135.19	1/2	1,777.50	1/2	1,417.33	1/2	1,056.63	1/2	700.23	1/2	346.22	1/2		1/2	1/2		1/2		1/2
3/4	2,127.67	3/4	1,770.05	3/4	1,409.81	3/4	1,049.11	3/4	692.94	3/4	338.70	3/4		3/4	3/4		3/4		3/4
5	2,120.15	5	1,762.61	5	1,402.30	5	1,041.60	5	685.66	5	331.19	5		5	5		5		5
1/4	2,112.63	1/4	1,755.17	1/4	1,394.78	1/4	1,034.09	1/4	678.38	1/4	323.67	1/4		1/4	1/4		1/4		1/4
1/2	2,105.12	1/2	1,747.73	1/2	1,387.27	1/2	1,026.57	1/2	671.10	1/2	316.15	1/2		1/2	1/2		1/2		1/2
3/4	2,097.60	3/4	1,740.29	3/4	1,379.75	3/4	1,019.06	3/4	663.82	3/4	308.64	3/4		3/4	3/4		3/4		3/4
6	2,090.12	6	1,732.82	6	1,372.24	6	1,011.54	6	656.54	6	301.12	6		6	6		6		6
1/4	2,082.64	1/4	1,725.34	1/4	1,364.72	1/4	1,004.03	1/4	649.26	1/4	293.60	1/4		1/4	1/4		1/4		1/4
1/2	2,075.16	1/2	1,717.87	1/2	1,357.21	1/2	996.51	1/2	641.98	1/2	286.08	1/2		1/2	1/2		1/2		1/2
3/4	2,067.68	3/4	1,710.39	3/4	1,349.69	3/4	989.00	3/4	634.71	3/4	278.57	3/4		3/4	3/4		3/4		3/4
7	2,060.24	7	1,702.88	7	1,342.18	7	981.48	7	627.43	7	271.05	7		7	7		7		7
1/4	2,052.80	1/4	1,695.36	1/4	1,334.67	1/4	973.97	1/4	620.15	1/4	263.53	1/4		1/4	1/4		1/4		1/4
1/2	2,045.36	1/2	1,687.85	1/2	1,327.15	1/2	966.46	1/2	612.87	1/2	256.02	1/2		1/2	1/2		1/2		1/2
3/4	2,037.92	3/4	1,680.33	3/4	1,319.64	3/4	958.94	3/4	605.60	3/4	248.50	3/4		3/4	3/4		3/4		3/4
8	2,030.48	8	1,672.82	8	1,312.12	8	951.43	8	598.31	8	240.98	8		8	8		8		8
1/4	2,023.04	1/4	1,665.30	1/4	1,304.61	1/4	943.91	1/4	591.03	1/4	233.46	1/4		1/4	1/4		1/4		1/4
1/2	2,015.60	1/2	1,657.79	1/2	1,297.09	1/2	936.40	1/2	583.75	1/2	225.95	1/2		1/2	1/2		1/2		1/2
3/4	2,008.16	3/4	1,650.27	3/4	1,289.58	3/4	928.88	3/4	576.47	3/4	218.43	3/4		3/4	3/4		3/4		3/4
9	2,000.72	9	1,642.76	9	1,282.06	9	921.37	9	569.19	9	210.91	9		9	9		9		9
1/4	1,993.28	1/4	1,635.25	1/4	1,274.55	1/4	913.85	1/4	561.90	1/4	203.40	1/4		1/4	1/4		1/4		1/4
1/2	1,985.83	1/2	1,627.73	1/2	1,267.04	1/2	906.34	1/2	554.62	1/2	195.88	1/2		1/2	1/2		1/2		1/2
3/4	1,978.39	3/4	1,620.22	3/4	1,259.52	3/4	898.82	3/4	547.34	3/4	188.36	3/4		3/4	3/4		3/4		3/4
10	1,970.95	10	1,612.70	10	1,252.01	10	891.31	10	540.06	10	180.85	10		10	10		10		10
1/4	1,963.51	1/4	1,605.19	1/4	1,244.49	1/4	883.80	1/4	532.78	1/4	173.33	1/4		1/4	1/4		1/4		1/4
1/2	1,956.07	1/2	1,597.67	1/2	1,236.98	1/2	876.28	1/2	525.49	1/2	165.81	1/2		1/2	1/2		1/2		1/2
3/4	1,948.63	3/4	1,590.16	3/4	1,229.46	3/4	868.77	3/4	518.21	3/4	158.29	3/4		3/4	3/4		3/4		3/4
11	1,941.19	11	1,582.64	11	1,221.95	11	861.25	11	510.92	11	150.78	11		11	11		11		11
1/4	1,933.75	1/4	1,575.13	1/4	1,214.43	1/4	853.74	1/4	503.63	1/4	143.26	1/4		1/4	1/4		1/4		1/4
1/2	1,926.31	1/2	1,567.62	1/2	1,206.92	1/2	846.22	1/2	496.34	1/2	135.74	1/2		1/2	1/2		1/2		1/2
3/4	1,918.87	3/4	1,560.10	3/4	1,199.40	3/4	838.71	3/4	489.05	3/4	128.23	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2012 CL - SW  
CALCULATED: 05/18/2012 CL  
PRINTED: 05/18/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2012

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