



# BARGE "EMS 374"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-00"

December 21, 2011

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
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# BARGE "EMS 374"

1 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.65	0	255.46	0	537.01	0	837.33	0	1,157.93	0	1,489.18	0	1,820.42	0	2,151.66	0	2,482.91	0	2,814.14
1/4	5.94	1/4	261.13	1/4	543.10	1/4	843.79	1/4	1,164.84	1/4	1,496.08	1/4	1,827.32	1/4	2,158.56	1/4	2,489.81	1/4	2,821.04
1/2	9.23	1/2	266.81	1/2	549.19	1/2	850.26	1/2	1,171.74	1/2	1,502.98	1/2	1,834.22	1/2	2,165.47	1/2	2,496.71	1/2	2,827.94
3/4	12.52	3/4	272.48	3/4	555.28	3/4	856.72	3/4	1,178.64	3/4	1,509.88	3/4	1,841.12	3/4	2,172.37	3/4	2,503.61	3/4	2,834.84
1	15.81	1	278.16	1	561.37	1	863.18	1	1,185.54	1	1,516.78	1	1,848.02	1	2,179.27	1	2,510.51	1	2,841.74
1/4	20.86	1/4	283.87	1/4	567.50	1/4	869.68	1/4	1,192.44	1/4	1,523.68	1/4	1,854.93	1/4	2,186.17	1/4	2,517.41	1/4	2,848.64
1/2	25.91	1/2	289.58	1/2	573.62	1/2	876.17	1/2	1,199.34	1/2	1,530.58	1/2	1,861.83	1/2	2,193.07	1/2	2,524.31	1/2	2,855.54
3/4	30.96	3/4	295.29	3/4	579.74	3/4	882.67	3/4	1,206.24	3/4	1,537.48	3/4	1,868.73	3/4	2,199.97	3/4	2,531.21	3/4	2,862.44
2	36.01	2	301.00	2	585.87	2	889.17	2	1,213.14	2	1,544.38	2	1,875.63	2	2,206.87	2	2,538.11	2	2,869.34
1/4	41.34	1/4	306.75	1/4	592.03	1/4	895.70	1/4	1,220.04	1/4	1,551.29	1/4	1,882.53	1/4	2,213.77	1/4	2,545.02	1/4	2,876.24
1/2	46.67	1/2	312.49	1/2	598.19	1/2	902.23	1/2	1,226.94	1/2	1,558.19	1/2	1,889.43	1/2	2,220.67	1/2	2,551.92	1/2	2,883.14
3/4	52.00	3/4	318.24	3/4	604.35	3/4	908.76	3/4	1,233.84	3/4	1,565.09	3/4	1,896.33	3/4	2,227.57	3/4	2,558.82	3/4	2,890.04
3	57.33	3	323.98	3	610.50	3	915.29	3	1,240.75	3	1,571.99	3	1,903.23	3	2,234.47	3	2,565.72	3	2,896.94
1/4	62.70	1/4	329.76	1/4	616.70	1/4	921.87	1/4	1,247.65	1/4	1,578.89	1/4	1,910.13	1/4	2,241.38	1/4	2,572.62	1/4	2,903.84
1/2	68.06	1/2	335.54	1/2	622.89	1/2	928.46	1/2	1,254.55	1/2	1,585.79	1/2	1,917.03	1/2	2,248.28	1/2	2,579.52	1/2	2,910.74
3/4	73.43	3/4	341.32	3/4	629.09	3/4	935.04	3/4	1,261.45	3/4	1,592.69	3/4	1,923.93	3/4	2,255.18	3/4	2,586.42	3/4	2,917.64
4	78.79	4	347.10	4	635.28	4	941.62	4	1,268.35	4	1,599.59	4	1,930.84	4	2,262.08	4	2,593.32	4	2,924.54
1/4	84.19	1/4	352.91	1/4	641.51	1/4	948.24	1/4	1,275.25	1/4	1,606.49	1/4	1,937.74	1/4	2,268.98	1/4	2,600.22	1/4	2,931.44
1/2	89.59	1/2	358.73	1/2	647.73	1/2	954.86	1/2	1,282.15	1/2	1,613.39	1/2	1,944.64	1/2	2,275.88	1/2	2,607.12	1/2	2,938.34
3/4	94.99	3/4	364.54	3/4	653.96	3/4	961.47	3/4	1,289.05	3/4	1,620.29	3/4	1,951.54	3/4	2,282.78	3/4	2,614.02	3/4	2,945.24
5	100.39	5	370.36	5	660.19	5	968.09	5	1,295.95	5	1,627.20	5	1,958.44	5	2,289.68	5	2,620.93	5	2,952.14
1/4	105.83	1/4	376.20	1/4	666.42	1/4	974.77	1/4	1,302.85	1/4	1,634.10	1/4	1,965.34	1/4	2,296.58	1/4	2,627.83	1/4	2,959.04
1/2	111.26	1/2	382.05	1/2	672.66	1/2	981.44	1/2	1,309.75	1/2	1,641.00	1/2	1,972.24	1/2	2,303.48	1/2	2,634.73	1/2	2,965.94
3/4	116.70	3/4	387.90	3/4	678.89	3/4	988.12	3/4	1,316.65	3/4	1,647.90	3/4	1,979.14	3/4	2,310.38	3/4	2,641.63	3/4	2,972.84
6	122.13	6	393.75	6	685.12	6	994.80	6	1,323.56	6	1,654.80	6	1,986.04	6	2,317.29	6	2,648.53	6	2,979.74
1/4	127.60	1/4	399.63	1/4	691.39	1/4	1,001.51	1/4	1,330.46	1/4	1,661.70	1/4	1,992.94	1/4	2,324.19	1/4	2,655.43	1/4	2,986.64
1/2	133.07	1/2	405.52	1/2	697.66	1/2	1,008.22	1/2	1,337.36	1/2	1,668.60	1/2	1,999.84	1/2	2,331.09	1/2	2,662.33	1/2	2,993.54
3/4	138.54	3/4	411.40	3/4	703.93	3/4	1,014.93	3/4	1,344.26	3/4	1,675.50	3/4	2,006.74	3/4	2,337.99	3/4	2,669.23	3/4	3,000.44
7	144.01	7	417.28	7	710.20	7	1,021.64	7	1,351.16	7	1,682.40	7	2,013.65	7	2,344.89	7	2,676.13	7	3,007.34
1/4	149.51	1/4	423.20	1/4	716.49	1/4	1,028.39	1/4	1,358.06	1/4	1,689.30	1/4	2,020.55	1/4	2,351.79	1/4	2,683.03	1/4	3,014.24
1/2	155.01	1/2	429.12	1/2	722.78	1/2	1,035.13	1/2	1,364.96	1/2	1,696.20	1/2	2,027.45	1/2	2,358.69	1/2	2,689.93	1/2	3,021.14
3/4	160.52	3/4	435.03	3/4	729.07	3/4	1,041.88	3/4	1,371.86	3/4	1,703.11	3/4	2,034.35	3/4	2,365.59	3/4	2,696.83	3/4	3,028.04
8	166.02	8	440.95	8	735.36	8	1,048.63	8	1,378.76	8	1,710.01	8	2,041.25	8	2,372.49	8	2,703.74	8	3,034.94
1/4	171.56	1/4	446.90	1/4	741.68	1/4	1,055.41	1/4	1,385.66	1/4	1,716.91	1/4	2,048.15	1/4	2,379.39	1/4	2,710.64	1/4	3,041.83
1/2	177.10	1/2	452.86	1/2	748.00	1/2	1,062.19	1/2	1,392.56	1/2	1,723.81	1/2	2,055.05	1/2	2,386.29	1/2	2,717.54	1/2	3,048.73
3/4	182.63	3/4	458.81	3/4	754.33	3/4	1,068.97	3/4	1,399.47	3/4	1,730.71	3/4	2,061.95	3/4	2,393.20	3/4	2,724.44	3/4	3,055.63
9	188.17	9	464.76	9	760.65	9	1,075.75	9	1,406.37	9	1,737.61	9	2,068.85	9	2,400.10	9	2,731.34	9	3,062.53
1/4	193.75	1/4	470.75	1/4	767.01	1/4	1,082.56	1/4	1,413.27	1/4	1,744.51	1/4	2,075.75	1/4	2,407.00	1/4	2,738.24	1/4	3,069.43
1/2	199.32	1/2	476.73	1/2	773.37	1/2	1,089.37	1/2	1,420.17	1/2	1,751.41	1/2	2,082.65	1/2	2,413.90	1/2	2,745.14	1/2	3,076.33
3/4	204.89	3/4	482.72	3/4	779.73	3/4	1,096.19	3/4	1,427.07	3/4	1,758.31	3/4	2,089.56	3/4	2,420.80	3/4	2,752.04	3/4	3,083.23
10	210.46	10	488.71	10	786.09	10	1,103.00	10	1,433.97	10	1,765.21	10	2,096.46	10	2,427.70	10	2,758.94	10	3,090.13
1/4	216.07	1/4	494.73	1/4	792.47	1/4	1,109.85	1/4	1,440.87	1/4	1,772.11	1/4	2,103.36	1/4	2,434.60	1/4	2,765.84	1/4	3,097.03
1/2	221.68	1/2	500.75	1/2	798.86	1/2	1,116.70	1/2	1,447.77	1/2	1,779.02	1/2	2,110.26	1/2	2,441.50	1/2	2,772.74	1/2	3,103.93
3/4	227.28	3/4	506.77	3/4	805.25	3/4	1,123.55	3/4	1,454.67	3/4	1,785.92	3/4	2,117.16	3/4	2,448.40	3/4	2,779.64	3/4	3,110.83
11	232.89	11	512.79	11	811.64	11	1,130.40	11	1,461.57	11	1,792.82	11	2,124.06	11	2,455.30	11	2,786.54	11	3,117.73
1/4	238.53	1/4	518.84	1/4	818.06	1/4	1,137.28	1/4	1,468.47	1/4	1,799.72	1/4	2,130.96	1/4	2,462.20	1/4	2,793.44	1/4	3,124.63
1/2	244.17	1/2	524.90	1/2	824.49	1/2	1,144.17	1/2	1,475.38	1/2	1,806.62	1/2	2,137.86	1/2	2,469.11	1/2	2,800.34	1/2	3,131.53
3/4	249.82	3/4	530.96	3/4	830.91	3/4	1,151.05	3/4	1,482.28	3/4	1,813.52	3/4	2,144.76	3/4	2,476.01	3/4	2,807.24	3/4	3,138.43

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "EMS 374"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,145.33	0	3,476.52	0	3,807.71	0	4,138.11	0		0		0		0		0		0	
1/4	3,152.23	1/4	3,483.42	1/4	3,814.61	1/4	4,144.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,159.13	1/2	3,490.32	1/2	3,821.51	1/2	4,151.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,166.03	3/4	3,497.22	3/4	3,828.41	3/4	4,158.69	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,172.93	1	3,504.12	1	3,835.31	1	4,165.55	1		1		1		1		1		1	
1/4	3,179.83	1/4	3,511.02	1/4	3,842.21	1/4	4,172.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,186.73	1/2	3,517.92	1/2	3,849.11	1/2	4,179.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,193.63	3/4	3,524.82	3/4	3,856.01	3/4	4,186.13	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,200.53	2	3,531.72	2	3,862.91	2	4,192.99	2		2		2		2		2		2	
1/4	3,207.43	1/4	3,538.62	1/4	3,869.81	1/4	4,199.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,214.33	1/2	3,545.52	1/2	3,876.71	1/2	4,206.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,221.23	3/4	3,552.42	3/4	3,883.61	3/4	4,213.57	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,228.13	3	3,559.32	3	3,890.51	3	4,220.43	3		3		3		3		3		3	
1/4	3,235.03	1/4	3,566.22	1/4	3,897.41	1/4	4,227.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,241.93	1/2	3,573.12	1/2	3,904.31	1/2	4,234.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,248.83	3/4	3,580.02	3/4	3,911.21	3/4	4,241.01	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,255.73	4	3,586.92	4	3,918.11	4	4,247.87	4		4		4		4		4		4	
1/4	3,262.63	1/4	3,593.82	1/4	3,925.01	1/4	4,254.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,269.53	1/2	3,600.72	1/2	3,931.91	1/2	4,261.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,276.43	3/4	3,607.62	3/4	3,938.81	3/4	4,268.45	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,283.33	5	3,614.52	5	3,945.71	5	4,275.31	5		5		5		5		5		5	
1/4	3,290.23	1/4	3,621.42	1/4	3,952.61	1/4	4,282.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,297.13	1/2	3,628.32	1/2	3,959.51	1/2	4,289.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,304.03	3/4	3,635.22	3/4	3,966.41	3/4	4,295.89	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,310.93	6	3,642.12	6	3,973.31	6	4,302.75	6		6		6		6		6		6	
1/4	3,317.83	1/4	3,649.02	1/4	3,980.21	1/4	4,309.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,324.73	1/2	3,655.92	1/2	3,987.11	1/2	4,316.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,331.63	3/4	3,662.82	3/4	3,994.01	3/4	4,323.33	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,338.53	7	3,669.72	7	4,000.91	7	4,330.19	7		7		7		7		7		7	
1/4	3,345.43	1/4	3,676.62	1/4	4,007.77	1/4	4,336.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,352.33	1/2	3,683.52	1/2	4,014.63	1/2	4,343.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,359.23	3/4	3,690.42	3/4	4,021.49	3/4	4,350.55	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,366.13	8	3,697.32	8	4,028.35	8	4,357.33	8		8		8		8		8		8	
1/4	3,373.03	1/4	3,704.22	1/4	4,035.21	1/4	4,363.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,379.93	1/2	3,711.12	1/2	4,042.07	1/2	4,370.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,386.82	3/4	3,718.02	3/4	4,048.93	3/4	4,376.64	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,393.72	9	3,724.92	9	4,055.79	9	4,383.08	9		9		9		9		9		9	
1/4	3,400.62	1/4	3,731.81	1/4	4,062.65	1/4	4,388.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,407.52	1/2	3,738.71	1/2	4,069.51	1/2	4,393.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,414.42	3/4	3,745.61	3/4	4,076.37	3/4	4,398.73	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,421.32	10	3,752.51	10	4,083.23	10	=====	10		10		10		10		10		10	
1/4	3,428.22	1/4	3,759.41	1/4	4,090.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,435.12	1/2	3,766.31	1/2	4,096.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,442.02	3/4	3,773.21	3/4	4,103.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,448.92	11	3,780.11	11	4,110.67	11		11		11		11		11		11		11	
1/4	3,455.82	1/4	3,787.01	1/4	4,117.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,462.72	1/2	3,793.91	1/2	4,124.39	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,469.62	3/4	3,800.81	3/4	4,131.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2011 CL - SW  
CALCULATED: 11/01/2011 CL  
REPRINTED: 12/21/2011 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2011

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "EMS 374"

**1 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.65	0	255.57	0	537.22	0	838.44	0	1,159.68	0	1,491.01	0	1,822.34	0	2,153.67	0	2,485.00	0	2,816.32
1/4	5.95	1/4	261.24	1/4	543.31	1/4	844.94	1/4	1,166.58	1/4	1,497.91	1/4	1,829.24	1/4	2,160.57	1/4	2,491.90	1/4	2,823.22
1/2	9.24	1/2	266.92	1/2	549.40	1/2	851.43	1/2	1,173.48	1/2	1,504.81	1/2	1,836.14	1/2	2,167.47	1/2	2,498.80	1/2	2,830.12
3/4	12.53	3/4	272.60	3/4	555.50	3/4	857.92	3/4	1,180.39	3/4	1,511.72	3/4	1,843.05	3/4	2,174.38	3/4	2,505.71	3/4	2,837.02
1	15.82	1	278.28	1	561.59	1	864.41	1	1,187.29	1	1,518.62	1	1,849.95	1	2,181.28	1	2,512.61	1	2,843.92
1/4	20.87	1/4	283.99	1/4	567.72	1/4	870.94	1/4	1,194.19	1/4	1,525.52	1/4	1,856.85	1/4	2,188.18	1/4	2,519.51	1/4	2,850.83
1/2	25.93	1/2	289.70	1/2	573.84	1/2	877.47	1/2	1,201.10	1/2	1,532.42	1/2	1,863.75	1/2	2,195.08	1/2	2,526.41	1/2	2,857.73
3/4	30.98	3/4	295.42	3/4	579.97	3/4	884.00	3/4	1,208.00	3/4	1,539.33	3/4	1,870.66	3/4	2,201.99	3/4	2,533.32	3/4	2,864.63
2	36.03	2	301.13	2	586.09	2	890.52	2	1,214.90	2	1,546.23	2	1,877.56	2	2,208.89	2	2,540.22	2	2,871.53
1/4	41.36	1/4	306.88	1/4	592.26	1/4	897.09	1/4	1,221.80	1/4	1,553.13	1/4	1,884.46	1/4	2,215.79	1/4	2,547.12	1/4	2,878.43
1/2	46.70	1/2	312.62	1/2	598.42	1/2	903.65	1/2	1,228.71	1/2	1,560.04	1/2	1,891.37	1/2	2,222.69	1/2	2,554.02	1/2	2,885.33
3/4	52.03	3/4	318.37	3/4	604.58	3/4	910.21	3/4	1,235.61	3/4	1,566.94	3/4	1,898.27	3/4	2,229.60	3/4	2,560.93	3/4	2,892.24
3	57.36	3	324.12	3	610.74	3	916.77	3	1,242.51	3	1,573.84	3	1,905.17	3	2,236.50	3	2,567.83	3	2,899.14
1/4	62.73	1/4	329.90	1/4	616.93	1/4	923.38	1/4	1,249.41	1/4	1,580.74	1/4	1,912.07	1/4	2,243.40	1/4	2,574.73	1/4	2,906.04
1/2	68.10	1/2	335.68	1/2	623.13	1/2	929.99	1/2	1,256.32	1/2	1,587.65	1/2	1,918.98	1/2	2,250.31	1/2	2,581.64	1/2	2,912.94
3/4	73.47	3/4	341.46	3/4	629.32	3/4	936.60	3/4	1,263.22	3/4	1,594.55	3/4	1,925.88	3/4	2,257.21	3/4	2,588.54	3/4	2,919.84
4	78.83	4	347.24	4	635.52	4	943.21	4	1,270.12	4	1,601.45	4	1,932.78	4	2,264.11	4	2,595.44	4	2,926.74
1/4	84.24	1/4	353.06	1/4	641.75	1/4	949.85	1/4	1,277.02	1/4	1,608.35	1/4	1,939.68	1/4	2,271.01	1/4	2,602.34	1/4	2,933.65
1/2	89.64	1/2	358.88	1/2	647.98	1/2	956.50	1/2	1,283.93	1/2	1,615.26	1/2	1,946.59	1/2	2,277.92	1/2	2,609.25	1/2	2,940.55
3/4	95.04	3/4	364.69	3/4	654.21	3/4	963.14	3/4	1,290.83	3/4	1,622.16	3/4	1,953.49	3/4	2,284.82	3/4	2,616.15	3/4	2,947.45
5	100.44	5	370.51	5	660.44	5	969.78	5	1,297.73	5	1,629.06	5	1,960.39	5	2,291.72	5	2,623.05	5	2,954.35
1/4	105.88	1/4	376.36	1/4	666.70	1/4	976.46	1/4	1,304.64	1/4	1,635.97	1/4	1,967.29	1/4	2,298.62	1/4	2,629.95	1/4	2,961.25
1/2	111.32	1/2	382.21	1/2	672.97	1/2	983.14	1/2	1,311.54	1/2	1,642.87	1/2	1,974.20	1/2	2,305.53	1/2	2,636.86	1/2	2,968.15
3/4	116.75	3/4	388.06	3/4	679.23	3/4	989.82	3/4	1,318.44	3/4	1,649.77	3/4	1,981.10	3/4	2,312.43	3/4	2,643.76	3/4	2,975.05
6	122.19	6	393.91	6	685.50	6	996.50	6	1,325.34	6	1,656.67	6	1,988.00	6	2,319.33	6	2,650.66	6	2,981.96
1/4	127.66	1/4	399.80	1/4	691.80	1/4	1,003.21	1/4	1,332.25	1/4	1,663.58	1/4	1,994.91	1/4	2,326.24	1/4	2,657.56	1/4	2,988.86
1/2	133.13	1/2	405.68	1/2	698.10	1/2	1,009.92	1/2	1,339.15	1/2	1,670.48	1/2	2,001.81	1/2	2,333.14	1/2	2,664.47	1/2	2,995.76
3/4	138.60	3/4	411.57	3/4	704.39	3/4	1,016.64	3/4	1,346.05	3/4	1,677.38	3/4	2,008.71	3/4	2,340.04	3/4	2,671.37	3/4	3,002.66
7	144.07	7	417.45	7	710.69	7	1,023.35	7	1,352.95	7	1,684.28	7	2,015.61	7	2,346.94	7	2,678.27	7	3,009.56
1/4	149.58	1/4	423.37	1/4	717.01	1/4	1,030.10	1/4	1,359.86	1/4	1,691.19	1/4	2,022.52	1/4	2,353.85	1/4	2,685.18	1/4	3,016.46
1/2	155.09	1/2	429.29	1/2	723.33	1/2	1,036.84	1/2	1,366.76	1/2	1,698.09	1/2	2,029.42	1/2	2,360.75	1/2	2,692.08	1/2	3,023.37
3/4	160.59	3/4	435.21	3/4	729.65	3/4	1,043.59	3/4	1,373.66	3/4	1,704.99	3/4	2,036.32	3/4	2,367.65	3/4	2,698.98	3/4	3,030.27
8	166.10	8	441.13	8	735.97	8	1,050.34	8	1,380.57	8	1,711.89	8	2,043.22	8	2,374.55	8	2,705.88	8	3,037.17
1/4	171.64	1/4	447.08	1/4	742.33	1/4	1,057.12	1/4	1,387.47	1/4	1,718.80	1/4	2,050.13	1/4	2,381.46	1/4	2,712.79	1/4	3,044.07
1/2	177.18	1/2	453.04	1/2	748.68	1/2	1,063.90	1/2	1,394.37	1/2	1,725.70	1/2	2,057.03	1/2	2,388.36	1/2	2,719.69	1/2	3,050.97
3/4	182.72	3/4	458.99	3/4	755.04	3/4	1,070.69	3/4	1,401.27	3/4	1,732.60	3/4	2,063.93	3/4	2,395.26	3/4	2,726.59	3/4	3,057.87
9	188.26	9	464.94	9	761.39	9	1,077.47	9	1,408.18	9	1,739.51	9	2,070.84	9	2,402.16	9	2,733.49	9	3,064.78
1/4	193.83	1/4	470.93	1/4	767.78	1/4	1,084.28	1/4	1,415.08	1/4	1,746.41	1/4	2,077.74	1/4	2,409.07	1/4	2,740.40	1/4	3,071.68
1/2	199.41	1/2	476.92	1/2	774.17	1/2	1,091.10	1/2	1,421.98	1/2	1,753.31	1/2	2,084.64	1/2	2,415.97	1/2	2,747.30	1/2	3,078.58
3/4	204.98	3/4	482.91	3/4	780.56	3/4	1,097.92	3/4	1,428.88	3/4	1,760.21	3/4	2,091.54	3/4	2,422.87	3/4	2,754.20	3/4	3,085.48
10	210.56	10	488.90	10	786.95	10	1,104.73	10	1,435.79	10	1,767.12	10	2,098.45	10	2,429.78	10	2,761.11	10	3,092.38
1/4	216.16	1/4	494.92	1/4	793.37	1/4	1,111.58	1/4	1,442.69	1/4	1,774.02	1/4	2,105.35	1/4	2,436.68	1/4	2,768.01	1/4	3,099.28
1/2	221.77	1/2	500.94	1/2	799.79	1/2	1,118.44	1/2	1,449.59	1/2	1,780.92	1/2	2,112.25	1/2	2,443.58	1/2	2,774.91	1/2	3,106.19
3/4	227.38	3/4	506.97	3/4	806.21	3/4	1,125.29	3/4	1,456.49	3/4	1,787.82	3/4	2,119.15	3/4	2,450.48	3/4	2,781.81	3/4	3,113.09
11	232.99	11	512.99	11	812.63	11	1,132.14	11	1,463.40	11	1,794.73	11	2,126.06	11	2,457.39	11	2,788.71	11	3,119.99
1/4	238.64	1/4	519.05	1/4	819.08	1/4	1,139.02	1/4	1,470.30	1/4	1,801.63	1/4	2,132.96	1/4	2,464.29	1/4	2,795.61	1/4	3,126.89
1/2	244.28	1/2	525.11	1/2	825.54	1/2	1,145.91	1/2	1,477.20	1/2	1,808.53	1/2	2,139.86	1/2	2,471.19	1/2	2,802.51	1/2	3,133.79
3/4	249.92	3/4	531.16	3/4	831.99	3/4	1,152.79	3/4	1,484.11	3/4	1,815.44	3/4	2,146.76	3/4	2,478.09	3/4	2,809.42	3/4	3,140.69

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE  
GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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Pearland, Texas 77588  
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# BARGE "EMS 374"

**1 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,147.59	0	3,478.87	0	3,810.15	0	4,140.63	0		0		0		0		0		0	
1/4	3,154.50	1/4	3,485.77	1/4	3,817.05	1/4	4,147.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,161.40	1/2	3,492.67	1/2	3,823.95	1/2	4,154.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,168.30	3/4	3,499.58	3/4	3,830.85	3/4	4,161.22	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,175.20	1	3,506.48	1	3,837.75	1	4,168.08	1		1		1		1		1		1	
1/4	3,182.10	1/4	3,513.38	1/4	3,844.66	1/4	4,174.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,189.00	1/2	3,520.28	1/2	3,851.56	1/2	4,181.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,195.91	3/4	3,527.18	3/4	3,858.46	3/4	4,188.66	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,202.81	2	3,534.08	2	3,865.36	2	4,195.53	2		2		2		2		2		2	
1/4	3,209.71	1/4	3,540.99	1/4	3,872.26	1/4	4,202.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,216.61	1/2	3,547.89	1/2	3,879.16	1/2	4,209.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,223.51	3/4	3,554.79	3/4	3,886.07	3/4	4,216.11	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,230.41	3	3,561.69	3	3,892.97	3	4,222.97	3		3		3		3		3		3	
1/4	3,237.32	1/4	3,568.59	1/4	3,899.87	1/4	4,229.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,244.22	1/2	3,575.49	1/2	3,906.77	1/2	4,236.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,251.12	3/4	3,582.40	3/4	3,913.67	3/4	4,243.56	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,258.02	4	3,589.30	4	3,920.57	4	4,250.42	4		4		4		4		4		4	
1/4	3,264.92	1/4	3,596.20	1/4	3,927.48	1/4	4,257.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,271.82	1/2	3,603.10	1/2	3,934.38	1/2	4,264.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,278.73	3/4	3,610.00	3/4	3,941.28	3/4	4,271.01	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,285.63	5	3,616.90	5	3,948.18	5	4,277.87	5		5		5		5		5		5	
1/4	3,292.53	1/4	3,623.81	1/4	3,955.08	1/4	4,284.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,299.43	1/2	3,630.71	1/2	3,961.98	1/2	4,291.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,306.33	3/4	3,637.61	3/4	3,968.89	3/4	4,298.45	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,313.23	6	3,644.51	6	3,975.79	6	4,305.32	6		6		6		6		6		6	
1/4	3,320.13	1/4	3,651.41	1/4	3,982.69	1/4	4,312.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,327.04	1/2	3,658.31	1/2	3,989.59	1/2	4,319.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,333.94	3/4	3,665.21	3/4	3,996.49	3/4	4,325.90	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,340.84	7	3,672.12	7	4,003.39	7	4,332.76	7		7		7		7		7		7	
1/4	3,347.74	1/4	3,679.02	1/4	4,010.26	1/4	4,339.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,354.64	1/2	3,685.92	1/2	4,017.12	1/2	4,346.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,361.54	3/4	3,692.82	3/4	4,023.98	3/4	4,353.13	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,368.45	8	3,699.72	8	4,030.84	8	4,359.91	8		8		8		8		8		8	
1/4	3,375.35	1/4	3,706.62	1/4	4,037.70	1/4	4,366.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,382.25	1/2	3,713.53	1/2	4,044.56	1/2	4,372.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,389.15	3/4	3,720.43	3/4	4,051.43	3/4	4,379.23	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,396.05	9	3,727.33	9	4,058.29	9	4,385.66	9		9		9		9		9		9	
1/4	3,402.95	1/4	3,734.23	1/4	4,065.15	1/4	4,390.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,409.86	1/2	3,741.13	1/2	4,072.01	1/2	4,396.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,416.76	3/4	3,748.03	3/4	4,078.87	3/4	4,401.32	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,423.66	10	3,754.94	10	4,085.74	10	=====	10		10		10		10		10		10	
1/4	3,430.56	1/4	3,761.84	1/4	4,092.60	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,437.46	1/2	3,768.74	1/2	4,099.46	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,444.36	3/4	3,775.64	3/4	4,106.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,451.27	11	3,782.54	11	4,113.18	11		11		11		11		11		11		11	
1/4	3,458.17	1/4	3,789.44	1/4	4,120.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,465.07	1/2	3,796.35	1/2	4,126.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,471.97	3/4	3,803.25	3/4	4,133.77	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2011 CL - SW  
CALCULATED: 11/01/2011 CL  
REPRINTED: 12/21/2011 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2011

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



# BARGE "EMS 374"

## 2 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	18.87	0	396.79	0	774.85	0	1,158.23	0	1,546.59	0	1,934.95	0	2,323.31	0	2,711.67	0	3,100.02	0	3,488.37
1/4	24.65	1/4	404.88	1/4	782.62	1/4	1,166.32	1/4	1,554.68	1/4	1,943.04	1/4	2,331.40	1/4	2,719.76	1/4	3,108.11	1/4	3,496.46
1/2	30.43	1/2	412.97	1/2	790.39	1/2	1,174.41	1/2	1,562.77	1/2	1,951.13	1/2	2,339.49	1/2	2,727.85	1/2	3,116.21	1/2	3,504.55
3/4	36.20	3/4	421.07	3/4	798.16	3/4	1,182.50	3/4	1,570.86	3/4	1,959.22	3/4	2,347.58	3/4	2,735.94	3/4	3,124.30	3/4	3,512.64
1	41.98	1	429.16	1	805.93	1	1,190.60	1	1,578.95	1	1,967.31	1	2,355.67	1	2,744.03	1	3,132.39	1	3,520.73
1/4	49.78	1/4	437.25	1/4	813.71	1/4	1,198.69	1/4	1,587.04	1/4	1,975.40	1/4	2,363.76	1/4	2,752.12	1/4	3,140.48	1/4	3,528.82
1/2	57.58	1/2	445.34	1/2	821.49	1/2	1,206.78	1/2	1,595.14	1/2	1,983.49	1/2	2,371.85	1/2	2,760.21	1/2	3,148.57	1/2	3,536.91
3/4	65.39	3/4	453.43	3/4	829.27	3/4	1,214.87	3/4	1,603.23	3/4	1,991.58	3/4	2,379.94	3/4	2,768.30	3/4	3,156.66	3/4	3,545.00
2	73.19	2	461.52	2	837.04	2	1,222.96	2	1,611.32	2	1,999.68	2	2,388.03	2	2,776.39	2	3,164.75	2	3,553.09
1/4	81.28	1/4	469.61	1/4	844.83	1/4	1,231.05	1/4	1,619.41	1/4	2,007.77	1/4	2,396.12	1/4	2,784.48	1/4	3,172.84	1/4	3,561.18
1/2	89.37	1/2	477.70	1/2	852.62	1/2	1,239.14	1/2	1,627.50	1/2	2,015.86	1/2	2,404.22	1/2	2,792.57	1/2	3,180.93	1/2	3,569.27
3/4	97.46	3/4	485.79	3/4	860.40	3/4	1,247.23	3/4	1,635.59	3/4	2,023.95	3/4	2,412.31	3/4	2,800.66	3/4	3,189.02	3/4	3,577.36
3	105.55	3	493.88	3	868.19	3	1,255.32	3	1,643.68	3	2,032.04	3	2,420.40	3	2,808.76	3	3,197.11	3	3,585.45
1/4	113.64	1/4	501.97	1/4	875.97	1/4	1,263.41	1/4	1,651.77	1/4	2,040.13	1/4	2,428.49	1/4	2,816.85	1/4	3,205.20	1/4	3,593.54
1/2	121.73	1/2	510.06	1/2	883.76	1/2	1,271.50	1/2	1,659.86	1/2	2,048.22	1/2	2,436.58	1/2	2,824.94	1/2	3,213.30	1/2	3,601.63
3/4	129.82	3/4	518.15	3/4	891.54	3/4	1,279.59	3/4	1,667.95	3/4	2,056.31	3/4	2,444.67	3/4	2,833.03	3/4	3,221.39	3/4	3,609.72
4	137.91	4	526.24	4	899.33	4	1,287.68	4	1,676.04	4	2,064.40	4	2,452.76	4	2,841.12	4	3,229.48	4	3,617.81
1/4	146.00	1/4	534.02	1/4	907.42	1/4	1,295.78	1/4	1,684.13	1/4	2,072.49	1/4	2,460.85	1/4	2,849.21	1/4	3,237.57	1/4	3,625.90
1/2	154.09	1/2	541.79	1/2	915.51	1/2	1,303.87	1/2	1,692.22	1/2	2,080.58	1/2	2,468.94	1/2	2,857.30	1/2	3,245.66	1/2	3,633.99
3/4	162.18	3/4	549.57	3/4	923.60	3/4	1,311.96	3/4	1,700.32	3/4	2,088.67	3/4	2,477.03	3/4	2,865.39	3/4	3,253.75	3/4	3,642.08
5	170.27	5	557.35	5	931.69	5	1,320.05	5	1,708.41	5	2,096.76	5	2,485.12	5	2,873.48	5	3,261.84	5	3,650.17
1/4	178.36	1/4	565.12	1/4	939.78	1/4	1,328.14	1/4	1,716.50	1/4	2,104.86	1/4	2,493.21	1/4	2,881.57	1/4	3,269.93	1/4	3,658.26
1/2	186.45	1/2	572.89	1/2	947.87	1/2	1,336.23	1/2	1,724.59	1/2	2,112.95	1/2	2,501.30	1/2	2,889.66	1/2	3,278.02	1/2	3,666.35
3/4	194.54	3/4	580.66	3/4	955.96	3/4	1,344.32	3/4	1,732.68	3/4	2,121.04	3/4	2,509.40	3/4	2,897.75	3/4	3,286.11	3/4	3,674.44
6	202.63	6	588.43	6	964.05	6	1,352.41	6	1,740.77	6	2,129.13	6	2,517.49	6	2,905.84	6	3,294.20	6	3,682.53
1/4	210.72	1/4	596.20	1/4	972.14	1/4	1,360.50	1/4	1,748.86	1/4	2,137.22	1/4	2,525.58	1/4	2,913.94	1/4	3,302.29	1/4	3,690.62
1/2	218.81	1/2	603.97	1/2	980.23	1/2	1,368.59	1/2	1,756.95	1/2	2,145.31	1/2	2,533.67	1/2	2,922.03	1/2	3,310.38	1/2	3,698.71
3/4	226.90	3/4	611.74	3/4	988.33	3/4	1,376.68	3/4	1,765.04	3/4	2,153.40	3/4	2,541.76	3/4	2,930.12	3/4	3,318.48	3/4	3,706.80
7	234.99	7	619.50	7	996.42	7	1,384.77	7	1,773.13	7	2,161.49	7	2,549.85	7	2,938.21	7	3,326.57	7	3,714.89
1/4	243.08	1/4	627.27	1/4	1,004.51	1/4	1,392.87	1/4	1,781.22	1/4	2,169.58	1/4	2,557.94	1/4	2,946.30	1/4	3,334.66	1/4	3,722.97
1/2	251.17	1/2	635.04	1/2	1,012.60	1/2	1,400.96	1/2	1,789.31	1/2	2,177.67	1/2	2,566.03	1/2	2,954.39	1/2	3,342.75	1/2	3,731.06
3/4	259.26	3/4	642.81	3/4	1,020.69	3/4	1,409.05	3/4	1,797.41	3/4	2,185.76	3/4	2,574.12	3/4	2,962.48	3/4	3,350.84	3/4	3,739.15
8	267.35	8	650.58	8	1,028.78	8	1,417.14	8	1,805.50	8	2,193.85	8	2,582.21	8	2,970.57	8	3,358.93	8	3,747.24
1/4	275.44	1/4	658.35	1/4	1,036.87	1/4	1,425.23	1/4	1,813.59	1/4	2,201.95	1/4	2,590.30	1/4	2,978.66	1/4	3,367.02	1/4	3,755.33
1/2	283.53	1/2	666.11	1/2	1,044.96	1/2	1,433.32	1/2	1,821.68	1/2	2,210.04	1/2	2,598.39	1/2	2,986.75	1/2	3,375.11	1/2	3,763.42
3/4	291.62	3/4	673.87	3/4	1,053.05	3/4	1,441.41	3/4	1,829.77	3/4	2,218.13	3/4	2,606.49	3/4	2,994.84	3/4	3,383.20	3/4	3,771.51
9	299.71	9	681.64	9	1,061.14	9	1,449.50	9	1,837.86	9	2,226.22	9	2,614.58	9	3,002.93	9	3,391.29	9	3,779.60
1/4	307.80	1/4	689.40	1/4	1,069.23	1/4	1,457.59	1/4	1,845.95	1/4	2,234.31	1/4	2,622.67	1/4	3,011.03	1/4	3,399.38	1/4	3,787.69
1/2	315.89	1/2	697.17	1/2	1,077.32	1/2	1,465.68	1/2	1,854.04	1/2	2,242.40	1/2	2,630.76	1/2	3,019.12	1/2	3,407.47	1/2	3,795.78
3/4	323.98	3/4	704.93	3/4	1,085.41	3/4	1,473.77	3/4	1,862.13	3/4	2,250.49	3/4	2,638.85	3/4	3,027.21	3/4	3,415.57	3/4	3,803.87
10	332.07	10	712.70	10	1,093.51	10	1,481.86	10	1,870.22	10	2,258.58	10	2,646.94	10	3,035.30	10	3,423.66	10	3,811.96
1/4	340.16	1/4	720.47	1/4	1,101.60	1/4	1,489.95	1/4	1,878.31	1/4	2,266.67	1/4	2,655.03	1/4	3,043.39	1/4	3,431.75	1/4	3,820.05
1/2	348.25	1/2	728.24	1/2	1,109.69	1/2	1,498.05	1/2	1,886.40	1/2	2,274.76	1/2	2,663.12	1/2	3,051.48	1/2	3,439.84	1/2	3,828.14
3/4	356.34	3/4	736.01	3/4	1,117.78	3/4	1,506.14	3/4	1,894.49	3/4	2,282.85	3/4	2,671.21	3/4	3,059.57	3/4	3,447.93	3/4	3,836.23
11	364.43	11	743.77	11	1,125.87	11	1,514.23	11	1,902.59	11	2,290.94	11	2,679.30	11	3,067.66	11	3,456.01	11	3,844.32
1/4	372.52	1/4	751.54	1/4	1,133.96	1/4	1,522.32	1/4	1,910.68	1/4	2,299.03	1/4	2,687.39	1/4	3,075.75	1/4	3,464.10	1/4	3,852.41
1/2	380.61	1/2	759.31	1/2	1,142.05	1/2	1,530.41	1/2	1,918.77	1/2	2,307.13	1/2	2,695.48	1/2	3,083.84	1/2	3,472.19	1/2	3,860.50
3/4	388.70	3/4	767.08	3/4	1,150.14	3/4	1,538.50	3/4	1,926.86	3/4	2,315.22	3/4	2,703.57	3/4	3,091.93	3/4	3,480.28	3/4	3,868.59

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "EMS 374"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,876.68	0	4,264.98	0	4,653.29	0	5,040.66	0		0		0		0		0		0	
1/4	3,884.77	1/4	4,273.07	1/4	4,661.38	1/4	5,048.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,892.86	1/2	4,281.16	1/2	4,669.47	1/2	5,056.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,900.95	3/4	4,289.25	3/4	4,677.56	3/4	5,064.78	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,909.04	1	4,297.34	1	4,685.65	1	5,072.83	1		1		1		1		1		1	
1/4	3,917.13	1/4	4,305.43	1/4	4,693.74	1/4	5,080.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,925.22	1/2	4,313.52	1/2	4,701.83	1/2	5,088.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,933.31	3/4	4,321.61	3/4	4,709.92	3/4	5,096.95	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,941.40	2	4,329.70	2	4,718.01	2	5,105.00	2		2		2		2		2		2	
1/4	3,949.49	1/4	4,337.79	1/4	4,726.10	1/4	5,113.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,957.58	1/2	4,345.88	1/2	4,734.19	1/2	5,121.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,965.67	3/4	4,353.97	3/4	4,742.28	3/4	5,129.13	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,973.76	3	4,362.06	3	4,750.37	3	5,137.17	3		3		3		3		3		3	
1/4	3,981.85	1/4	4,370.15	1/4	4,758.46	1/4	5,145.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,989.93	1/2	4,378.24	1/2	4,766.55	1/2	5,153.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,998.02	3/4	4,386.33	3/4	4,774.64	3/4	5,161.30	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,006.11	4	4,394.42	4	4,782.73	4	5,169.34	4		4		4		4		4		4	
1/4	4,014.20	1/4	4,402.51	1/4	4,790.82	1/4	5,177.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,022.29	1/2	4,410.60	1/2	4,798.91	1/2	5,185.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,030.38	3/4	4,418.69	3/4	4,806.99	3/4	5,193.47	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,038.47	5	4,426.78	5	4,815.08	5	5,201.51	5		5		5		5		5		5	
1/4	4,046.56	1/4	4,434.87	1/4	4,823.17	1/4	5,209.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,054.65	1/2	4,442.96	1/2	4,831.26	1/2	5,217.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,062.74	3/4	4,451.05	3/4	4,839.35	3/4	5,225.64	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,070.83	6	4,459.14	6	4,847.44	6	5,233.68	6		6		6		6		6		6	
1/4	4,078.92	1/4	4,467.23	1/4	4,855.53	1/4	5,241.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,087.01	1/2	4,475.32	1/2	4,863.62	1/2	5,249.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,095.10	3/4	4,483.41	3/4	4,871.71	3/4	5,257.81	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,103.19	7	4,491.50	7	4,879.80	7	5,265.85	7		7		7		7		7		7	
1/4	4,111.28	1/4	4,499.59	1/4	4,887.84	1/4	5,273.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,119.37	1/2	4,507.68	1/2	4,895.89	1/2	5,281.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,127.46	3/4	4,515.77	3/4	4,903.93	3/4	5,289.72	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,135.55	8	4,523.86	8	4,911.97	8	5,297.68	8		8		8		8		8		8	
1/4	4,143.64	1/4	4,531.94	1/4	4,920.02	1/4	5,305.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,151.73	1/2	4,540.03	1/2	4,928.06	1/2	5,312.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,159.82	3/4	4,548.12	3/4	4,936.10	3/4	5,320.31	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,167.91	9	4,556.21	9	4,944.14	9	5,327.85	9		9		9		9		9		9	
1/4	4,176.00	1/4	4,564.30	1/4	4,952.19	1/4	5,335.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,184.09	1/2	4,572.39	1/2	4,960.23	1/2	5,340.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,192.18	3/4	4,580.48	3/4	4,968.27	3/4	5,346.20	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,200.27	10	4,588.57	10	4,976.31	10		10		10		10		10		10		10	
1/4	4,208.36	1/4	4,596.66	1/4	4,984.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,216.45	1/2	4,604.75	1/2	4,992.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,224.54	3/4	4,612.84	3/4	5,000.44	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,232.63	11	4,620.93	11	5,008.49	11		11		11		11		11		11		11	
1/4	4,240.72	1/4	4,629.02	1/4	5,016.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,248.81	1/2	4,637.11	1/2	5,024.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,256.90	3/4	4,645.20	3/4	5,032.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "EMS 374"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

Table with 18 columns (IN, 0 FT., 1 FT., 2 FT., 3 FT., 4 FT., 5 FT., 6 FT., 7 FT., 8 FT., 9 FT.) and 28 rows of capacity data. Each cell contains a value representing capacity in barrels.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7. CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL. CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK. CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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







# BARGE "EMS 374"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

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

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# BARGE "EMS 374"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.58	0	369.19	0	721.18	0	1,077.51	0	1,438.60	0	1,799.50	0	2,159.87	0	2,521.12	0	2,882.37	0	3,243.27
1/4	22.96	1/4	376.72	1/4	728.42	1/4	1,085.03	1/4	1,446.12	1/4	1,807.00	1/4	2,167.40	1/4	2,528.64	1/4	2,889.89	1/4	3,250.79
1/2	28.34	1/2	384.25	1/2	735.65	1/2	1,092.55	1/2	1,453.64	1/2	1,814.50	1/2	2,174.92	1/2	2,536.17	1/2	2,897.40	1/2	3,258.32
3/4	33.71	3/4	391.78	3/4	742.89	3/4	1,100.08	3/4	1,461.16	3/4	1,822.00	3/4	2,182.45	3/4	2,543.70	3/4	2,904.92	3/4	3,265.84
1	39.09	1	399.30	1	750.12	1	1,107.60	1	1,468.69	1	1,829.51	1	2,189.97	1	2,551.22	1	2,912.44	1	3,273.37
1/4	46.34	1/4	406.83	1/4	757.37	1/4	1,115.12	1/4	1,476.21	1/4	1,837.01	1/4	2,197.50	1/4	2,558.75	1/4	2,919.96	1/4	3,280.89
1/2	53.60	1/2	414.36	1/2	764.62	1/2	1,122.64	1/2	1,483.73	1/2	1,844.51	1/2	2,205.03	1/2	2,566.27	1/2	2,927.48	1/2	3,288.42
3/4	60.86	3/4	421.88	3/4	771.86	3/4	1,130.17	3/4	1,491.26	3/4	1,852.02	3/4	2,212.55	3/4	2,573.80	3/4	2,935.00	3/4	3,295.94
2	68.12	2	429.41	2	779.11	2	1,137.69	2	1,498.78	2	1,859.52	2	2,220.08	2	2,581.33	2	2,942.52	2	3,303.47
1/4	75.65	1/4	436.94	1/4	786.35	1/4	1,145.21	1/4	1,506.30	1/4	1,867.02	1/4	2,227.60	1/4	2,588.85	1/4	2,950.04	1/4	3,310.99
1/2	83.17	1/2	444.46	1/2	793.58	1/2	1,152.73	1/2	1,513.82	1/2	1,874.53	1/2	2,235.13	1/2	2,596.38	1/2	2,957.56	1/2	3,318.52
3/4	90.70	3/4	451.99	3/4	800.82	3/4	1,160.26	3/4	1,521.35	3/4	1,882.03	3/4	2,242.66	3/4	2,603.90	3/4	2,965.07	3/4	3,326.04
3	98.23	3	459.52	3	808.05	3	1,167.78	3	1,528.87	3	1,889.53	3	2,250.18	3	2,611.43	3	2,972.59	3	3,333.57
1/4	105.75	1/4	467.04	1/4	815.29	1/4	1,175.30	1/4	1,536.39	1/4	1,897.03	1/4	2,257.71	1/4	2,618.96	1/4	2,980.11	1/4	3,341.09
1/2	113.28	1/2	474.57	1/2	822.52	1/2	1,182.82	1/2	1,543.91	1/2	1,904.54	1/2	2,265.23	1/2	2,626.48	1/2	2,987.63	1/2	3,348.62
3/4	120.81	3/4	482.10	3/4	829.76	3/4	1,190.35	3/4	1,551.44	3/4	1,912.04	3/4	2,272.76	3/4	2,634.01	3/4	2,995.15	3/4	3,356.14
4	128.33	4	489.63	4	837.00	4	1,197.87	4	1,558.96	4	1,919.54	4	2,280.29	4	2,641.53	4	3,002.67	4	3,363.67
1/4	135.86	1/4	496.87	1/4	844.51	1/4	1,205.39	1/4	1,566.48	1/4	1,927.05	1/4	2,287.81	1/4	2,649.06	1/4	3,010.19	1/4	3,371.20
1/2	143.39	1/2	504.12	1/2	852.02	1/2	1,212.92	1/2	1,574.01	1/2	1,934.55	1/2	2,295.34	1/2	2,656.59	1/2	3,017.71	1/2	3,378.72
3/4	150.91	3/4	511.36	3/4	859.54	3/4	1,220.44	3/4	1,581.53	3/4	1,942.05	3/4	2,302.86	3/4	2,664.11	3/4	3,025.23	3/4	3,386.25
5	158.44	5	518.61	5	867.05	5	1,227.96	5	1,589.05	5	1,949.56	5	2,310.39	5	2,671.64	5	3,032.74	5	3,393.77
1/4	165.97	1/4	525.84	1/4	874.57	1/4	1,235.48	1/4	1,596.57	1/4	1,957.06	1/4	2,317.92	1/4	2,679.16	1/4	3,040.26	1/4	3,400.15
1/2	173.50	1/2	533.08	1/2	882.08	1/2	1,243.01	1/2	1,604.10	1/2	1,964.56	1/2	2,325.44	1/2	2,686.69	1/2	3,047.78	1/2	3,406.53
3/4	181.02	3/4	540.32	3/4	889.59	3/4	1,250.53	3/4	1,611.62	3/4	1,972.06	3/4	2,332.97	3/4	2,694.22	3/4	3,055.30	3/4	3,412.92
6	188.55	6	547.55	6	897.11	6	1,258.05	6	1,619.14	6	1,979.57	6	2,340.49	6	2,701.74	6	3,062.82	6	3,419.30
1/4	196.08	1/4	554.79	1/4	904.62	1/4	1,265.57	1/4	1,626.66	1/4	1,987.07	1/4	2,348.02	1/4	2,709.27	1/4	3,070.34	1/4	3,425.68
1/2	203.60	1/2	562.02	1/2	912.13	1/2	1,273.10	1/2	1,634.19	1/2	1,994.57	1/2	2,355.55	1/2	2,716.79	1/2	3,077.86	1/2	3,432.06
3/4	211.13	3/4	569.26	3/4	919.65	3/4	1,280.62	3/4	1,641.71	3/4	2,002.08	3/4	2,363.07	3/4	2,724.32	3/4	3,085.38	3/4	3,438.44
7	218.66	7	576.50	7	927.16	7	1,288.14	7	1,649.23	7	2,009.58	7	2,370.60	7	2,731.85	7	3,092.90	7	3,444.82
1/4	226.18	1/4	583.73	1/4	934.67	1/4	1,295.67	1/4	1,656.75	1/4	2,017.08	1/4	2,378.12	1/4	2,739.37	1/4	3,100.42	1/4	3,451.21
1/2	233.71	1/2	590.97	1/2	942.19	1/2	1,303.19	1/2	1,664.28	1/2	2,024.59	1/2	2,385.65	1/2	2,746.90	1/2	3,107.93	1/2	3,457.59
3/4	241.24	3/4	598.20	3/4	949.70	3/4	1,310.71	3/4	1,671.80	3/4	2,032.09	3/4	2,393.18	3/4	2,754.42	3/4	3,115.45	3/4	3,463.97
8	248.76	8	605.44	8	957.22	8	1,318.23	8	1,679.32	8	2,039.59	8	2,400.70	8	2,761.95	8	3,122.97	8	3,470.35
1/4	256.29	1/4	612.67	1/4	964.73	1/4	1,325.76	1/4	1,686.85	1/4	2,047.09	1/4	2,408.23	1/4	2,769.48	1/4	3,130.49	1/4	3,476.73
1/2	263.82	1/2	619.90	1/2	972.24	1/2	1,333.28	1/2	1,694.37	1/2	2,054.60	1/2	2,415.75	1/2	2,777.00	1/2	3,138.01	1/2	3,483.11
3/4	271.34	3/4	627.13	3/4	979.76	3/4	1,340.80	3/4	1,701.89	3/4	2,062.10	3/4	2,423.28	3/4	2,784.53	3/4	3,145.53	3/4	3,489.49
9	278.87	9	634.37	9	987.27	9	1,348.32	9	1,709.41	9	2,069.60	9	2,430.81	9	2,792.05	9	3,153.05	9	3,495.88
1/4	286.40	1/4	641.60	1/4	994.78	1/4	1,355.85	1/4	1,716.93	1/4	2,077.12	1/4	2,438.33	1/4	2,799.58	1/4	3,160.57	1/4	3,502.26
1/2	293.93	1/2	648.83	1/2	1,002.30	1/2	1,363.37	1/2	1,724.44	1/2	2,084.63	1/2	2,445.86	1/2	2,807.11	1/2	3,168.09	1/2	3,508.64
3/4	301.45	3/4	656.06	3/4	1,009.81	3/4	1,370.89	3/4	1,731.96	3/4	2,092.15	3/4	2,453.38	3/4	2,814.63	3/4	3,175.60	3/4	3,515.02
10	308.98	10	663.29	10	1,017.33	10	1,378.42	10	1,739.47	10	2,099.66	10	2,460.91	10	2,822.16	10	3,183.12	10	3,521.40
1/4	316.51	1/4	670.53	1/4	1,024.85	1/4	1,385.94	1/4	1,746.97	1/4	2,107.19	1/4	2,468.44	1/4	2,829.68	1/4	3,190.64	1/4	3,527.78
1/2	324.03	1/2	677.76	1/2	1,032.37	1/2	1,393.46	1/2	1,754.48	1/2	2,114.72	1/2	2,475.96	1/2	2,837.21	1/2	3,198.16	1/2	3,534.17
3/4	331.56	3/4	685.00	3/4	1,039.89	3/4	1,400.98	3/4	1,761.98	3/4	2,122.24	3/4	2,483.49	3/4	2,844.74	3/4	3,205.68	3/4	3,540.55
11	339.09	11	692.24	11	1,047.42	11	1,408.51	11	1,769.48	11	2,129.77	11	2,491.01	11	2,852.26	11	3,213.19	11	3,546.93
1/4	346.61	1/4	699.47	1/4	1,054.94	1/4	1,416.03	1/4	1,776.99	1/4	2,137.29	1/4	2,498.54	1/4	2,859.79	1/4	3,220.71	1/4	3,553.31
1/2	354.14	1/2	706.71	1/2	1,062.46	1/2	1,423.55	1/2	1,784.49	1/2	2,144.82	1/2	2,506.07	1/2	2,867.31	1/2	3,228.23	1/2	3,559.69
3/4	361.67	3/4	713.94	3/4	1,069.98	3/4	1,431.07	3/4	1,791.99	3/4	2,152.35	3/4	2,513.59	3/4	2,874.84	3/4	3,235.75	3/4	3,566.07

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "EMS 374"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,572.46	0	3,878.77	0	4,185.09	0	4,490.68	0		0		0		0		0		0	
1/4	3,578.84	1/4	3,885.15	1/4	4,191.47	1/4	4,497.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,585.22	1/2	3,891.54	1/2	4,197.85	1/2	4,503.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,591.60	3/4	3,897.92	3/4	4,204.23	3/4	4,509.72	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,597.98	1	3,904.30	1	4,210.62	1	4,516.06	1		1		1		1		1		1	
1/4	3,604.36	1/4	3,910.68	1/4	4,217.00	1/4	4,522.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,610.75	1/2	3,917.06	1/2	4,223.38	1/2	4,528.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,617.13	3/4	3,923.44	3/4	4,229.76	3/4	4,535.10	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,623.51	2	3,929.83	2	4,236.14	2	4,541.44	2		2		2		2		2		2	
1/4	3,629.89	1/4	3,936.21	1/4	4,242.52	1/4	4,547.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,636.27	1/2	3,942.59	1/2	4,248.91	1/2	4,554.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,642.65	3/4	3,948.97	3/4	4,255.29	3/4	4,560.48	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,649.03	3	3,955.35	3	4,261.67	3	4,566.82	3		3		3		3		3		3	
1/4	3,655.42	1/4	3,961.73	1/4	4,268.05	1/4	4,573.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,661.80	1/2	3,968.12	1/2	4,274.43	1/2	4,579.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,668.18	3/4	3,974.50	3/4	4,280.81	3/4	4,585.86	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,674.56	4	3,980.88	4	4,287.19	4	4,592.20	4		4		4		4		4		4	
1/4	3,680.94	1/4	3,987.26	1/4	4,293.58	1/4	4,598.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,687.32	1/2	3,993.64	1/2	4,299.96	1/2	4,604.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,693.71	3/4	4,000.02	3/4	4,306.34	3/4	4,611.24	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,700.09	5	4,006.40	5	4,312.72	5	4,617.59	5		5		5		5		5		5	
1/4	3,706.47	1/4	4,012.79	1/4	4,319.10	1/4	4,623.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,712.85	1/2	4,019.17	1/2	4,325.48	1/2	4,630.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,719.23	3/4	4,025.55	3/4	4,331.87	3/4	4,636.62	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,725.61	6	4,031.93	6	4,338.25	6	4,642.97	6		6		6		6		6		6	
1/4	3,732.00	1/4	4,038.31	1/4	4,344.63	1/4	4,649.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,738.38	1/2	4,044.69	1/2	4,351.01	1/2	4,655.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,744.76	3/4	4,051.08	3/4	4,357.39	3/4	4,662.00	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,751.14	7	4,057.46	7	4,363.77	7	4,668.35	7		7		7		7		7		7	
1/4	3,757.52	1/4	4,063.84	1/4	4,370.12	1/4	4,675.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,763.90	1/2	4,070.22	1/2	4,376.46	1/2	4,683.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,770.29	3/4	4,076.60	3/4	4,382.81	3/4	4,690.56	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,776.67	8	4,082.98	8	4,389.16	8	4,697.96	8		8		8		8		8		8	
1/4	3,783.05	1/4	4,089.37	1/4	4,395.50	1/4	4,704.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,789.43	1/2	4,095.75	1/2	4,401.85	1/2	4,711.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,795.81	3/4	4,102.13	3/4	4,408.19	3/4	4,719.01	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,802.19	9	4,108.51	9	4,414.54	9	4,726.03	9		9		9		9		9		9	
1/4	3,808.57	1/4	4,114.89	1/4	4,420.88	1/4	4,731.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,814.96	1/2	4,121.27	1/2	4,427.23	1/2	4,737.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,821.34	3/4	4,127.66	3/4	4,433.57	3/4	4,743.11	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,827.72	10	4,134.04	10	4,439.92	10		10		10		10		10		10		10	
1/4	3,834.10	1/4	4,140.42	1/4	4,446.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,840.48	1/2	4,146.80	1/2	4,452.61	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,846.86	3/4	4,153.18	3/4	4,458.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,853.25	11	4,159.56	11	4,465.30	11		11		11		11		11		11		11	
1/4	3,859.63	1/4	4,165.94	1/4	4,471.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,866.01	1/2	4,172.33	1/2	4,477.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,872.39	3/4	4,178.71	3/4	4,484.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES  
 ALL PRIOR TO 11/2011

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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# BARGE "EMS 374"

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "EMS 374"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	3,567.63	0	3,873.94	0	4,180.25	0	4,485.84	0		0		0		0		0		0	
1/4	3,574.01	1/4	3,880.32	1/4	4,186.63	1/4	4,492.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,580.39	1/2	3,886.70	1/2	4,193.02	1/2	4,498.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,586.77	3/4	3,893.09	3/4	4,199.40	3/4	4,504.87	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,593.16	1	3,899.47	1	4,205.78	1	4,511.22	1		1		1		1		1		1	
1/4	3,599.54	1/4	3,905.85	1/4	4,212.16	1/4	4,517.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,605.92	1/2	3,912.23	1/2	4,218.54	1/2	4,523.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,612.30	3/4	3,918.61	3/4	4,224.92	3/4	4,530.25	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,618.68	2	3,924.99	2	4,231.31	2	4,536.60	2		2		2		2		2		2	
1/4	3,625.06	1/4	3,931.37	1/4	4,237.69	1/4	4,542.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,631.44	1/2	3,937.76	1/2	4,244.07	1/2	4,549.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,637.83	3/4	3,944.14	3/4	4,250.45	3/4	4,555.63	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,644.21	3	3,950.52	3	4,256.83	3	4,561.98	3		3		3		3		3		3	
1/4	3,650.59	1/4	3,956.90	1/4	4,263.21	1/4	4,568.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,656.97	1/2	3,963.28	1/2	4,269.59	1/2	4,574.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,663.35	3/4	3,969.66	3/4	4,275.98	3/4	4,581.01	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,669.73	4	3,976.05	4	4,282.36	4	4,587.36	4		4		4		4		4		4	
1/4	3,676.11	1/4	3,982.43	1/4	4,288.74	1/4	4,593.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,682.50	1/2	3,988.81	1/2	4,295.12	1/2	4,600.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,688.88	3/4	3,995.19	3/4	4,301.50	3/4	4,606.39	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,695.26	5	4,001.57	5	4,307.88	5	4,612.74	5		5		5		5		5		5	
1/4	3,701.64	1/4	4,007.95	1/4	4,314.26	1/4	4,619.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,708.02	1/2	4,014.33	1/2	4,320.65	1/2	4,625.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,714.40	3/4	4,020.72	3/4	4,327.03	3/4	4,631.77	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,720.79	6	4,027.10	6	4,333.41	6	4,638.12	6		6		6		6		6		6	
1/4	3,727.17	1/4	4,033.48	1/4	4,339.79	1/4	4,644.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,733.55	1/2	4,039.86	1/2	4,346.17	1/2	4,650.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,739.93	3/4	4,046.24	3/4	4,352.55	3/4	4,657.15	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,746.31	7	4,052.62	7	4,358.94	7	4,663.50	7		7		7		7		7		7	
1/4	3,752.69	1/4	4,059.00	1/4	4,365.28	1/4	4,670.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,759.07	1/2	4,065.39	1/2	4,371.63	1/2	4,678.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,765.46	3/4	4,071.77	3/4	4,377.97	3/4	4,685.70	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,771.84	8	4,078.15	8	4,384.32	8	4,693.11	8		8		8		8		8		8	
1/4	3,778.22	1/4	4,084.53	1/4	4,390.66	1/4	4,700.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,784.60	1/2	4,090.91	1/2	4,397.01	1/2	4,707.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,790.98	3/4	4,097.29	3/4	4,403.35	3/4	4,714.16	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,797.36	9	4,103.68	9	4,409.70	9	4,721.18	9		9		9		9		9		9	
1/4	3,803.74	1/4	4,110.06	1/4	4,416.04	1/4	4,728.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,810.13	1/2	4,116.44	1/2	4,422.39	1/2	4,732.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,816.51	3/4	4,122.82	3/4	4,428.73	3/4	4,738.25	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,822.89	10	4,129.20	10	4,435.08	10		10		10		10		10		10		10	
1/4	3,829.27	1/4	4,135.58	1/4	4,441.42	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,835.65	1/2	4,141.96	1/2	4,447.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,842.03	3/4	4,148.35	3/4	4,454.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,848.42	11	4,154.73	11	4,460.46	11		11		11		11		11		11		11	
1/4	3,854.80	1/4	4,161.11	1/4	4,466.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,861.18	1/2	4,167.49	1/2	4,473.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,867.56	3/4	4,173.87	3/4	4,479.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2011 CL - SW  
CALCULATED: 11/01/2011 CL  
REPRINTED: 12/21/2011 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2011

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



# BARGE "EMS 374"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-00"

November 1, 2011

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

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# BARGE "EMS 374"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,937.74	1/4	1,606.49	1/4	1,275.25	1/4	948.24	1/4	641.51	1/4	352.91	1/4	84.19	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,930.83	1/2	1,599.59	1/2	1,268.35	1/2	941.62	1/2	635.28	1/2	347.10	1/2	78.79	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,923.93	3/4	1,592.69	3/4	1,261.45	3/4	935.04	3/4	629.09	3/4	341.32	3/4	73.43	3/4	3/4	3/4	3/4	3/4	3/4
1	1,917.03	1	1,585.79	1	1,254.55	1	928.46	1	622.89	1	335.54	1	68.06	1	1	1	1	1	1
1/4	1,910.13	1/4	1,578.89	1/4	1,247.65	1/4	921.87	1/4	616.70	1/4	329.76	1/4	62.70	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,903.23	1/2	1,571.99	1/2	1,240.74	1/2	915.29	1/2	610.50	1/2	323.98	1/2	57.33	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,896.33	3/4	1,565.09	3/4	1,233.84	3/4	908.76	3/4	604.35	3/4	318.24	3/4	52.00	3/4	3/4	3/4	3/4	3/4	3/4
2	1,889.43	2	1,558.19	2	1,226.94	2	902.23	2	598.19	2	312.49	2	46.67	2	2	2	2	2	2
1/4	1,882.53	1/4	1,551.29	1/4	1,220.04	1/4	895.70	1/4	592.03	1/4	306.75	1/4	41.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,875.63	1/2	1,544.38	1/2	1,213.14	1/2	889.17	1/2	585.87	1/2	301.00	1/2	36.01	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,868.73	3/4	1,537.48	3/4	1,206.24	3/4	882.67	3/4	579.74	3/4	295.29	3/4	30.96	3/4	3/4	3/4	3/4	3/4	3/4
3	1,861.83	3	1,530.58	3	1,199.34	3	876.17	3	573.62	3	289.58	3	25.91	3	3	3	3	3	3
1/4	1,854.93	1/4	1,523.68	1/4	1,192.44	1/4	869.68	1/4	567.50	1/4	283.87	1/4	20.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,848.02	1/2	1,516.78	1/2	1,185.54	1/2	863.18	1/2	561.37	1/2	278.16	1/2	15.81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,841.12	3/4	1,509.88	3/4	1,178.64	3/4	856.72	3/4	555.28	3/4	272.48	3/4	12.52	3/4	3/4	3/4	3/4	3/4	3/4
4	1,834.22	4	1,502.98	4	1,171.74	4	850.26	4	549.19	4	266.81	4	9.23	4	4	4	4	4	4
1/4	1,827.32	1/4	1,496.08	1/4	1,164.84	1/4	843.79	1/4	543.10	1/4	261.13	1/4	5.94	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,820.42	1/2	1,489.18	1/2	1,157.93	1/2	837.33	1/2	537.01	1/2	255.46	1/2	2.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,813.52	3/4	1,482.28	3/4	1,151.05	3/4	830.91	3/4	530.96	3/4	249.82	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	1,806.62	5	1,475.38	5	1,144.17	5	824.49	5	524.90	5	244.17	5		5	5	5	5	5	5
1/4	1,799.72	1/4	1,468.47	1/4	1,137.28	1/4	818.06	1/4	518.84	1/4	238.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,792.82	1/2	1,461.57	1/2	1,130.40	1/2	811.64	1/2	512.79	1/2	232.89	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,785.92	3/4	1,454.67	3/4	1,123.55	3/4	805.25	3/4	506.77	3/4	227.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,779.02	6	1,447.77	6	1,116.70	6	798.86	6	500.75	6	221.68	6		6	6	6	6	6	6
1/4	1,772.11	1/4	1,440.87	1/4	1,109.85	1/4	792.47	1/4	494.73	1/4	216.07	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,765.21	1/2	1,433.97	1/2	1,103.00	1/2	786.08	1/2	488.71	1/2	210.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,758.31	3/4	1,427.07	3/4	1,096.19	3/4	779.73	3/4	482.72	3/4	204.89	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,751.41	7	1,420.17	7	1,089.37	7	773.37	7	476.73	7	199.32	7		7	7	7	7	7	7
1/4	1,744.51	1/4	1,413.27	1/4	1,082.56	1/4	767.01	1/4	470.75	1/4	193.75	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,737.61	1/2	1,406.37	1/2	1,075.74	1/2	760.65	1/2	464.76	1/2	188.17	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,730.71	3/4	1,399.47	3/4	1,068.96	3/4	754.33	3/4	458.81	3/4	182.63	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,723.81	8	1,392.56	8	1,062.18	8	748.00	8	452.86	8	177.10	8		8	8	8	8	8	8
1/4	1,716.91	1/4	1,385.66	1/4	1,055.40	1/4	741.68	1/4	446.90	1/4	171.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,710.01	1/2	1,378.76	1/2	1,048.62	1/2	735.35	1/2	440.95	1/2	166.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,703.11	3/4	1,371.86	3/4	1,041.88	3/4	729.07	3/4	435.03	3/4	160.52	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,696.20	9	1,364.96	9	1,035.13	9	722.78	9	429.12	9	155.01	9		9	9	9	9	9	9
1/4	1,689.30	1/4	1,358.06	1/4	1,028.39	1/4	716.49	1/4	423.20	1/4	149.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,682.40	1/2	1,351.16	1/2	1,021.64	1/2	710.20	1/2	417.28	1/2	144.01	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,675.50	3/4	1,344.26	3/4	1,014.93	3/4	703.93	3/4	411.40	3/4	138.54	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,668.60	10	1,337.36	10	1,008.22	10	697.66	10	405.52	10	133.07	10		10	10	10	10	10	10
1/4	1,661.70	1/4	1,330.46	1/4	1,001.51	1/4	691.39	1/4	399.63	1/4	127.60	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,654.80	1/2	1,323.56	1/2	994.80	1/2	685.12	1/2	393.75	1/2	122.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,647.90	3/4	1,316.65	3/4	988.12	3/4	678.89	3/4	387.90	3/4	116.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,641.00	11	1,309.75	11	981.44	11	672.66	11	382.05	11	111.26	11		11	11	11	11	11	11
1/4	1,634.10	1/4	1,302.85	1/4	974.77	1/4	666.42	1/4	376.20	1/4	105.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,627.20	1/2	1,295.95	1/2	968.09	1/2	660.19	1/2	370.36	1/2	100.39	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,620.29	3/4	1,289.05	3/4	961.47	3/4	653.96	3/4	364.54	3/4	94.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2011 CL - SW  
CALCULATED: 11/01/2011 CL  
PRINTED: 11/01/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2011

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





# BARGE "EMS 374"

**1 STBD**  
**ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,271.01	0	3,941.28	0	3,610.00	0	3,278.73	0	2,947.45	0	2,616.15	0	2,284.82
1/4		1/4		1/4		1/4	4,264.15	1/4	3,934.38	1/4	3,603.10	1/4	3,271.82	1/4	2,940.55	1/4	2,609.25	1/4	2,277.92
1/2		1/2		1/2		1/2	4,257.28	1/2	3,927.48	1/2	3,596.20	1/2	3,264.92	1/2	2,933.65	1/2	2,602.34	1/2	2,271.01
3/4		3/4		3/4		3/4	4,250.42	3/4	3,920.57	3/4	3,589.30	3/4	3,258.02	3/4	2,926.74	3/4	2,595.44	3/4	2,264.11
1		1		1		1	4,243.56	1	3,913.67	1	3,582.40	1	3,251.12	1	2,919.84	1	2,588.54	1	2,257.21
1/4		1/4		1/4		1/4	4,236.70	1/4	3,906.77	1/4	3,575.49	1/4	3,244.22	1/4	2,912.94	1/4	2,581.63	1/4	2,250.31
1/2		1/2		1/2		1/2	4,229.84	1/2	3,899.87	1/2	3,568.59	1/2	3,237.32	1/2	2,906.04	1/2	2,574.73	1/2	2,243.40
3/4		3/4		3/4		3/4	4,222.97	3/4	3,892.97	3/4	3,561.69	3/4	3,230.41	3/4	2,899.14	3/4	2,567.83	3/4	2,236.50
2		2		2		2	4,216.11	2	3,886.07	2	3,554.79	2	3,223.51	2	2,892.24	2	2,560.93	2	2,229.60
1/4		1/4		1/4		1/4	4,209.25	1/4	3,879.16	1/4	3,547.89	1/4	3,216.61	1/4	2,885.33	1/4	2,554.02	1/4	2,222.69
1/2		1/2		1/2		1/2	4,202.39	1/2	3,872.26	1/2	3,540.99	1/2	3,209.71	1/2	2,878.43	1/2	2,547.12	1/2	2,215.79
3/4		3/4		3/4		3/4	4,195.53	3/4	3,865.36	3/4	3,534.08	3/4	3,202.81	3/4	2,871.53	3/4	2,540.22	3/4	2,208.89
3		3		3		3	4,188.66	3	3,858.46	3	3,527.18	3	3,195.91	3	2,864.63	3	2,533.32	3	2,201.99
1/4		1/4		1/4		1/4	4,181.80	1/4	3,851.56	1/4	3,520.28	1/4	3,189.00	1/4	2,857.73	1/4	2,526.41	1/4	2,195.08
1/2		1/2		1/2		1/2	4,174.94	1/2	3,844.66	1/2	3,513.38	1/2	3,182.10	1/2	2,850.83	1/2	2,519.51	1/2	2,188.18
3/4		3/4		3/4		3/4	4,168.08	3/4	3,837.75	3/4	3,506.48	3/4	3,175.20	3/4	2,843.92	3/4	2,512.61	3/4	2,181.28
4		4		4		4	4,161.22	4	3,830.85	4	3,499.58	4	3,168.30	4	2,837.02	4	2,505.71	4	2,174.38
1/4		1/4		1/4		1/4	4,154.36	1/4	3,823.95	1/4	3,492.67	1/4	3,161.40	1/4	2,830.12	1/4	2,498.80	1/4	2,167.47
1/2		1/2		1/2		1/2	4,147.49	1/2	3,817.05	1/2	3,485.77	1/2	3,154.50	1/2	2,823.22	1/2	2,491.90	1/2	2,160.57
3/4		3/4		3/4		3/4	4,140.63	3/4	3,810.15	3/4	3,478.87	3/4	3,147.59	3/4	2,816.32	3/4	2,485.00	3/4	2,153.67
5		5		5		5	4,133.77	5	3,803.25	5	3,471.97	5	3,140.69	5	2,809.42	5	2,478.09	5	2,146.76
1/4		1/4		1/4		1/4	4,126.91	1/4	3,796.35	1/4	3,465.07	1/4	3,133.79	1/4	2,802.51	1/4	2,471.19	1/4	2,139.86
1/2		1/2		1/2		1/2	4,120.05	1/2	3,789.44	1/2	3,458.17	1/2	3,126.89	1/2	2,795.61	1/2	2,464.29	1/2	2,132.96
3/4		3/4		3/4		3/4	4,113.18	3/4	3,782.54	3/4	3,451.27	3/4	3,119.99	3/4	2,788.71	3/4	2,457.39	3/4	2,126.06
6		6		6		6	4,106.32	6	3,775.64	6	3,444.36	6	3,113.09	6	2,781.81	6	2,450.48	6	2,119.15
1/4		1/4		1/4		1/4	4,099.46	1/4	3,768.74	1/4	3,437.46	1/4	3,106.19	1/4	2,774.91	1/4	2,443.58	1/4	2,112.25
1/2		1/2		1/2		1/2	4,092.60	1/2	3,761.84	1/2	3,430.56	1/2	3,099.28	1/2	2,768.01	1/2	2,436.68	1/2	2,105.35
3/4		3/4		3/4		3/4	4,085.74	3/4	3,754.94	3/4	3,423.66	3/4	3,092.38	3/4	2,761.11	3/4	2,429.78	3/4	2,098.45
7		7	4,401.32	7	4,078.87	7	3,748.03	7	3,416.76	7	3,085.48	7	2,754.20	7	2,422.87	7	2,091.54		
1/4		1/4	4,396.10	1/4	4,072.01	1/4	3,741.13	1/4	3,409.86	1/4	3,078.58	1/4	2,747.30	1/4	2,415.97	1/4	2,084.64		
1/2		1/2	4,390.88	1/2	4,065.15	1/2	3,734.23	1/2	3,402.95	1/2	3,071.68	1/2	2,740.40	1/2	2,409.07	1/2	2,077.74		
3/4		3/4	4,385.66	3/4	4,058.29	3/4	3,727.33	3/4	3,396.05	3/4	3,064.78	3/4	2,733.49	3/4	2,402.16	3/4	2,070.84		
8		8	4,379.23	8	4,051.43	8	3,720.43	8	3,389.15	8	3,057.87	8	2,726.59	8	2,395.26	8	2,063.93		
1/4		1/4	4,372.79	1/4	4,044.56	1/4	3,713.53	1/4	3,382.25	1/4	3,050.97	1/4	2,719.69	1/4	2,388.36	1/4	2,057.03		
1/2		1/2	4,366.35	1/2	4,037.70	1/2	3,706.62	1/2	3,375.35	1/2	3,044.07	1/2	2,712.79	1/2	2,381.46	1/2	2,050.13		
3/4		3/4	4,359.91	3/4	4,030.84	3/4	3,699.72	3/4	3,368.45	3/4	3,037.17	3/4	2,705.88	3/4	2,374.55	3/4	2,043.22		
9		9	4,353.13	9	4,023.98	9	3,692.82	9	3,361.54	9	3,030.27	9	2,698.98	9	2,367.65	9	2,036.32		
1/4		1/4	4,346.34	1/4	4,017.12	1/4	3,685.92	1/4	3,354.64	1/4	3,023.37	1/4	2,692.08	1/4	2,360.75	1/4	2,029.42		
1/2		1/2	4,339.55	1/2	4,010.26	1/2	3,679.02	1/2	3,347.74	1/2	3,016.46	1/2	2,685.18	1/2	2,353.85	1/2	2,022.52		
3/4		3/4	4,332.76	3/4	4,003.39	3/4	3,672.12	3/4	3,340.84	3/4	3,009.56	3/4	2,678.27	3/4	2,346.94	3/4	2,015.61		
10		10	4,325.90	10	3,996.49	10	3,665.21	10	3,333.94	10	3,002.66	10	2,671.37	10	2,340.04	10	2,008.71		
1/4		1/4	4,319.04	1/4	3,989.59	1/4	3,658.31	1/4	3,327.04	1/4	2,995.76	1/4	2,664.47	1/4	2,333.14	1/4	2,001.81		
1/2		1/2	4,312.18	1/2	3,982.69	1/2	3,651.41	1/2	3,320.13	1/2	2,988.86	1/2	2,657.56	1/2	2,326.24	1/2	1,994.91		
3/4		3/4	4,305.32	3/4	3,975.79	3/4	3,644.51	3/4	3,313.23	3/4	2,981.96	3/4	2,650.66	3/4	2,319.33	3/4	1,988.00		
11		11	4,298.45	11	3,968.89	11	3,637.61	11	3,306.33	11	2,975.05	11	2,643.76	11	2,312.43	11	1,981.10		
1/4		1/4	4,291.59	1/4	3,961.98	1/4	3,630.71	1/4	3,299.43	1/4	2,968.15	1/4	2,636.86	1/4	2,305.53	1/4	1,974.20		
1/2		1/2	4,284.73	1/2	3,955.08	1/2	3,623.81	1/2	3,292.53	1/2	2,961.25	1/2	2,629.95	1/2	2,298.62	1/2	1,967.29		
3/4		3/4	4,277.87	3/4	3,948.18	3/4	3,616.90	3/4	3,285.63	3/4	2,954.35	3/4	2,623.05	3/4	2,291.72	3/4	1,960.39		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO 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 374"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,953.49	0	1,622.16	0	1,290.83	0	963.14	0	654.21	0	364.69	0	95.04	0		0		0	
1/4	1,946.59	1/4	1,615.26	1/4	1,283.93	1/4	956.50	1/4	647.98	1/4	358.88	1/4	89.64	1/4	1/4	1/4		1/4	
1/2	1,939.68	1/2	1,608.35	1/2	1,277.02	1/2	949.85	1/2	641.75	1/2	353.06	1/2	84.24	1/2	1/2	1/2		1/2	
3/4	1,932.78	3/4	1,601.45	3/4	1,270.12	3/4	943.21	3/4	635.52	3/4	347.24	3/4	78.83	3/4	3/4	3/4		3/4	
1	1,925.88	1	1,594.55	1	1,263.22	1	936.60	1	629.32	1	341.46	1	73.47	1	1	1		1	
1/4	1,918.98	1/4	1,587.65	1/4	1,256.32	1/4	929.99	1/4	623.13	1/4	335.68	1/4	68.10	1/4	1/4	1/4		1/4	
1/2	1,912.07	1/2	1,580.74	1/2	1,249.41	1/2	923.38	1/2	616.93	1/2	329.90	1/2	62.73	1/2	1/2	1/2		1/2	
3/4	1,905.17	3/4	1,573.84	3/4	1,242.51	3/4	916.77	3/4	610.74	3/4	324.12	3/4	57.36	3/4	3/4	3/4		3/4	
2	1,898.27	2	1,566.94	2	1,235.61	2	910.21	2	604.58	2	318.37	2	52.03	2	2	2		2	
1/4	1,891.36	1/4	1,560.04	1/4	1,228.71	1/4	903.65	1/4	598.42	1/4	312.62	1/4	46.70	1/4	1/4	1/4		1/4	
1/2	1,884.46	1/2	1,553.13	1/2	1,221.80	1/2	897.08	1/2	592.26	1/2	306.88	1/2	41.36	1/2	1/2	1/2		1/2	
3/4	1,877.56	3/4	1,546.23	3/4	1,214.90	3/4	890.52	3/4	586.09	3/4	301.13	3/4	36.03	3/4	3/4	3/4		3/4	
3	1,870.66	3	1,539.33	3	1,208.00	3	884.00	3	579.97	3	295.42	3	30.98	3	3	3		3	
1/4	1,863.75	1/4	1,532.42	1/4	1,201.09	1/4	877.47	1/4	573.84	1/4	289.70	1/4	25.92	1/4	1/4	1/4		1/4	
1/2	1,856.85	1/2	1,525.52	1/2	1,194.19	1/2	870.94	1/2	567.72	1/2	283.99	1/2	20.87	1/2	1/2	1/2		1/2	
3/4	1,849.95	3/4	1,518.62	3/4	1,187.29	3/4	864.41	3/4	561.59	3/4	278.28	3/4	15.82	3/4	3/4	3/4		3/4	
4	1,843.05	4	1,511.72	4	1,180.39	4	857.92	4	555.50	4	272.60	4	12.53	4	4	4		4	
1/4	1,836.14	1/4	1,504.81	1/4	1,173.48	1/4	851.43	1/4	549.40	1/4	266.92	1/4	9.24	1/4	1/4	1/4		1/4	
1/2	1,829.24	1/2	1,497.91	1/2	1,166.58	1/2	844.94	1/2	543.31	1/2	261.24	1/2	5.95	1/2	1/2	1/2		1/2	
3/4	1,822.34	3/4	1,491.01	3/4	1,159.68	3/4	838.44	3/4	537.22	3/4	255.57	3/4	2.65	3/4	3/4	3/4		3/4	
5	1,815.44	5	1,484.11	5	1,152.79	5	831.99	5	531.16	5	249.92	5		5	5	5		5	
1/4	1,808.53	1/4	1,477.20	1/4	1,145.91	1/4	825.54	1/4	525.11	1/4	244.28	1/4		1/4	1/4	1/4		1/4	
1/2	1,801.63	1/2	1,470.30	1/2	1,139.02	1/2	819.08	1/2	519.05	1/2	238.64	1/2		1/2	1/2	1/2		1/2	
3/4	1,794.73	3/4	1,463.40	3/4	1,132.14	3/4	812.63	3/4	512.99	3/4	232.99	3/4		3/4	3/4	3/4		3/4	
6	1,787.82	6	1,456.49	6	1,125.29	6	806.21	6	506.97	6	227.38	6		6	6	6		6	
1/4	1,780.92	1/4	1,449.59	1/4	1,118.44	1/4	799.79	1/4	500.94	1/4	221.77	1/4		1/4	1/4	1/4		1/4	
1/2	1,774.02	1/2	1,442.69	1/2	1,111.58	1/2	793.37	1/2	494.92	1/2	216.16	1/2		1/2	1/2	1/2		1/2	
3/4	1,767.12	3/4	1,435.79	3/4	1,104.73	3/4	786.95	3/4	488.90	3/4	210.56	3/4		3/4	3/4	3/4		3/4	
7	1,760.21	7	1,428.88	7	1,097.92	7	780.56	7	482.91	7	204.98	7		7	7	7		7	
1/4	1,753.31	1/4	1,421.98	1/4	1,091.10	1/4	774.17	1/4	476.92	1/4	199.41	1/4		1/4	1/4	1/4		1/4	
1/2	1,746.41	1/2	1,415.08	1/2	1,084.28	1/2	767.78	1/2	470.93	1/2	193.83	1/2		1/2	1/2	1/2		1/2	
3/4	1,739.51	3/4	1,408.18	3/4	1,077.47	3/4	761.39	3/4	464.94	3/4	188.26	3/4		3/4	3/4	3/4		3/4	
8	1,732.60	8	1,401.27	8	1,070.69	8	755.04	8	458.99	8	182.72	8		8	8	8		8	
1/4	1,725.70	1/4	1,394.37	1/4	1,063.90	1/4	748.68	1/4	453.04	1/4	177.18	1/4		1/4	1/4	1/4		1/4	
1/2	1,718.80	1/2	1,387.47	1/2	1,057.12	1/2	742.33	1/2	447.08	1/2	171.64	1/2		1/2	1/2	1/2		1/2	
3/4	1,711.89	3/4	1,380.57	3/4	1,050.34	3/4	735.97	3/4	441.13	3/4	166.10	3/4		3/4	3/4	3/4		3/4	
9	1,704.99	9	1,373.66	9	1,043.59	9	729.65	9	435.21	9	160.59	9		9	9	9		9	
1/4	1,698.09	1/4	1,366.76	1/4	1,036.84	1/4	723.33	1/4	429.29	1/4	155.08	1/4		1/4	1/4	1/4		1/4	
1/2	1,691.19	1/2	1,359.86	1/2	1,030.10	1/2	717.01	1/2	423.37	1/2	149.58	1/2		1/2	1/2	1/2		1/2	
3/4	1,684.28	3/4	1,352.95	3/4	1,023.35	3/4	710.69	3/4	417.45	3/4	144.07	3/4		3/4	3/4	3/4		3/4	
10	1,677.38	10	1,346.05	10	1,016.64	10	704.39	10	411.57	10	138.60	10		10	10	10		10	
1/4	1,670.48	1/4	1,339.15	1/4	1,009.92	1/4	698.10	1/4	405.68	1/4	133.13	1/4		1/4	1/4	1/4		1/4	
1/2	1,663.58	1/2	1,332.25	1/2	1,003.21	1/2	691.80	1/2	399.80	1/2	127.66	1/2		1/2	1/2	1/2		1/2	
3/4	1,656.67	3/4	1,325.34	3/4	996.50	3/4	685.50	3/4	393.91	3/4	122.19	3/4		3/4	3/4	3/4		3/4	
11	1,649.77	11	1,318.44	11	989.82	11	679.23	11	388.06	11	116.75	11		11	11	11		11	
1/4	1,642.87	1/4	1,311.54	1/4	983.14	1/4	672.97	1/4	382.21	1/4	111.32	1/4		1/4	1/4	1/4		1/4	
1/2	1,635.97	1/2	1,304.64	1/2	976.46	1/2	666.70	1/2	376.36	1/2	105.88	1/2		1/2	1/2	1/2		1/2	
3/4	1,629.06	3/4	1,297.73	3/4	969.78	3/4	660.44	3/4	370.51	3/4	100.44	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2011 CL - SW  
CALCULATED: 11/01/2011 CL  
PRINTED: 11/01/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2011

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



# BARGE "EMS 374"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	5,177.38	0	4,790.82	0	4,402.51	0	4,014.20	0	3,625.90	0	3,237.57	0	2,849.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,169.34	1/4	4,782.73	1/4	4,394.42	1/4	4,006.11	1/4	3,617.81	1/4	3,229.48	1/4	2,841.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,161.30	1/2	4,774.64	1/2	4,386.33	1/2	3,998.02	1/2	3,609.72	1/2	3,221.39	1/2	2,833.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,153.25	3/4	4,766.55	3/4	4,378.24	3/4	3,989.93	3/4	3,601.63	3/4	3,213.30	3/4	2,824.94		
1		1		1		1	5,145.21	1	4,758.46	1	4,370.15	1	3,981.85	1	3,593.54	1	3,205.20	1	2,816.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,137.17	1/4	4,750.37	1/4	4,362.06	1/4	3,973.76	1/4	3,585.45	1/4	3,197.11	1/4	2,808.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,129.13	1/2	4,742.28	1/2	4,353.97	1/2	3,965.67	1/2	3,577.36	1/2	3,189.02	1/2	2,800.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,121.08	3/4	4,734.19	3/4	4,345.88	3/4	3,957.58	3/4	3,569.27	3/4	3,180.93	3/4	2,792.57		
2		2		2		2	5,113.04	2	4,726.10	2	4,337.79	2	3,949.49	2	3,561.18	2	3,172.84	2	2,784.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,105.00	1/4	4,718.01	1/4	4,329.70	1/4	3,941.40	1/4	3,553.09	1/4	3,164.75	1/4	2,776.39		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,096.95	1/2	4,709.92	1/2	4,321.61	1/2	3,933.31	1/2	3,545.00	1/2	3,156.66	1/2	2,768.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,088.91	3/4	4,701.83	3/4	4,313.52	3/4	3,925.22	3/4	3,536.91	3/4	3,148.57	3/4	2,760.21		
3		3		3		3	5,080.87	3	4,693.74	3	4,305.43	3	3,917.13	3	3,528.82	3	3,140.48	3	2,752.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,072.83	1/4	4,685.65	1/4	4,297.34	1/4	3,909.04	1/4	3,520.73	1/4	3,132.39	1/4	2,744.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,064.78	1/2	4,677.56	1/2	4,289.25	1/2	3,900.95	1/2	3,512.64	1/2	3,124.30	1/2	2,735.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,056.74	3/4	4,669.47	3/4	4,281.16	3/4	3,892.86	3/4	3,504.55	3/4	3,116.21	3/4	2,727.85		
4		4		4		4	5,048.70	4	4,661.38	4	4,273.07	4	3,884.77	4	3,496.46	4	3,108.11	4	2,719.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,040.66	1/4	4,653.29	1/4	4,264.98	1/4	3,876.68	1/4	3,488.37	1/4	3,100.02	1/4	2,711.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,032.61	1/2	4,645.20	1/2	4,256.90	1/2	3,868.59	1/2	3,480.28	1/2	3,091.93	1/2	2,703.57		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,024.57	3/4	4,637.11	3/4	4,248.81	3/4	3,860.50	3/4	3,472.19	3/4	3,083.84	3/4	2,695.48		
5		5		5		5	5,016.53	5	4,629.02	5	4,240.72	5	3,852.41	5	3,464.10	5	3,075.75	5	2,687.39		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,008.49	1/4	4,620.93	1/4	4,232.63	1/4	3,844.32	1/4	3,456.01	1/4	3,067.66	1/4	2,679.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,000.44	1/2	4,612.84	1/2	4,224.54	1/2	3,836.23	1/2	3,447.93	1/2	3,059.57	1/2	2,671.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,992.40	3/4	4,604.75	3/4	4,216.45	3/4	3,828.14	3/4	3,439.84	3/4	3,051.48	3/4	2,663.12		
6		6		6		6	4,984.36	6	4,596.66	6	4,208.36	6	3,820.05	6	3,431.75	6	3,043.39	6	2,655.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,976.31	1/4	4,588.57	1/4	4,200.27	1/4	3,811.96	1/4	3,423.66	1/4	3,035.30	1/4	2,646.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,346.20	1/2	4,968.27	1/2	4,580.48	1/2	4,192.18	1/2	3,803.87	1/2	3,415.57	1/2	3,027.21	1/2	2,638.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,340.08	3/4	4,960.23	3/4	4,572.39	3/4	4,184.09	3/4	3,795.78	3/4	3,407.47	3/4	3,019.12	3/4	2,630.76
7		7		7		7	5,333.97	7	4,952.19	7	4,564.30	7	4,176.00	7	3,787.69	7	3,399.38	7	3,011.03	7	2,622.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,327.85	1/4	4,944.14	1/4	4,556.21	1/4	4,167.91	1/4	3,779.60	1/4	3,391.29	1/4	3,002.93	1/4	2,614.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,320.31	1/2	4,936.10	1/2	4,548.12	1/2	4,159.82	1/2	3,771.51	1/2	3,383.20	1/2	2,994.84	1/2	2,606.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,312.76	3/4	4,928.06	3/4	4,540.03	3/4	4,151.73	3/4	3,763.42	3/4	3,375.11	3/4	2,986.75	3/4	2,598.39
8		8		8		8	5,305.22	8	4,920.02	8	4,531.94	8	4,143.64	8	3,755.33	8	3,367.02	8	2,978.66	8	2,590.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,297.68	1/4	4,911.97	1/4	4,523.86	1/4	4,135.55	1/4	3,747.24	1/4	3,358.93	1/4	2,970.57	1/4	2,582.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,289.72	1/2	4,903.93	1/2	4,515.77	1/2	4,127.46	1/2	3,739.15	1/2	3,350.84	1/2	2,962.48	1/2	2,574.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,281.76	3/4	4,895.89	3/4	4,507.68	3/4	4,119.37	3/4	3,731.06	3/4	3,342.75	3/4	2,954.39	3/4	2,566.03
9		9		9		9	5,273.81	9	4,887.84	9	4,499.59	9	4,111.28	9	3,722.97	9	3,334.66	9	2,946.30	9	2,557.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,265.85	1/4	4,879.80	1/4	4,491.50	1/4	4,103.19	1/4	3,714.89	1/4	3,326.57	1/4	2,938.21	1/4	2,549.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,257.81	1/2	4,871.71	1/2	4,483.41	1/2	4,095.10	1/2	3,706.80	1/2	3,318.48	1/2	2,930.12	1/2	2,541.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,249.77	3/4	4,863.62	3/4	4,475.32	3/4	4,087.01	3/4	3,698.71	3/4	3,310.38	3/4	2,922.03	3/4	2,533.67
10		10		10		10	5,241.72	10	4,855.53	10	4,467.23	10	4,078.92	10	3,690.62	10	3,302.29	10	2,913.94	10	2,525.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,233.68	1/4	4,847.44	1/4	4,459.14	1/4	4,070.83	1/4	3,682.53	1/4	3,294.20	1/4	2,905.84	1/4	2,517.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,225.64	1/2	4,839.35	1/2	4,451.05	1/2	4,062.74	1/2	3,674.44	1/2	3,286.11	1/2	2,897.75	1/2	2,509.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,217.60	3/4	4,831.26	3/4	4,442.96	3/4	4,054.65	3/4	3,666.35	3/4	3,278.02	3/4	2,889.66	3/4	2,501.30
11		11		11		11	5,209.55	11	4,823.17	11	4,434.87	11	4,046.56	11	3,658.26	11	3,269.93	11	2,881.57	11	2,493.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,201.51	1/4	4,815.08	1/4	4,426.78	1/4	4,038.47	1/4	3,650.17	1/4	3,261.84	1/4	2,873.48	1/4	2,485.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,193.47	1/2	4,806.99	1/2	4,418.69	1/2	4,030.38	1/2	3,642.08	1/2	3,253.75	1/2	2,865.39	1/2	2,477.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,185.42	3/4	4,798.91	3/4	4,410.60	3/4	4,022.29	3/4	3,633.99	3/4	3,245.66	3/4	2,857.30	3/4	2,468.94

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "EMS 374"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,460.85	0	2,072.49	0	1,684.13	0	1,295.78	0	907.42	0	534.02	0	146.00	0		0		0	
1/4	2,452.76	1/4	2,064.40	1/4	1,676.04	1/4	1,287.68	1/4	899.33	1/4	526.24	1/4	137.91	1/4		1/4		1/4	
1/2	2,444.67	1/2	2,056.31	1/2	1,667.95	1/2	1,279.59	1/2	891.54	1/2	518.15	1/2	129.82	1/2		1/2		1/2	
3/4	2,436.58	3/4	2,048.22	3/4	1,659.86	3/4	1,271.50	3/4	883.76	3/4	510.06	3/4	121.73	3/4		3/4		3/4	
1	2,428.49	1	2,040.13	1	1,651.77	1	1,263.41	1	875.97	1	501.97	1	113.64	1		1		1	
1/4	2,420.40	1/4	2,032.04	1/4	1,643.68	1/4	1,255.32	1/4	868.19	1/4	493.88	1/4	105.55	1/4		1/4		1/4	
1/2	2,412.31	1/2	2,023.95	1/2	1,635.59	1/2	1,247.23	1/2	860.40	1/2	485.79	1/2	97.46	1/2		1/2		1/2	
3/4	2,404.22	3/4	2,015.86	3/4	1,627.50	3/4	1,239.14	3/4	852.62	3/4	477.70	3/4	89.37	3/4		3/4		3/4	
2	2,396.12	2	2,007.77	2	1,619.41	2	1,231.05	2	844.83	2	469.61	2	81.28	2		2		2	
1/4	2,388.03	1/4	1,999.68	1/4	1,611.32	1/4	1,222.96	1/4	837.04	1/4	461.52	1/4	73.19	1/4		1/4		1/4	
1/2	2,379.94	1/2	1,991.58	1/2	1,603.23	1/2	1,214.87	1/2	829.27	1/2	453.43	1/2	65.39	1/2		1/2		1/2	
3/4	2,371.85	3/4	1,983.49	3/4	1,595.14	3/4	1,206.78	3/4	821.49	3/4	445.34	3/4	57.58	3/4		3/4		3/4	
3	2,363.76	3	1,975.40	3	1,587.04	3	1,198.69	3	813.71	3	437.25	3	49.78	3		3		3	
1/4	2,355.67	1/4	1,967.31	1/4	1,578.95	1/4	1,190.60	1/4	805.93	1/4	429.16	1/4	41.98	1/4		1/4		1/4	
1/2	2,347.58	1/2	1,959.22	1/2	1,570.86	1/2	1,182.50	1/2	798.16	1/2	421.06	1/2	36.20	1/2		1/2		1/2	
3/4	2,339.49	3/4	1,951.13	3/4	1,562.77	3/4	1,174.41	3/4	790.39	3/4	412.97	3/4	30.43	3/4		3/4		3/4	
4	2,331.40	4	1,943.04	4	1,554.68	4	1,166.32	4	782.62	4	404.88	4	24.65	4		4		4	
1/4	2,323.31	1/4	1,934.95	1/4	1,546.59	1/4	1,158.23	1/4	774.85	1/4	396.79	1/4	18.87	1/4		1/4		1/4	
1/2	2,315.22	1/2	1,926.86	1/2	1,538.50	1/2	1,150.14	1/2	767.08	1/2	388.70	1/2		1/2		1/2		1/2	
3/4	2,307.13	3/4	1,918.77	3/4	1,530.41	3/4	1,142.05	3/4	759.31	3/4	380.61	3/4		3/4		3/4		3/4	
5	2,299.03	5	1,910.68	5	1,522.32	5	1,133.96	5	751.54	5	372.52	5		5		5		5	
1/4	2,290.94	1/4	1,902.59	1/4	1,514.23	1/4	1,125.87	1/4	743.77	1/4	364.43	1/4		1/4		1/4		1/4	
1/2	2,282.85	1/2	1,894.49	1/2	1,506.14	1/2	1,117.78	1/2	736.01	1/2	356.34	1/2		1/2		1/2		1/2	
3/4	2,274.76	3/4	1,886.40	3/4	1,498.05	3/4	1,109.69	3/4	728.24	3/4	348.25	3/4		3/4		3/4		3/4	
6	2,266.67	6	1,878.31	6	1,489.95	6	1,101.60	6	720.47	6	340.16	6		6		6		6	
1/4	2,258.58	1/4	1,870.22	1/4	1,481.86	1/4	1,093.51	1/4	712.70	1/4	332.07	1/4		1/4		1/4		1/4	
1/2	2,250.49	1/2	1,862.13	1/2	1,473.77	1/2	1,085.41	1/2	704.93	1/2	323.98	1/2		1/2		1/2		1/2	
3/4	2,242.40	3/4	1,854.04	3/4	1,465.68	3/4	1,077.32	3/4	697.17	3/4	315.89	3/4		3/4		3/4		3/4	
7	2,234.31	7	1,845.95	7	1,457.59	7	1,069.23	7	689.40	7	307.80	7		7		7		7	
1/4	2,226.22	1/4	1,837.86	1/4	1,449.50	1/4	1,061.14	1/4	681.64	1/4	299.71	1/4		1/4		1/4		1/4	
1/2	2,218.13	1/2	1,829.77	1/2	1,441.41	1/2	1,053.05	1/2	673.87	1/2	291.62	1/2		1/2		1/2		1/2	
3/4	2,210.04	3/4	1,821.68	3/4	1,433.32	3/4	1,044.96	3/4	666.11	3/4	283.53	3/4		3/4		3/4		3/4	
8	2,201.95	8	1,813.59	8	1,425.23	8	1,036.87	8	658.35	8	275.44	8		8		8		8	
1/4	2,193.85	1/4	1,805.50	1/4	1,417.14	1/4	1,028.78	1/4	650.58	1/4	267.35	1/4		1/4		1/4		1/4	
1/2	2,185.76	1/2	1,797.41	1/2	1,409.05	1/2	1,020.69	1/2	642.81	1/2	259.26	1/2		1/2		1/2		1/2	
3/4	2,177.67	3/4	1,789.31	3/4	1,400.96	3/4	1,012.60	3/4	635.04	3/4	251.17	3/4		3/4		3/4		3/4	
9	2,169.58	9	1,781.22	9	1,392.87	9	1,004.51	9	627.27	9	243.08	9		9		9		9	
1/4	2,161.49	1/4	1,773.13	1/4	1,384.77	1/4	996.42	1/4	619.50	1/4	234.99	1/4		1/4		1/4		1/4	
1/2	2,153.40	1/2	1,765.04	1/2	1,376.68	1/2	988.33	1/2	611.74	1/2	226.90	1/2		1/2		1/2		1/2	
3/4	2,145.31	3/4	1,756.95	3/4	1,368.59	3/4	980.23	3/4	603.97	3/4	218.81	3/4		3/4		3/4		3/4	
10	2,137.22	10	1,748.86	10	1,360.50	10	972.14	10	596.20	10	210.72	10		10		10		10	
1/4	2,129.13	1/4	1,740.77	1/4	1,352.41	1/4	964.05	1/4	588.43	1/4	202.63	1/4		1/4		1/4		1/4	
1/2	2,121.04	1/2	1,732.68	1/2	1,344.32	1/2	955.96	1/2	580.66	1/2	194.54	1/2		1/2		1/2		1/2	
3/4	2,112.95	3/4	1,724.59	3/4	1,336.23	3/4	947.87	3/4	572.89	3/4	186.45	3/4		3/4		3/4		3/4	
11	2,104.86	11	1,716.50	11	1,328.14	11	939.78	11	565.12	11	178.36	11		11		11		11	
1/4	2,096.76	1/4	1,708.41	1/4	1,320.05	1/4	931.69	1/4	557.35	1/4	170.27	1/4		1/4		1/4		1/4	
1/2	2,088.67	1/2	1,700.32	1/2	1,311.96	1/2	923.60	1/2	549.57	1/2	162.18	1/2		1/2		1/2		1/2	
3/4	2,080.58	3/4	1,692.22	3/4	1,303.87	3/4	915.51	3/4	541.79	3/4	154.09	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2011 CL - SW  
CALCULATED: 11/01/2011 CL  
PRINTED: 11/01/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2011

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



# BARGE "EMS 374"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	5,199.17	0	4,812.75	0	4,424.53	0	4,036.30	0	3,648.08	0	3,259.83	0	2,871.56
1/4		1/4		1/4		1/4	5,191.13	1/4	4,804.66	1/4	4,416.44	1/4	4,028.21	1/4	3,639.99	1/4	3,251.74	1/4	2,863.47
1/2		1/2		1/2		1/2	5,183.09	1/2	4,796.57	1/2	4,408.35	1/2	4,020.13	1/2	3,631.90	1/2	3,243.65	1/2	2,855.38
3/4		3/4		3/4		3/4	5,175.05	3/4	4,788.49	3/4	4,400.26	3/4	4,012.04	3/4	3,623.81	3/4	3,235.56	3/4	2,847.29
1		1		1		1	5,167.01	1	4,780.40	1	4,392.17	1	4,003.95	1	3,615.73	1	3,227.48	1	2,839.20
1/4		1/4		1/4		1/4	5,158.97	1/4	4,772.31	1/4	4,384.09	1/4	3,995.86	1/4	3,607.64	1/4	3,219.39	1/4	2,831.11
1/2		1/2		1/2		1/2	5,150.93	1/2	4,764.22	1/2	4,376.00	1/2	3,987.77	1/2	3,599.55	1/2	3,211.30	1/2	2,823.03
3/4		3/4		3/4		3/4	5,142.88	3/4	4,756.13	3/4	4,367.91	3/4	3,979.69	3/4	3,591.46	3/4	3,203.21	3/4	2,814.94
2		2		2		2	5,134.84	2	4,748.05	2	4,359.82	2	3,971.60	2	3,583.37	2	3,195.12	2	2,806.85
1/4		1/4		1/4		1/4	5,126.80	1/4	4,739.96	1/4	4,351.73	1/4	3,963.51	1/4	3,575.29	1/4	3,187.03	1/4	2,798.76
1/2		1/2		1/2		1/2	5,118.76	1/2	4,731.87	1/2	4,343.65	1/2	3,955.42	1/2	3,567.20	1/2	3,178.94	1/2	2,790.67
3/4		3/4		3/4		3/4	5,110.72	3/4	4,723.78	3/4	4,335.56	3/4	3,947.33	3/4	3,559.11	3/4	3,170.85	3/4	2,782.58
3		3		3		3	5,102.68	3	4,715.69	3	4,327.47	3	3,939.25	3	3,551.02	3	3,162.76	3	2,774.49
1/4		1/4		1/4		1/4	5,094.64	1/4	4,707.61	1/4	4,319.38	1/4	3,931.16	1/4	3,542.93	1/4	3,154.67	1/4	2,766.40
1/2		1/2		1/2		1/2	5,086.60	1/2	4,699.52	1/2	4,311.29	1/2	3,923.07	1/2	3,534.85	1/2	3,146.59	1/2	2,758.31
3/4		3/4		3/4		3/4	5,078.56	3/4	4,691.43	3/4	4,303.21	3/4	3,914.98	3/4	3,526.76	3/4	3,138.50	3/4	2,750.22
4		4		4		4	5,070.52	4	4,683.34	4	4,295.12	4	3,906.89	4	3,518.67	4	3,130.41	4	2,742.14
1/4		1/4		1/4		1/4	5,062.48	1/4	4,675.25	1/4	4,287.03	1/4	3,898.81	1/4	3,510.58	1/4	3,122.32	1/4	2,734.05
1/2		1/2		1/2		1/2	5,054.44	1/2	4,667.17	1/2	4,278.94	1/2	3,890.72	1/2	3,502.49	1/2	3,114.23	1/2	2,725.96
3/4		3/4		3/4		3/4	5,046.40	3/4	4,659.08	3/4	4,270.85	3/4	3,882.63	3/4	3,494.41	3/4	3,106.14	3/4	2,717.87
5		5		5		5	5,038.36	5	4,650.99	5	4,262.77	5	3,874.54	5	3,486.32	5	3,098.05	5	2,709.78
1/4		1/4		1/4		1/4	5,030.32	1/4	4,642.90	1/4	4,254.68	1/4	3,866.45	1/4	3,478.23	1/4	3,089.96	1/4	2,701.69
1/2		1/2		1/2		1/2	5,022.28	1/2	4,634.81	1/2	4,246.59	1/2	3,858.37	1/2	3,470.14	1/2	3,081.87	1/2	2,693.60
3/4		3/4		3/4		3/4	5,014.24	3/4	4,626.73	3/4	4,238.50	3/4	3,850.28	3/4	3,462.05	3/4	3,073.78	3/4	2,685.51
6		6		6		6	5,006.20	6	4,618.64	6	4,230.41	6	3,842.19	6	3,453.97	6	3,065.70	6	2,677.42
1/4		1/4		1/4		1/4	4,998.16	1/4	4,610.55	1/4	4,222.33	1/4	3,834.10	1/4	3,445.88	1/4	3,057.61	1/4	2,669.33
1/2		1/2		1/2		1/2	4,990.12	1/2	4,602.46	1/2	4,214.24	1/2	3,826.01	1/2	3,437.79	1/2	3,049.52	1/2	2,661.25
3/4		3/4		3/4		3/4	5,359.91	3/4	4,982.07	3/4	4,594.37	3/4	4,206.15	3/4	3,817.93	3/4	3,429.70	3/4	3,041.43
7		7		7		7	5,353.79	7	4,974.03	7	4,586.29	7	4,198.06	7	3,809.84	7	3,421.61	7	3,033.34
1/4		1/4		1/4		1/4	5,347.68	1/4	4,965.99	1/4	4,578.20	1/4	4,189.97	1/4	3,801.75	1/4	3,413.52	1/4	3,025.25
1/2		1/2		1/2		1/2	5,341.56	1/2	4,957.95	1/2	4,570.11	1/2	4,181.89	1/2	3,793.66	1/2	3,405.43	1/2	3,017.16
3/4		3/4		3/4		3/4	5,334.02	3/4	4,949.91	3/4	4,562.02	3/4	4,173.80	3/4	3,785.57	3/4	3,397.34	3/4	3,009.07
8		8		8		8	5,326.48	8	4,941.87	8	4,553.93	8	4,165.71	8	3,777.49	8	3,389.26	8	3,000.98
1/4		1/4		1/4		1/4	5,318.93	1/4	4,933.83	1/4	4,545.85	1/4	4,157.62	1/4	3,769.40	1/4	3,381.17	1/4	2,992.89
1/2		1/2		1/2		1/2	5,311.39	1/2	4,925.79	1/2	4,537.76	1/2	4,149.53	1/2	3,761.31	1/2	3,373.08	1/2	2,984.81
3/4		3/4		3/4		3/4	5,303.44	3/4	4,917.75	3/4	4,529.67	3/4	4,141.45	3/4	3,753.22	3/4	3,364.99	3/4	2,976.72
9		9		9		9	5,295.48	9	4,909.71	9	4,521.58	9	4,133.36	9	3,745.13	9	3,356.90	9	2,968.63
1/4		1/4		1/4		1/4	5,287.53	1/4	4,901.67	1/4	4,513.49	1/4	4,125.27	1/4	3,737.05	1/4	3,348.81	1/4	2,960.54
1/2		1/2		1/2		1/2	5,279.57	1/2	4,893.63	1/2	4,505.41	1/2	4,117.18	1/2	3,728.96	1/2	3,340.72	1/2	2,952.45
3/4		3/4		3/4		3/4	5,271.53	3/4	4,885.54	3/4	4,497.32	3/4	4,109.09	3/4	3,720.87	3/4	3,332.63	3/4	2,944.36
10		10		10		10	5,263.49	10	4,877.45	10	4,489.23	10	4,101.01	10	3,712.78	10	3,324.54	10	2,936.27
1/4		1/4		1/4		1/4	5,255.45	1/4	4,869.37	1/4	4,481.14	1/4	4,092.92	1/4	3,704.69	1/4	3,316.45	1/4	2,928.18
1/2		1/2		1/2		1/2	5,247.41	1/2	4,861.28	1/2	4,473.05	1/2	4,084.83	1/2	3,696.61	1/2	3,308.37	1/2	2,920.09
3/4		3/4		3/4		3/4	5,239.37	3/4	4,853.19	3/4	4,464.97	3/4	4,076.74	3/4	3,688.52	3/4	3,300.28	3/4	2,912.00
11		11		11		11	5,231.33	11	4,845.10	11	4,456.88	11	4,068.65	11	3,680.43	11	3,292.19	11	2,903.92
1/4		1/4		1/4		1/4	5,223.29	1/4	4,837.01	1/4	4,448.79	1/4	4,060.57	1/4	3,672.34	1/4	3,284.10	1/4	2,895.83
1/2		1/2		1/2		1/2	5,215.25	1/2	4,828.93	1/2	4,440.70	1/2	4,052.48	1/2	3,664.25	1/2	3,276.01	1/2	2,887.74
3/4		3/4		3/4		3/4	5,207.21	3/4	4,820.84	3/4	4,432.61	3/4	4,044.39	3/4	3,656.17	3/4	3,267.92	3/4	2,879.65

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 43'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "EMS 374"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2011 CL - SW  
CALCULATED: 11/01/2011 CL  
PRINTED: 11/01/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2011

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



# BARGE "EMS 374"

# 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "EMS 374"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,295.34	0	1,934.55	0	1,574.01	0	1,212.92	0	852.02	0	504.12	0	143.39	0		0		0	
1/4	2,287.81	1/4	1,927.05	1/4	1,566.48	1/4	1,205.39	1/4	844.51	1/4	496.87	1/4	135.86	1/4		1/4		1/4	
1/2	2,280.29	1/2	1,919.54	1/2	1,558.96	1/2	1,197.87	1/2	837.00	1/2	489.63	1/2	128.33	1/2		1/2		1/2	
3/4	2,272.76	3/4	1,912.04	3/4	1,551.44	3/4	1,190.35	3/4	829.76	3/4	482.10	3/4	120.81	3/4		3/4		3/4	
1	2,265.24	1	1,904.54	1	1,543.91	1	1,182.82	1	822.52	1	474.57	1	113.28	1		1		1	
1/4	2,257.71	1/4	1,897.03	1/4	1,536.39	1/4	1,175.30	1/4	815.29	1/4	467.04	1/4	105.75	1/4		1/4		1/4	
1/2	2,250.18	1/2	1,889.53	1/2	1,528.87	1/2	1,167.78	1/2	808.05	1/2	459.52	1/2	98.23	1/2		1/2		1/2	
3/4	2,242.66	3/4	1,882.03	3/4	1,521.35	3/4	1,160.26	3/4	800.82	3/4	451.99	3/4	90.70	3/4		3/4		3/4	
2	2,235.13	2	1,874.53	2	1,513.82	2	1,152.73	2	793.58	2	444.46	2	83.17	2		2		2	
1/4	2,227.61	1/4	1,867.02	1/4	1,506.30	1/4	1,145.21	1/4	786.35	1/4	436.94	1/4	75.65	1/4		1/4		1/4	
1/2	2,220.08	1/2	1,859.52	1/2	1,498.78	1/2	1,137.69	1/2	779.11	1/2	429.41	1/2	68.12	1/2		1/2		1/2	
3/4	2,212.55	3/4	1,852.02	3/4	1,491.26	3/4	1,130.17	3/4	771.86	3/4	421.88	3/4	60.66	3/4		3/4		3/4	
3	2,205.03	3	1,844.51	3	1,483.73	3	1,122.64	3	764.62	3	414.36	3	53.60	3		3		3	
1/4	2,197.50	1/4	1,837.01	1/4	1,476.21	1/4	1,115.12	1/4	757.37	1/4	406.83	1/4	46.34	1/4		1/4		1/4	
1/2	2,189.98	1/2	1,829.51	1/2	1,468.69	1/2	1,107.60	1/2	750.12	1/2	399.30	1/2	39.09	1/2		1/2		1/2	
3/4	2,182.45	3/4	1,822.00	3/4	1,461.16	3/4	1,100.08	3/4	742.89	3/4	391.78	3/4	33.71	3/4		3/4		3/4	
4	2,174.92	4	1,814.50	4	1,453.64	4	1,092.55	4	735.65	4	384.25	4	28.34	4		4		4	
1/4	2,167.40	1/4	1,807.00	1/4	1,446.12	1/4	1,085.03	1/4	728.42	1/4	376.72	1/4	22.96	1/4		1/4		1/4	
1/2	2,159.87	1/2	1,799.50	1/2	1,438.60	1/2	1,077.51	1/2	721.18	1/2	369.19	1/2	17.58	1/2		1/2		1/2	
3/4	2,152.35	3/4	1,791.99	3/4	1,431.07	3/4	1,069.98	3/4	713.94	3/4	361.67	3/4		3/4		3/4		3/4	
5	2,144.82	5	1,784.49	5	1,423.55	5	1,062.46	5	706.71	5	354.14	5		5		5		5	
1/4	2,137.29	1/4	1,776.99	1/4	1,416.03	1/4	1,054.94	1/4	699.47	1/4	346.61	1/4		1/4		1/4		1/4	
1/2	2,129.77	1/2	1,769.48	1/2	1,408.51	1/2	1,047.42	1/2	692.24	1/2	339.09	1/2		1/2		1/2		1/2	
3/4	2,122.24	3/4	1,761.98	3/4	1,400.98	3/4	1,039.89	3/4	685.00	3/4	331.56	3/4		3/4		3/4		3/4	
6	2,114.72	6	1,754.48	6	1,393.46	6	1,032.37	6	677.76	6	324.03	6		6		6		6	
1/4	2,107.19	1/4	1,746.97	1/4	1,385.94	1/4	1,024.85	1/4	670.53	1/4	316.51	1/4		1/4		1/4		1/4	
1/2	2,099.66	1/2	1,739.47	1/2	1,378.42	1/2	1,017.33	1/2	663.29	1/2	308.98	1/2		1/2		1/2		1/2	
3/4	2,092.15	3/4	1,731.96	3/4	1,370.89	3/4	1,009.81	3/4	656.06	3/4	301.45	3/4		3/4		3/4		3/4	
7	2,084.63	7	1,724.44	7	1,363.37	7	1,002.30	7	648.83	7	293.93	7		7		7		7	
1/4	2,077.12	1/4	1,716.93	1/4	1,355.85	1/4	994.78	1/4	641.60	1/4	286.40	1/4		1/4		1/4		1/4	
1/2	2,069.60	1/2	1,709.41	1/2	1,348.32	1/2	987.27	1/2	634.37	1/2	278.87	1/2		1/2		1/2		1/2	
3/4	2,062.10	3/4	1,701.89	3/4	1,340.80	3/4	979.76	3/4	627.13	3/4	271.34	3/4		3/4		3/4		3/4	
8	2,054.60	8	1,694.37	8	1,333.28	8	972.24	8	619.90	8	263.82	8		8		8		8	
1/4	2,047.09	1/4	1,686.85	1/4	1,325.76	1/4	964.73	1/4	612.67	1/4	256.29	1/4		1/4		1/4		1/4	
1/2	2,039.59	1/2	1,679.32	1/2	1,318.23	1/2	957.22	1/2	605.44	1/2	248.76	1/2		1/2		1/2		1/2	
3/4	2,032.09	3/4	1,671.80	3/4	1,310.71	3/4	949.70	3/4	598.20	3/4	241.24	3/4		3/4		3/4		3/4	
9	2,024.59	9	1,664.28	9	1,303.19	9	942.19	9	590.97	9	233.71	9		9		9		9	
1/4	2,017.08	1/4	1,656.75	1/4	1,295.67	1/4	934.67	1/4	583.73	1/4	226.18	1/4		1/4		1/4		1/4	
1/2	2,009.58	1/2	1,649.23	1/2	1,288.14	1/2	927.16	1/2	576.50	1/2	218.66	1/2		1/2		1/2		1/2	
3/4	2,002.08	3/4	1,641.71	3/4	1,280.62	3/4	919.65	3/4	569.26	3/4	211.13	3/4		3/4		3/4		3/4	
10	1,994.57	10	1,634.19	10	1,273.10	10	912.13	10	562.02	10	203.60	10		10		10		10	
1/4	1,987.07	1/4	1,626.66	1/4	1,265.57	1/4	904.62	1/4	554.79	1/4	196.08	1/4		1/4		1/4		1/4	
1/2	1,979.57	1/2	1,619.14	1/2	1,258.05	1/2	897.11	1/2	547.55	1/2	188.55	1/2		1/2		1/2		1/2	
3/4	1,972.06	3/4	1,611.62	3/4	1,250.53	3/4	889.59	3/4	540.32	3/4	181.02	3/4		3/4		3/4		3/4	
11	1,964.56	11	1,604.10	11	1,243.01	11	882.08	11	533.08	11	173.50	11		11		11		11	
1/4	1,957.06	1/4	1,596.57	1/4	1,235.48	1/4	874.57	1/4	525.84	1/4	165.97	1/4		1/4		1/4		1/4	
1/2	1,949.56	1/2	1,589.05	1/2	1,227.96	1/2	867.05	1/2	518.61	1/2	158.44	1/2		1/2		1/2		1/2	
3/4	1,942.05	3/4	1,581.53	3/4	1,220.44	3/4	859.54	3/4	511.36	3/4	150.91	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2011 CL - SW  
CALCULATED: 11/01/2011 CL  
PRINTED: 11/01/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2011

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





# BARGE "EMS 374"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/4"

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "EMS 374"

**3 STBD**  
**ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,284.99	0	1,925.84	0	1,567.23	0	1,206.62	0	846.02	0	496.21	0	135.71	0		0		0	
1/4	2,277.47	1/4	1,918.40	1/4	1,559.71	1/4	1,199.11	1/4	838.50	1/4	488.92	1/4	128.19	1/4	1/4		1/4		1/4
1/2	2,269.96	1/2	1,910.96	1/2	1,552.20	1/2	1,191.60	1/2	831.21	1/2	481.41	1/2	120.68	1/2	1/2		1/2		1/2
3/4	2,262.44	3/4	1,903.53	3/4	1,544.69	3/4	1,184.08	3/4	823.92	3/4	473.89	3/4	113.16	3/4	3/4		3/4		3/4
1	2,254.92	1	1,896.09	1	1,537.18	1	1,176.57	1	816.63	1	466.38	1	105.65	1	1		1		1
1/4	2,247.41	1/4	1,888.65	1/4	1,529.66	1/4	1,169.06	1/4	809.34	1/4	458.86	1/4	98.13	1/4	1/4		1/4		1/4
1/2	2,239.89	1/2	1,881.21	1/2	1,522.15	1/2	1,161.55	1/2	802.05	1/2	451.35	1/2	90.62	1/2	1/2		1/2		1/2
3/4	2,232.38	3/4	1,873.77	3/4	1,514.64	3/4	1,154.03	3/4	794.76	3/4	443.83	3/4	83.10	3/4	3/4		3/4		3/4
2	2,224.86	2	1,866.33	2	1,507.13	2	1,146.52	2	787.47	2	436.32	2	75.59	2	2		2		2
1/4	2,217.34	1/4	1,858.89	1/4	1,499.61	1/4	1,139.01	1/4	780.18	1/4	428.80	1/4	68.07	1/4	1/4		1/4		1/4
1/2	2,209.83	1/2	1,851.45	1/2	1,492.10	1/2	1,131.50	1/2	772.89	1/2	421.29	1/2	60.83	1/2	1/2		1/2		1/2
3/4	2,202.31	3/4	1,844.01	3/4	1,484.59	3/4	1,123.98	3/4	765.60	3/4	413.77	3/4	53.58	3/4	3/4		3/4		3/4
3	2,194.80	3	1,836.58	3	1,477.08	3	1,116.47	3	758.31	3	406.26	3	46.33	3	3		3		3
1/4	2,187.28	1/4	1,829.14	1/4	1,469.56	1/4	1,108.96	1/4	751.02	1/4	398.74	1/4	39.09	1/4	1/4		1/4		1/4
1/2	2,179.77	1/2	1,821.70	1/2	1,462.05	1/2	1,101.45	1/2	743.74	1/2	391.23	1/2	33.71	1/2	1/2		1/2		1/2
3/4	2,172.25	3/4	1,814.26	3/4	1,454.54	3/4	1,093.93	3/4	736.46	3/4	383.71	3/4	28.34	3/4	3/4		3/4		3/4
4	2,164.73	4	1,806.82	4	1,447.03	4	1,086.42	4	729.18	4	376.20	4	22.96	4	4		4		4
1/4	2,157.22	1/4	1,799.38	1/4	1,439.51	1/4	1,078.91	1/4	721.90	1/4	368.68	1/4	17.58	1/4	1/4		1/4		1/4
1/2	2,149.70	1/2	1,791.94	1/2	1,432.00	1/2	1,071.40	1/2	714.62	1/2	361.16	1/2		1/2	1/2		1/2		1/2
3/4	2,142.19	3/4	1,784.50	3/4	1,424.49	3/4	1,063.88	3/4	707.34	3/4	353.65	3/4		3/4	3/4		3/4		3/4
5	2,134.67	5	1,777.06	5	1,416.97	5	1,056.37	5	700.06	5	346.13	5		5	5		5		5
1/4	2,127.15	1/4	1,769.63	1/4	1,409.46	1/4	1,048.86	1/4	692.78	1/4	338.62	1/4		1/4	1/4		1/4		1/4
1/2	2,119.64	1/2	1,762.19	1/2	1,401.95	1/2	1,041.34	1/2	685.50	1/2	331.10	1/2		1/2	1/2		1/2		1/2
3/4	2,112.12	3/4	1,754.75	3/4	1,394.44	3/4	1,033.83	3/4	678.22	3/4	323.59	3/4		3/4	3/4		3/4		3/4
6	2,104.61	6	1,747.31	6	1,386.92	6	1,026.32	6	670.94	6	316.07	6		6	6		6		6
1/4	2,097.09	1/4	1,739.87	1/4	1,379.41	1/4	1,018.81	1/4	663.65	1/4	308.56	1/4		1/4	1/4		1/4		1/4
1/2	2,089.61	1/2	1,732.39	1/2	1,371.90	1/2	1,011.29	1/2	656.38	1/2	301.04	1/2		1/2	1/2		1/2		1/2
3/4	2,082.14	3/4	1,724.92	3/4	1,364.39	3/4	1,003.78	3/4	649.10	3/4	293.53	3/4		3/4	3/4		3/4		3/4
7	2,074.66	7	1,717.44	7	1,356.87	7	996.27	7	641.83	7	286.01	7		7	7		7		7
1/4	2,067.18	1/4	1,709.97	1/4	1,349.36	1/4	988.76	1/4	634.55	1/4	278.50	1/4		1/4	1/4		1/4		1/4
1/2	2,059.74	1/2	1,702.45	1/2	1,341.85	1/2	981.24	1/2	627.28	1/2	270.98	1/2		1/2	1/2		1/2		1/2
3/4	2,052.30	3/4	1,694.94	3/4	1,334.34	3/4	973.73	3/4	620.00	3/4	263.47	3/4		3/4	3/4		3/4		3/4
8	2,044.87	8	1,687.43	8	1,326.82	8	966.22	8	612.72	8	255.95	8		8	8		8		8
1/4	2,037.43	1/4	1,679.92	1/4	1,319.31	1/4	958.71	1/4	605.45	1/4	248.44	1/4		1/4	1/4		1/4		1/4
1/2	2,029.99	1/2	1,672.40	1/2	1,311.80	1/2	951.19	1/2	598.17	1/2	240.92	1/2		1/2	1/2		1/2		1/2
3/4	2,022.55	3/4	1,664.89	3/4	1,304.29	3/4	943.68	3/4	590.89	3/4	233.41	3/4		3/4	3/4		3/4		3/4
9	2,015.11	9	1,657.38	9	1,296.77	9	936.17	9	583.61	9	225.89	9		9	9		9		9
1/4	2,007.67	1/4	1,649.87	1/4	1,289.26	1/4	928.66	1/4	576.33	1/4	218.38	1/4		1/4	1/4		1/4		1/4
1/2	2,000.23	1/2	1,642.35	1/2	1,281.75	1/2	921.14	1/2	569.05	1/2	210.86	1/2		1/2	1/2		1/2		1/2
3/4	1,992.79	3/4	1,634.84	3/4	1,274.24	3/4	913.63	3/4	561.77	3/4	203.35	3/4		3/4	3/4		3/4		3/4
10	1,985.35	10	1,627.33	10	1,266.72	10	906.12	10	554.49	10	195.83	10		10	10		10		10
1/4	1,977.91	1/4	1,619.81	1/4	1,259.21	1/4	898.61	1/4	547.21	1/4	188.32	1/4		1/4	1/4		1/4		1/4
1/2	1,970.48	1/2	1,612.30	1/2	1,251.70	1/2	891.09	1/2	539.93	1/2	180.80	1/2		1/2	1/2		1/2		1/2
3/4	1,963.04	3/4	1,604.79	3/4	1,244.18	3/4	883.58	3/4	532.65	3/4	173.28	3/4		3/4	3/4		3/4		3/4
11	1,955.60	11	1,597.28	11	1,236.67	11	876.07	11	525.37	11	165.77	11		11	11		11		11
1/4	1,948.16	1/4	1,589.76	1/4	1,229.16	1/4	868.55	1/4	518.09	1/4	158.25	1/4		1/4	1/4		1/4		1/4
1/2	1,940.72	1/2	1,582.25	1/2	1,221.65	1/2	861.04	1/2	510.80	1/2	150.74	1/2		1/2	1/2		1/2		1/2
3/4	1,933.28	3/4	1,574.74	3/4	1,214.13	3/4	853.53	3/4	503.50	3/4	143.22	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2011 CL - SW  
CALCULATED: 11/01/2011 CL  
PRINTED: 11/01/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2011

PRECISION MEASUREMENT  
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