



BARGE "EMS 372"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-03"

December 21, 2011

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 372"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.65	0	255.68	0	537.49	0	838.07	0	1,158.96	0	1,490.50	0	1,822.03	0	2,153.57	0	2,485.11	0	2,816.63
1/4	5.94	1/4	261.36	1/4	543.58	1/4	844.54	1/4	1,165.87	1/4	1,497.40	1/4	1,828.94	1/4	2,160.48	1/4	2,492.01	1/4	2,823.54
1/2	9.24	1/2	267.05	1/2	549.68	1/2	851.01	1/2	1,172.78	1/2	1,504.31	1/2	1,835.85	1/2	2,167.38	1/2	2,498.92	1/2	2,830.45
3/4	12.53	3/4	272.73	3/4	555.77	3/4	857.48	3/4	1,179.68	3/4	1,511.22	3/4	1,842.75	3/4	2,174.29	3/4	2,505.83	3/4	2,837.35
1	15.82	1	278.41	1	561.87	1	863.95	1	1,186.59	1	1,518.13	1	1,849.66	1	2,181.20	1	2,512.73	1	2,844.26
1/4	20.87	1/4	284.12	1/4	568.00	1/4	870.45	1/4	1,193.50	1/4	1,525.03	1/4	1,856.57	1/4	2,188.10	1/4	2,519.64	1/4	2,851.16
1/2	25.93	1/2	289.84	1/2	574.13	1/2	876.95	1/2	1,200.40	1/2	1,531.94	1/2	1,863.48	1/2	2,195.01	1/2	2,526.55	1/2	2,858.07
3/4	30.98	3/4	295.55	3/4	580.26	3/4	883.45	3/4	1,207.31	3/4	1,538.85	3/4	1,870.38	3/4	2,201.92	3/4	2,533.45	3/4	2,864.98
2	36.04	2	301.27	2	586.39	2	889.95	2	1,214.22	2	1,545.75	2	1,877.29	2	2,208.83	2	2,540.36	2	2,871.88
1/4	41.37	1/4	307.02	1/4	592.55	1/4	896.49	1/4	1,221.12	1/4	1,552.66	1/4	1,884.20	1/4	2,215.73	1/4	2,547.27	1/4	2,878.79
1/2	46.71	1/2	312.77	1/2	598.72	1/2	903.03	1/2	1,228.03	1/2	1,559.57	1/2	1,891.10	1/2	2,222.64	1/2	2,554.18	1/2	2,885.69
3/4	52.05	3/4	318.52	3/4	604.88	3/4	909.56	3/4	1,234.94	3/4	1,566.47	3/4	1,898.01	3/4	2,229.55	3/4	2,561.08	3/4	2,892.60
3	57.38	3	324.27	3	611.05	3	916.10	3	1,241.85	3	1,573.38	3	1,904.92	3	2,236.45	3	2,567.99	3	2,899.51
1/4	62.75	1/4	330.05	1/4	617.25	1/4	922.69	1/4	1,248.75	1/4	1,580.29	1/4	1,911.82	1/4	2,243.36	1/4	2,574.90	1/4	2,906.41
1/2	68.12	1/2	335.84	1/2	623.44	1/2	929.28	1/2	1,255.66	1/2	1,587.20	1/2	1,918.73	1/2	2,250.27	1/2	2,581.80	1/2	2,913.32
3/4	73.49	3/4	341.62	3/4	629.64	3/4	935.87	3/4	1,262.57	3/4	1,594.10	3/4	1,925.64	3/4	2,257.17	3/4	2,588.71	3/4	2,920.22
4	78.86	4	347.41	4	635.84	4	942.46	4	1,269.47	4	1,601.01	4	1,932.55	4	2,264.08	4	2,595.62	4	2,927.13
1/4	84.27	1/4	353.23	1/4	642.08	1/4	949.08	1/4	1,276.38	1/4	1,607.92	1/4	1,939.45	1/4	2,270.99	1/4	2,602.52	1/4	2,934.04
1/2	89.67	1/2	359.05	1/2	648.31	1/2	955.70	1/2	1,283.29	1/2	1,614.82	1/2	1,946.36	1/2	2,277.90	1/2	2,609.43	1/2	2,940.94
3/4	95.08	3/4	364.87	3/4	654.54	3/4	962.33	3/4	1,290.19	3/4	1,621.73	3/4	1,953.27	3/4	2,284.80	3/4	2,616.34	3/4	2,947.85
5	100.48	5	370.68	5	660.78	5	968.95	5	1,297.10	5	1,628.64	5	1,960.17	5	2,291.71	5	2,623.25	5	2,954.75
1/4	105.92	1/4	376.54	1/4	667.02	1/4	975.63	1/4	1,304.01	1/4	1,635.54	1/4	1,967.08	1/4	2,298.62	1/4	2,630.15	1/4	2,961.66
1/2	111.36	1/2	382.39	1/2	673.25	1/2	982.32	1/2	1,310.92	1/2	1,642.45	1/2	1,973.99	1/2	2,305.52	1/2	2,637.06	1/2	2,968.57
3/4	116.80	3/4	388.25	3/4	679.49	3/4	989.00	3/4	1,317.82	3/4	1,649.36	3/4	1,980.89	3/4	2,312.43	3/4	2,643.97	3/4	2,975.47
6	122.24	6	394.10	6	685.73	6	995.68	6	1,324.73	6	1,656.27	6	1,987.80	6	2,319.34	6	2,650.87	6	2,982.38
1/4	127.71	1/4	399.99	1/4	692.01	1/4	1,002.40	1/4	1,331.64	1/4	1,663.17	1/4	1,994.71	1/4	2,326.24	1/4	2,657.78	1/4	2,989.28
1/2	133.19	1/2	405.88	1/2	698.28	1/2	1,009.11	1/2	1,338.54	1/2	1,670.08	1/2	2,001.62	1/2	2,333.15	1/2	2,664.69	1/2	2,996.19
3/4	138.66	3/4	411.76	3/4	704.55	3/4	1,015.83	3/4	1,345.45	3/4	1,676.99	3/4	2,008.52	3/4	2,340.06	3/4	2,671.59	3/4	3,003.10
7	144.13	7	417.65	7	710.83	7	1,022.55	7	1,352.36	7	1,683.89	7	2,015.43	7	2,346.97	7	2,678.50	7	3,010.00
1/4	149.64	1/4	423.58	1/4	717.12	1/4	1,029.30	1/4	1,359.26	1/4	1,690.80	1/4	2,022.34	1/4	2,353.87	1/4	2,685.41	1/4	3,016.91
1/2	155.15	1/2	429.50	1/2	723.42	1/2	1,036.05	1/2	1,366.17	1/2	1,697.71	1/2	2,029.24	1/2	2,360.78	1/2	2,692.32	1/2	3,023.81
3/4	160.66	3/4	435.42	3/4	729.71	3/4	1,042.80	3/4	1,373.08	3/4	1,704.61	3/4	2,036.15	3/4	2,367.69	3/4	2,699.22	3/4	3,030.72
8	166.17	8	441.34	8	736.01	8	1,049.56	8	1,379.99	8	1,711.52	8	2,043.06	8	2,374.59	8	2,706.13	8	3,037.63
1/4	171.71	1/4	447.30	1/4	742.34	1/4	1,056.34	1/4	1,386.89	1/4	1,718.43	1/4	2,049.96	1/4	2,381.50	1/4	2,713.04	1/4	3,044.53
1/2	177.25	1/2	453.26	1/2	748.67	1/2	1,063.13	1/2	1,393.80	1/2	1,725.34	1/2	2,056.87	1/2	2,388.41	1/2	2,719.94	1/2	3,051.44
3/4	182.80	3/4	459.21	3/4	755.00	3/4	1,069.91	3/4	1,400.71	3/4	1,732.24	3/4	2,063.78	3/4	2,395.31	3/4	2,726.85	3/4	3,058.34
9	188.34	9	465.17	9	761.33	9	1,076.70	9	1,407.61	9	1,739.15	9	2,070.69	9	2,402.22	9	2,733.76	9	3,065.25
1/4	193.92	1/4	471.16	1/4	767.69	1/4	1,083.52	1/4	1,414.52	1/4	1,746.06	1/4	2,077.59	1/4	2,409.13	1/4	2,740.66	1/4	3,072.16
1/2	199.49	1/2	477.16	1/2	774.05	1/2	1,090.34	1/2	1,421.43	1/2	1,752.96	1/2	2,084.50	1/2	2,416.04	1/2	2,747.57	1/2	3,079.06
3/4	205.07	3/4	483.15	3/4	780.42	3/4	1,097.16	3/4	1,428.33	3/4	1,759.87	3/4	2,091.41	3/4	2,422.94	3/4	2,754.48	3/4	3,085.97
10	210.65	10	489.14	10	786.78	10	1,103.98	10	1,435.24	10	1,766.78	10	2,098.31	10	2,429.85	10	2,761.39	10	3,092.87
1/4	216.26	1/4	495.17	1/4	793.18	1/4	1,110.84	1/4	1,442.15	1/4	1,773.68	1/4	2,105.22	1/4	2,436.76	1/4	2,768.29	1/4	3,099.78
1/2	221.87	1/2	501.19	1/2	799.57	1/2	1,117.69	1/2	1,449.06	1/2	1,780.59	1/2	2,112.13	1/2	2,443.66	1/2	2,775.20	1/2	3,106.69
3/4	227.49	3/4	507.22	3/4	805.97	3/4	1,124.55	3/4	1,455.96	3/4	1,787.50	3/4	2,119.03	3/4	2,450.57	3/4	2,782.10	3/4	3,113.59
11	233.10	11	513.24	11	812.36	11	1,131.40	11	1,462.87	11	1,794.41	11	2,125.94	11	2,457.48	11	2,789.01	11	3,120.50
1/4	238.74	1/4	519.31	1/4	818.79	1/4	1,138.29	1/4	1,469.78	1/4	1,801.31	1/4	2,132.85	1/4	2,464.38	1/4	2,795.92	1/4	3,127.40
1/2	244.39	1/2	525.37	1/2	825.22	1/2	1,145.18	1/2	1,476.68	1/2	1,808.22	1/2	2,139.76	1/2	2,471.29	1/2	2,802.82	1/2	3,134.31
3/4	250.04	3/4	531.43	3/4	831.65	3/4	1,152.07	3/4	1,483.59	3/4	1,815.13	3/4	2,146.66	3/4	2,478.20	3/4	2,809.73	3/4	3,141.22

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 372"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,148.12	0	3,479.61	0	3,811.10	0	4,141.79	0		0		0		0		0		0	
1/4	3,155.03	1/4	3,486.52	1/4	3,818.00	1/4	4,148.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,161.93	1/2	3,493.42	1/2	3,824.91	1/2	4,155.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,168.84	3/4	3,500.33	3/4	3,831.82	3/4	4,162.38	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,175.75	1	3,507.23	1	3,838.72	1	4,169.25	1		1		1		1		1		1	
1/4	3,182.65	1/4	3,514.14	1/4	3,845.63	1/4	4,176.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,189.56	1/2	3,521.05	1/2	3,852.53	1/2	4,182.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,196.46	3/4	3,527.95	3/4	3,859.44	3/4	4,189.85	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,203.37	2	3,534.86	2	3,866.35	2	4,196.71	2		2		2		2		2		2	
1/4	3,210.28	1/4	3,541.76	1/4	3,873.25	1/4	4,203.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,217.18	1/2	3,548.67	1/2	3,880.16	1/2	4,210.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,224.09	3/4	3,555.58	3/4	3,887.06	3/4	4,217.31	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,230.99	3	3,562.48	3	3,893.97	3	4,224.18	3		3		3		3		3		3	
1/4	3,237.90	1/4	3,569.39	1/4	3,900.88	1/4	4,231.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,244.81	1/2	3,576.29	1/2	3,907.78	1/2	4,237.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,251.71	3/4	3,583.20	3/4	3,914.69	3/4	4,244.78	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,258.62	4	3,590.11	4	3,921.59	4	4,251.64	4		4		4		4		4		4	
1/4	3,265.52	1/4	3,597.01	1/4	3,928.50	1/4	4,258.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,272.43	1/2	3,603.92	1/2	3,935.41	1/2	4,265.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,279.34	3/4	3,610.82	3/4	3,942.31	3/4	4,272.24	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,286.24	5	3,617.73	5	3,949.22	5	4,279.11	5		5		5		5		5		5	
1/4	3,293.15	1/4	3,624.64	1/4	3,956.12	1/4	4,285.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,300.05	1/2	3,631.54	1/2	3,963.03	1/2	4,292.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,306.96	3/4	3,638.45	3/4	3,969.94	3/4	4,299.70	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,313.87	6	3,645.35	6	3,976.84	6	4,306.57	6		6		6		6		6		6	
1/4	3,320.77	1/4	3,652.26	1/4	3,983.75	1/4	4,313.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,327.68	1/2	3,659.17	1/2	3,990.65	1/2	4,320.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,334.58	3/4	3,666.07	3/4	3,997.56	3/4	4,327.17	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,341.49	7	3,672.98	7	4,004.47	7	4,334.03	7		7		7		7		7		7	
1/4	3,348.40	1/4	3,679.88	1/4	4,011.33	1/4	4,340.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,355.30	1/2	3,686.79	1/2	4,018.20	1/2	4,347.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,362.21	3/4	3,693.70	3/4	4,025.06	3/4	4,354.41	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,369.11	8	3,700.60	8	4,031.93	8	4,361.20	8		8		8		8		8		8	
1/4	3,376.02	1/4	3,707.51	1/4	4,038.80	1/4	4,367.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,382.93	1/2	3,714.41	1/2	4,045.66	1/2	4,374.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,389.83	3/4	3,721.32	3/4	4,052.53	3/4	4,380.52	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,396.74	9	3,728.23	9	4,059.39	9	4,386.96	9		9		9		9		9		9	
1/4	3,403.64	1/4	3,735.13	1/4	4,066.26	1/4	4,392.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,410.55	1/2	3,742.04	1/2	4,073.13	1/2	4,397.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,417.46	3/4	3,748.94	3/4	4,079.99	3/4	4,402.63	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,424.36	10	3,755.85	10	4,086.86	10		10		10		10		10		10		10	
1/4	3,431.27	1/4	3,762.76	1/4	4,093.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,438.17	1/2	3,769.66	1/2	4,100.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,445.08	3/4	3,776.57	3/4	4,107.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,451.99	11	3,783.47	11	4,114.32	11		11		11		11		11		11		11	
1/4	3,458.89	1/4	3,790.38	1/4	4,121.19	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,465.80	1/2	3,797.29	1/2	4,128.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,472.70	3/4	3,804.19	3/4	4,134.92	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2011 CL - SW
CALCULATED: 08/18/2011 CL
REPRINTED: 12/21/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "EMS 372"

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	2.66	0	255.86	0	537.84	0	839.41	0	1,161.01	0	1,492.72	0	1,824.43	0	2,156.14	0	2,487.85	0	2,819.55
1/4	5.95	1/4	261.55	1/4	543.94	1/4	845.91	1/4	1,167.92	1/4	1,499.63	1/4	1,831.34	1/4	2,163.05	1/4	2,494.76	1/4	2,826.46
1/2	9.25	1/2	267.23	1/2	550.04	1/2	852.41	1/2	1,174.84	1/2	1,506.54	1/2	1,838.25	1/2	2,169.96	1/2	2,501.67	1/2	2,833.37
3/4	12.54	3/4	272.91	3/4	556.14	3/4	858.91	3/4	1,181.75	3/4	1,513.45	3/4	1,845.16	3/4	2,176.87	3/4	2,508.58	3/4	2,840.28
1	15.84	1	278.60	1	562.24	1	865.41	1	1,188.66	1	1,520.37	1	1,852.07	1	2,183.78	1	2,515.49	1	2,847.19
1/4	20.90	1/4	284.32	1/4	568.37	1/4	871.94	1/4	1,195.57	1/4	1,527.28	1/4	1,858.98	1/4	2,190.69	1/4	2,522.40	1/4	2,854.10
1/2	25.95	1/2	290.04	1/2	574.50	1/2	878.48	1/2	1,202.48	1/2	1,534.19	1/2	1,865.90	1/2	2,197.60	1/2	2,529.31	1/2	2,861.01
3/4	31.01	3/4	295.76	3/4	580.64	3/4	885.01	3/4	1,209.39	3/4	1,541.10	3/4	1,872.81	3/4	2,204.51	3/4	2,536.22	3/4	2,867.92
2	36.07	2	301.48	2	586.77	2	891.55	2	1,216.30	2	1,548.01	2	1,879.72	2	2,211.43	2	2,543.13	2	2,874.83
1/4	41.41	1/4	307.23	1/4	592.94	1/4	898.12	1/4	1,223.21	1/4	1,554.92	1/4	1,886.63	1/4	2,218.34	1/4	2,550.04	1/4	2,881.74
1/2	46.75	1/2	312.98	1/2	599.11	1/2	904.69	1/2	1,230.12	1/2	1,561.83	1/2	1,893.54	1/2	2,225.25	1/2	2,556.96	1/2	2,888.65
3/4	52.09	3/4	318.74	3/4	605.27	3/4	911.26	3/4	1,237.03	3/4	1,568.74	3/4	1,900.45	3/4	2,232.16	3/4	2,563.87	3/4	2,895.56
3	57.43	3	324.49	3	611.44	3	917.83	3	1,243.94	3	1,575.65	3	1,907.36	3	2,239.07	3	2,570.78	3	2,902.47
1/4	62.80	1/4	330.28	1/4	617.64	1/4	924.44	1/4	1,250.85	1/4	1,582.56	1/4	1,914.27	1/4	2,245.98	1/4	2,577.69	1/4	2,909.37
1/2	68.18	1/2	336.07	1/2	623.85	1/2	931.06	1/2	1,257.76	1/2	1,589.47	1/2	1,921.18	1/2	2,252.89	1/2	2,584.60	1/2	2,916.28
3/4	73.55	3/4	341.86	3/4	630.05	3/4	937.68	3/4	1,264.67	3/4	1,596.38	3/4	1,928.09	3/4	2,259.80	3/4	2,591.51	3/4	2,923.19
4	78.92	4	347.64	4	636.25	4	944.29	4	1,271.58	4	1,603.29	4	1,935.00	4	2,266.71	4	2,598.42	4	2,930.10
1/4	84.33	1/4	353.47	1/4	642.49	1/4	950.95	1/4	1,278.49	1/4	1,610.20	1/4	1,941.91	1/4	2,273.62	1/4	2,605.33	1/4	2,937.01
1/2	89.74	1/2	359.29	1/2	648.73	1/2	957.60	1/2	1,285.40	1/2	1,617.11	1/2	1,948.82	1/2	2,280.53	1/2	2,612.24	1/2	2,943.92
3/4	95.15	3/4	365.11	3/4	654.96	3/4	964.25	3/4	1,292.32	3/4	1,624.02	3/4	1,955.73	3/4	2,287.44	3/4	2,619.15	3/4	2,950.83
5	100.56	5	370.94	5	661.20	5	970.90	5	1,299.23	5	1,630.93	5	1,962.64	5	2,294.35	5	2,626.06	5	2,957.74
1/4	106.00	1/4	376.79	1/4	667.47	1/4	977.59	1/4	1,306.14	1/4	1,637.85	1/4	1,969.55	1/4	2,301.26	1/4	2,632.97	1/4	2,964.65
1/2	111.44	1/2	382.65	1/2	673.74	1/2	984.27	1/2	1,313.05	1/2	1,644.76	1/2	1,976.46	1/2	2,308.17	1/2	2,639.88	1/2	2,971.56
3/4	116.89	3/4	388.51	3/4	680.02	3/4	990.96	3/4	1,319.96	3/4	1,651.67	3/4	1,983.38	3/4	2,315.08	3/4	2,646.79	3/4	2,978.47
6	122.33	6	394.36	6	686.29	6	997.65	6	1,326.87	6	1,658.58	6	1,990.29	6	2,321.99	6	2,653.70	6	2,985.38
1/4	127.81	1/4	400.26	1/4	692.59	1/4	1,004.37	1/4	1,333.78	1/4	1,665.49	1/4	1,997.20	1/4	2,328.91	1/4	2,660.61	1/4	2,992.29
1/2	133.28	1/2	406.15	1/2	698.90	1/2	1,011.09	1/2	1,340.69	1/2	1,672.40	1/2	2,004.11	1/2	2,335.82	1/2	2,667.52	1/2	2,999.20
3/4	138.76	3/4	412.04	3/4	705.21	3/4	1,017.81	3/4	1,347.60	3/4	1,679.31	3/4	2,011.02	3/4	2,342.73	3/4	2,674.44	3/4	3,006.11
7	144.24	7	417.93	7	711.51	7	1,024.53	7	1,354.51	7	1,686.22	7	2,017.93	7	2,349.64	7	2,681.35	7	3,013.02
1/4	149.75	1/4	423.86	1/4	717.84	1/4	1,031.28	1/4	1,361.42	1/4	1,693.13	1/4	2,024.84	1/4	2,356.55	1/4	2,688.26	1/4	3,019.93
1/2	155.26	1/2	429.78	1/2	724.17	1/2	1,038.04	1/2	1,368.33	1/2	1,700.04	1/2	2,031.75	1/2	2,363.46	1/2	2,695.17	1/2	3,026.84
3/4	160.78	3/4	435.71	3/4	730.49	3/4	1,044.79	3/4	1,375.24	3/4	1,706.95	3/4	2,038.66	3/4	2,370.37	3/4	2,702.08	3/4	3,033.75
8	166.29	8	441.64	8	736.82	8	1,051.55	8	1,382.15	8	1,713.86	8	2,045.57	8	2,377.28	8	2,708.99	8	3,040.66
1/4	171.83	1/4	447.60	1/4	743.18	1/4	1,058.34	1/4	1,389.06	1/4	1,720.77	1/4	2,052.48	1/4	2,384.19	1/4	2,715.90	1/4	3,047.57
1/2	177.38	1/2	453.56	1/2	749.55	1/2	1,065.13	1/2	1,395.97	1/2	1,727.68	1/2	2,059.39	1/2	2,391.10	1/2	2,722.81	1/2	3,054.48
3/4	182.93	3/4	459.52	3/4	755.91	3/4	1,071.92	3/4	1,402.88	3/4	1,734.59	3/4	2,066.30	3/4	2,398.01	3/4	2,729.72	3/4	3,061.39
9	188.47	9	465.48	9	762.27	9	1,078.71	9	1,409.80	9	1,741.50	9	2,073.21	9	2,404.92	9	2,736.63	9	3,068.30
1/4	194.05	1/4	471.48	1/4	768.67	1/4	1,085.53	1/4	1,416.71	1/4	1,748.41	1/4	2,080.12	1/4	2,411.83	1/4	2,743.54	1/4	3,075.21
1/2	199.64	1/2	477.47	1/2	775.06	1/2	1,092.36	1/2	1,423.62	1/2	1,755.33	1/2	2,087.03	1/2	2,418.74	1/2	2,750.45	1/2	3,082.11
3/4	205.22	3/4	483.47	3/4	781.46	3/4	1,099.18	3/4	1,430.53	3/4	1,762.24	3/4	2,093.94	3/4	2,425.65	3/4	2,757.36	3/4	3,089.02
10	210.80	10	489.46	10	787.86	10	1,106.01	10	1,437.44	10	1,769.15	10	2,100.86	10	2,432.56	10	2,764.27	10	3,095.93
1/4	216.41	1/4	495.49	1/4	794.28	1/4	1,112.86	1/4	1,444.35	1/4	1,776.06	1/4	2,107.77	1/4	2,439.47	1/4	2,771.18	1/4	3,102.84
1/2	222.03	1/2	501.52	1/2	800.71	1/2	1,119.72	1/2	1,451.26	1/2	1,782.97	1/2	2,114.68	1/2	2,446.39	1/2	2,778.09	1/2	3,109.75
3/4	227.64	3/4	507.55	3/4	807.14	3/4	1,126.58	3/4	1,458.17	3/4	1,789.88	3/4	2,121.59	3/4	2,453.30	3/4	2,785.00	3/4	3,116.66
11	233.26	11	513.58	11	813.56	11	1,133.44	11	1,465.08	11	1,796.79	11	2,128.50	11	2,460.21	11	2,791.91	11	3,123.57
1/4	238.91	1/4	519.65	1/4	820.03	1/4	1,140.33	1/4	1,471.99	1/4	1,803.70	1/4	2,135.41	1/4	2,467.12	1/4	2,798.82	1/4	3,130.48
1/2	244.56	1/2	525.71	1/2	826.49	1/2	1,147.23	1/2	1,478.90	1/2	1,810.61	1/2	2,142.32	1/2	2,474.03	1/2	2,805.73	1/2	3,137.39
3/4	250.21	3/4	531.78	3/4	832.95	3/4	1,154.12	3/4	1,485.81	3/4	1,817.52	3/4	2,149.23	3/4	2,480.94	3/4	2,812.64	3/4	3,144.30

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 45'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "EMS 372"

**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	3,151.21	0	3,482.87	0	3,814.53	0	4,145.40	0		0		0		0		0		0	
1/4	3,158.12	1/4	3,489.78	1/4	3,821.44	1/4	4,152.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,165.03	1/2	3,496.69	1/2	3,828.35	1/2	4,159.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,171.94	3/4	3,503.60	3/4	3,835.26	3/4	4,166.01	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,178.85	1	3,510.51	1	3,842.17	1	4,172.88	1		1		1		1		1		1	
1/4	3,185.76	1/4	3,517.42	1/4	3,849.08	1/4	4,179.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,192.67	1/2	3,524.33	1/2	3,855.99	1/2	4,186.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,199.58	3/4	3,531.24	3/4	3,862.90	3/4	4,193.49	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,206.49	2	3,538.15	2	3,869.81	2	4,200.36	2		2		2		2		2		2	
1/4	3,213.40	1/4	3,545.06	1/4	3,876.72	1/4	4,207.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,220.31	1/2	3,551.97	1/2	3,883.63	1/2	4,214.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,227.22	3/4	3,558.88	3/4	3,890.54	3/4	4,220.96	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,234.13	3	3,565.79	3	3,897.45	3	4,227.83	3		3		3		3		3		3	
1/4	3,241.04	1/4	3,572.70	1/4	3,904.36	1/4	4,234.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,247.95	1/2	3,579.61	1/2	3,911.27	1/2	4,241.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,254.85	3/4	3,586.52	3/4	3,918.18	3/4	4,248.44	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,261.76	4	3,593.43	4	3,925.09	4	4,255.31	4		4		4		4		4		4	
1/4	3,268.67	1/4	3,600.33	1/4	3,932.00	1/4	4,262.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,275.58	1/2	3,607.24	1/2	3,938.91	1/2	4,269.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,282.49	3/4	3,614.15	3/4	3,945.81	3/4	4,275.92	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,289.40	5	3,621.06	5	3,952.72	5	4,282.79	5		5		5		5		5		5	
1/4	3,296.31	1/4	3,627.97	1/4	3,959.63	1/4	4,289.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,303.22	1/2	3,634.88	1/2	3,966.54	1/2	4,296.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,310.13	3/4	3,641.79	3/4	3,973.45	3/4	4,303.40	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,317.04	6	3,648.70	6	3,980.36	6	4,310.27	6		6		6		6		6		6	
1/4	3,323.95	1/4	3,655.61	1/4	3,987.27	1/4	4,317.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,330.86	1/2	3,662.52	1/2	3,994.18	1/2	4,324.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,337.77	3/4	3,669.43	3/4	4,001.09	3/4	4,330.88	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,344.68	7	3,676.34	7	4,008.00	7	4,337.75	7		7		7		7		7		7	
1/4	3,351.59	1/4	3,683.25	1/4	4,014.87	1/4	4,344.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,358.50	1/2	3,690.16	1/2	4,021.74	1/2	4,351.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,365.41	3/4	3,697.07	3/4	4,028.61	3/4	4,358.14	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,372.32	8	3,703.98	8	4,035.48	8	4,364.93	8		8		8		8		8		8	
1/4	3,379.23	1/4	3,710.89	1/4	4,042.35	1/4	4,371.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,386.14	1/2	3,717.80	1/2	4,049.22	1/2	4,377.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,393.05	3/4	3,724.71	3/4	4,056.09	3/4	4,384.27	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,399.96	9	3,731.62	9	4,062.96	9	4,390.71	9		9		9		9		9		9	
1/4	3,406.87	1/4	3,738.53	1/4	4,069.83	1/4	4,395.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,413.78	1/2	3,745.44	1/2	4,076.70	1/2	4,401.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,420.69	3/4	3,752.35	3/4	4,083.57	3/4	4,406.39	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,427.59	10	3,759.26	10	4,090.44	10		10		10		10		10		10		10	
1/4	3,434.50	1/4	3,766.17	1/4	4,097.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,441.41	1/2	3,773.07	1/2	4,104.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,448.32	3/4	3,779.98	3/4	4,111.05	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,455.23	11	3,786.89	11	4,117.92	11		11		11		11		11		11		11	
1/4	3,462.14	1/4	3,793.80	1/4	4,124.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,469.05	1/2	3,800.71	1/2	4,131.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,475.96	3/4	3,807.62	3/4	4,138.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2011 CL - SW
CALCULATED: 08/18/2011 CL
REPRINTED: 12/21/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "EMS 372"

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	18.89	0	397.15	0	775.54	0	1,159.26	0	1,547.97	0	1,936.67	0	2,325.37	0	2,714.08	0	3,102.78	0	3,491.48
1/4	24.67	1/4	405.25	1/4	783.32	1/4	1,167.36	1/4	1,556.06	1/4	1,944.77	1/4	2,333.47	1/4	2,722.18	1/4	3,110.88	1/4	3,499.57
1/2	30.45	1/2	413.34	1/2	791.09	1/2	1,175.46	1/2	1,564.16	1/2	1,952.87	1/2	2,341.57	1/2	2,730.27	1/2	3,118.98	1/2	3,507.67
3/4	36.24	3/4	421.44	3/4	798.87	3/4	1,183.56	3/4	1,572.26	3/4	1,960.96	3/4	2,349.67	3/4	2,738.37	3/4	3,127.08	3/4	3,515.77
1	42.02	1	429.54	1	806.64	1	1,191.65	1	1,580.36	1	1,969.06	1	2,357.77	1	2,746.47	1	3,135.17	1	3,523.87
1/4	49.83	1/4	437.63	1/4	814.43	1/4	1,199.75	1/4	1,588.46	1/4	1,977.16	1/4	2,365.86	1/4	2,754.57	1/4	3,143.27	1/4	3,531.96
1/2	57.64	1/2	445.73	1/2	822.22	1/2	1,207.85	1/2	1,596.55	1/2	1,985.26	1/2	2,373.96	1/2	2,762.67	1/2	3,151.37	1/2	3,540.06
3/4	65.44	3/4	453.83	3/4	830.00	3/4	1,215.95	3/4	1,604.65	3/4	1,993.36	3/4	2,382.06	3/4	2,770.76	3/4	3,159.47	3/4	3,548.16
2	73.25	2	461.93	2	837.79	2	1,224.05	2	1,612.75	2	2,001.45	2	2,390.16	2	2,778.86	2	3,167.57	2	3,556.25
1/4	81.35	1/4	470.02	1/4	845.58	1/4	1,232.14	1/4	1,620.85	1/4	2,009.55	1/4	2,398.26	1/4	2,786.96	1/4	3,175.66	1/4	3,564.35
1/2	89.45	1/2	478.12	1/2	853.37	1/2	1,240.24	1/2	1,628.95	1/2	2,017.65	1/2	2,406.35	1/2	2,795.06	1/2	3,183.76	1/2	3,572.45
3/4	97.54	3/4	486.22	3/4	861.17	3/4	1,248.34	3/4	1,637.04	3/4	2,025.75	3/4	2,414.45	3/4	2,803.16	3/4	3,191.86	3/4	3,580.54
3	105.64	3	494.32	3	868.96	3	1,256.44	3	1,645.14	3	2,033.85	3	2,422.55	3	2,811.25	3	3,199.96	3	3,588.64
1/4	113.74	1/4	502.41	1/4	876.75	1/4	1,264.54	1/4	1,653.24	1/4	2,041.94	1/4	2,430.65	1/4	2,819.35	1/4	3,208.06	1/4	3,596.74
1/2	121.84	1/2	510.51	1/2	884.54	1/2	1,272.63	1/2	1,661.34	1/2	2,050.04	1/2	2,438.75	1/2	2,827.45	1/2	3,216.15	1/2	3,604.83
3/4	129.93	3/4	518.61	3/4	892.33	3/4	1,280.73	3/4	1,669.44	3/4	2,058.14	3/4	2,446.84	3/4	2,835.55	3/4	3,224.25	3/4	3,612.93
4	138.03	4	526.71	4	900.13	4	1,288.83	4	1,677.53	4	2,066.24	4	2,454.94	4	2,843.65	4	3,232.35	4	3,621.03
1/4	146.13	1/4	534.49	1/4	908.22	1/4	1,296.93	1/4	1,685.63	1/4	2,074.34	1/4	2,463.04	1/4	2,851.74	1/4	3,240.45	1/4	3,629.12
1/2	154.23	1/2	542.28	1/2	916.32	1/2	1,305.03	1/2	1,693.73	1/2	2,082.43	1/2	2,471.14	1/2	2,859.84	1/2	3,248.55	1/2	3,637.22
3/4	162.32	3/4	550.06	3/4	924.42	3/4	1,313.12	3/4	1,701.83	3/4	2,090.53	3/4	2,479.24	3/4	2,867.94	3/4	3,256.64	3/4	3,645.32
5	170.42	5	557.85	5	932.52	5	1,321.22	5	1,709.93	5	2,098.63	5	2,487.33	5	2,876.04	5	3,264.74	5	3,653.42
1/4	178.52	1/4	565.62	1/4	940.62	1/4	1,329.32	1/4	1,718.02	1/4	2,106.73	1/4	2,495.43	1/4	2,884.14	1/4	3,272.84	1/4	3,661.51
1/2	186.62	1/2	573.40	1/2	948.71	1/2	1,337.42	1/2	1,726.12	1/2	2,114.83	1/2	2,503.53	1/2	2,892.23	1/2	3,280.94	1/2	3,669.61
3/4	194.71	3/4	581.18	3/4	956.81	3/4	1,345.52	3/4	1,734.22	3/4	2,122.92	3/4	2,511.63	3/4	2,900.33	3/4	3,289.04	3/4	3,677.71
6	202.81	6	588.95	6	964.91	6	1,353.61	6	1,742.32	6	2,131.02	6	2,519.73	6	2,908.43	6	3,297.13	6	3,685.80
1/4	210.91	1/4	596.73	1/4	973.01	1/4	1,361.71	1/4	1,750.42	1/4	2,139.12	1/4	2,527.82	1/4	2,916.53	1/4	3,305.23	1/4	3,693.90
1/2	219.00	1/2	604.50	1/2	981.11	1/2	1,369.81	1/2	1,758.51	1/2	2,147.22	1/2	2,535.92	1/2	2,924.63	1/2	3,313.33	1/2	3,702.00
3/4	227.10	3/4	612.28	3/4	989.20	3/4	1,377.91	3/4	1,766.61	3/4	2,155.32	3/4	2,544.02	3/4	2,932.72	3/4	3,321.43	3/4	3,710.09
7	235.20	7	620.06	7	997.30	7	1,386.01	7	1,774.71	7	2,163.41	7	2,552.12	7	2,940.82	7	3,329.53	7	3,718.19
1/4	243.30	1/4	627.83	1/4	1,005.40	1/4	1,394.10	1/4	1,782.81	1/4	2,171.51	1/4	2,560.22	1/4	2,948.92	1/4	3,337.62	1/4	3,726.29
1/2	251.39	1/2	635.61	1/2	1,013.50	1/2	1,402.20	1/2	1,790.91	1/2	2,179.61	1/2	2,568.31	1/2	2,957.02	1/2	3,345.72	1/2	3,734.38
3/4	259.49	3/4	643.38	3/4	1,021.60	3/4	1,410.30	3/4	1,799.00	3/4	2,187.71	3/4	2,576.41	3/4	2,965.12	3/4	3,353.82	3/4	3,742.48
8	267.59	8	651.16	8	1,029.69	8	1,418.40	8	1,807.10	8	2,195.81	8	2,584.51	8	2,973.21	8	3,361.92	8	3,750.58
1/4	275.69	1/4	658.93	1/4	1,037.79	1/4	1,426.50	1/4	1,815.20	1/4	2,203.90	1/4	2,592.61	1/4	2,981.31	1/4	3,370.02	1/4	3,758.68
1/2	283.78	1/2	666.70	1/2	1,045.89	1/2	1,434.59	1/2	1,823.30	1/2	2,212.00	1/2	2,600.71	1/2	2,989.41	1/2	3,378.11	1/2	3,766.77
3/4	291.88	3/4	674.47	3/4	1,053.99	3/4	1,442.69	3/4	1,831.40	3/4	2,220.10	3/4	2,608.80	3/4	2,997.51	3/4	3,386.21	3/4	3,774.87
9	299.98	9	682.25	9	1,062.09	9	1,450.79	9	1,839.49	9	2,228.20	9	2,616.90	9	3,005.61	9	3,394.31	9	3,782.97
1/4	308.08	1/4	690.02	1/4	1,070.18	1/4	1,458.89	1/4	1,847.59	1/4	2,236.30	1/4	2,625.00	1/4	3,013.70	1/4	3,402.41	1/4	3,791.06
1/2	316.17	1/2	697.79	1/2	1,078.28	1/2	1,466.99	1/2	1,855.69	1/2	2,244.39	1/2	2,633.10	1/2	3,021.80	1/2	3,410.51	1/2	3,799.16
3/4	324.27	3/4	705.56	3/4	1,086.38	3/4	1,475.08	3/4	1,863.79	3/4	2,252.49	3/4	2,641.20	3/4	3,029.90	3/4	3,418.60	3/4	3,807.26
10	332.37	10	713.33	10	1,094.48	10	1,483.18	10	1,871.89	10	2,260.59	10	2,649.29	10	3,038.00	10	3,426.70	10	3,815.35
1/4	340.47	1/4	721.11	1/4	1,102.58	1/4	1,491.28	1/4	1,879.98	1/4	2,268.69	1/4	2,657.39	1/4	3,046.10	1/4	3,434.80	1/4	3,823.45
1/2	348.56	1/2	728.88	1/2	1,110.67	1/2	1,499.38	1/2	1,888.08	1/2	2,276.79	1/2	2,665.49	1/2	3,054.19	1/2	3,442.90	1/2	3,831.55
3/4	356.66	3/4	736.66	3/4	1,118.77	3/4	1,507.48	3/4	1,896.18	3/4	2,284.88	3/4	2,673.59	3/4	3,062.29	3/4	3,450.99	3/4	3,839.64
11	364.76	11	744.44	11	1,126.87	11	1,515.57	11	1,904.28	11	2,292.98	11	2,681.69	11	3,070.39	11	3,459.09	11	3,847.74
1/4	372.86	1/4	752.21	1/4	1,134.97	1/4	1,523.67	1/4	1,912.38	1/4	2,301.08	1/4	2,689.78	1/4	3,078.49	1/4	3,467.19	1/4	3,855.84
1/2	380.95	1/2	759.99	1/2	1,143.07	1/2	1,531.77	1/2	1,920.47	1/2	2,309.18	1/2	2,697.88	1/2	3,086.59	1/2	3,475.28	1/2	3,863.93
3/4	389.05	3/4	767.76	3/4	1,151.16	3/4	1,539.87	3/4	1,928.57	3/4	2,317.28	3/4	2,705.98	3/4	3,094.68	3/4	3,483.38	3/4	3,872.03

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO 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 372"

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	3,880.13	0	4,268.78	0	4,657.43	0	5,045.14	0		0		0		0		0		0	
1/4	3,888.23	1/4	4,276.88	1/4	4,665.53	1/4	5,053.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,896.32	1/2	4,284.97	1/2	4,673.62	1/2	5,061.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,904.42	3/4	4,293.07	3/4	4,681.72	3/4	5,069.29	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,912.52	1	4,301.17	1	4,689.82	1	5,077.34	1		1		1		1		1		1	
1/4	3,920.61	1/4	4,309.26	1/4	4,697.92	1/4	5,085.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,928.71	1/2	4,317.36	1/2	4,706.01	1/2	5,093.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,936.81	3/4	4,325.46	3/4	4,714.11	3/4	5,101.49	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,944.90	2	4,333.56	2	4,722.21	2	5,109.54	2		2		2		2		2		2	
1/4	3,953.00	1/4	4,341.65	1/4	4,730.30	1/4	5,117.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,961.10	1/2	4,349.75	1/2	4,738.40	1/2	5,125.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,969.19	3/4	4,357.85	3/4	4,746.50	3/4	5,133.69	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,977.29	3	4,365.94	3	4,754.59	3	5,141.74	3		3		3		3		3		3	
1/4	3,985.39	1/4	4,374.04	1/4	4,762.69	1/4	5,149.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,993.49	1/2	4,382.14	1/2	4,770.79	1/2	5,157.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,001.58	3/4	4,390.23	3/4	4,778.88	3/4	5,165.89	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,009.68	4	4,398.33	4	4,786.98	4	5,173.94	4		4		4		4		4		4	
1/4	4,017.78	1/4	4,406.43	1/4	4,795.08	1/4	5,181.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,025.87	1/2	4,414.52	1/2	4,803.18	1/2	5,190.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,033.97	3/4	4,422.62	3/4	4,811.27	3/4	5,198.09	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,042.07	5	4,430.72	5	4,819.37	5	5,206.14	5		5		5		5		5		5	
1/4	4,050.16	1/4	4,438.81	1/4	4,827.47	1/4	5,214.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,058.26	1/2	4,446.91	1/2	4,835.56	1/2	5,222.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,066.36	3/4	4,455.01	3/4	4,843.66	3/4	5,230.29	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,074.45	6	4,463.11	6	4,851.76	6	5,238.34	6		6		6		6		6		6	
1/4	4,082.55	1/4	4,471.20	1/4	4,859.85	1/4	5,246.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,090.65	1/2	4,479.30	1/2	4,867.95	1/2	5,254.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,098.75	3/4	4,487.40	3/4	4,876.05	3/4	5,262.48	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,106.84	7	4,495.49	7	4,884.14	7	5,270.53	7		7		7		7		7		7	
1/4	4,114.94	1/4	4,503.59	1/4	4,892.19	1/4	5,278.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,123.04	1/2	4,511.69	1/2	4,900.24	1/2	5,286.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,131.13	3/4	4,519.78	3/4	4,908.29	3/4	5,294.43	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,139.23	8	4,527.88	8	4,916.34	8	5,302.39	8		8		8		8		8		8	
1/4	4,147.33	1/4	4,535.98	1/4	4,924.39	1/4	5,309.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,155.42	1/2	4,544.07	1/2	4,932.44	1/2	5,317.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,163.52	3/4	4,552.17	3/4	4,940.49	3/4	5,325.04	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,171.62	9	4,560.27	9	4,948.54	9	5,332.59	9		9		9		9		9		9	
1/4	4,179.71	1/4	4,568.37	1/4	4,956.59	1/4	5,338.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,187.81	1/2	4,576.46	1/2	4,964.64	1/2	5,344.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,195.91	3/4	4,584.56	3/4	4,972.69	3/4	5,350.96	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,204.00	10	4,592.66	10	4,980.74	10		10		10		10		10		10		10	
1/4	4,212.10	1/4	4,600.75	1/4	4,988.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,220.20	1/2	4,608.85	1/2	4,996.84	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,228.30	3/4	4,616.95	3/4	5,004.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,236.39	11	4,625.04	11	5,012.94	11		11		11		11		11		11		11	
1/4	4,244.49	1/4	4,633.14	1/4	5,020.99	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,252.59	1/2	4,641.24	1/2	5,029.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,260.68	3/4	4,649.33	3/4	5,037.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2011 CL - SW
CALCULATED: 08/18/2011 CL
REPRINTED: 12/21/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "EMS 372"

2 STBD 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	18.88	0	397.02	0	785.25	0	1,173.78	0	1,562.35	0	1,950.93	0	2,339.50	0	2,728.08	0	3,116.65	0	3,505.22
1/4	24.66	1/4	405.11	1/4	793.33	1/4	1,181.88	1/4	1,570.45	1/4	1,959.02	1/4	2,347.60	1/4	2,736.17	1/4	3,124.75	1/4	3,513.31
1/2	30.44	1/2	413.20	1/2	801.42	1/2	1,189.97	1/2	1,578.55	1/2	1,967.12	1/2	2,355.69	1/2	2,744.27	1/2	3,132.84	1/2	3,521.41
3/4	36.22	3/4	421.30	3/4	809.50	3/4	1,198.07	3/4	1,586.64	3/4	1,975.21	3/4	2,363.79	3/4	2,752.36	3/4	3,140.94	3/4	3,529.50
1	42.01	1	429.39	1	817.59	1	1,206.16	1	1,594.74	1	1,983.31	1	2,371.88	1	2,760.46	1	3,149.03	1	3,537.59
1/4	49.81	1/4	437.49	1/4	825.68	1/4	1,214.26	1/4	1,602.83	1/4	1,991.41	1/4	2,379.98	1/4	2,768.55	1/4	3,157.13	1/4	3,545.69
1/2	57.62	1/2	445.58	1/2	833.78	1/2	1,222.35	1/2	1,610.93	1/2	1,999.50	1/2	2,388.08	1/2	2,776.65	1/2	3,165.22	1/2	3,553.78
3/4	65.42	3/4	453.68	3/4	841.87	3/4	1,230.45	3/4	1,619.02	3/4	2,007.60	3/4	2,396.17	3/4	2,784.74	3/4	3,173.32	3/4	3,561.88
2	73.23	2	461.77	2	849.97	2	1,238.54	2	1,627.12	2	2,015.69	2	2,404.27	2	2,792.84	2	3,181.41	2	3,569.97
1/4	81.32	1/4	469.87	1/4	858.06	1/4	1,246.64	1/4	1,635.21	1/4	2,023.79	1/4	2,412.36	1/4	2,800.94	1/4	3,189.51	1/4	3,578.07
1/2	89.42	1/2	477.96	1/2	866.16	1/2	1,254.73	1/2	1,643.31	1/2	2,031.88	1/2	2,420.46	1/2	2,809.03	1/2	3,197.61	1/2	3,586.16
3/4	97.51	3/4	486.06	3/4	874.25	3/4	1,262.83	3/4	1,651.40	3/4	2,039.98	3/4	2,428.55	3/4	2,817.13	3/4	3,205.70	3/4	3,594.25
3	105.61	3	494.15	3	882.35	3	1,270.92	3	1,659.50	3	2,048.07	3	2,436.65	3	2,825.22	3	3,213.80	3	3,602.35
1/4	113.70	1/4	502.25	1/4	890.44	1/4	1,279.02	1/4	1,667.59	1/4	2,056.17	1/4	2,444.74	1/4	2,833.32	1/4	3,221.89	1/4	3,610.44
1/2	121.80	1/2	510.34	1/2	898.54	1/2	1,287.11	1/2	1,675.69	1/2	2,064.26	1/2	2,452.84	1/2	2,841.41	1/2	3,229.99	1/2	3,618.54
3/4	129.89	3/4	518.44	3/4	906.64	3/4	1,295.21	3/4	1,683.78	3/4	2,072.36	3/4	2,460.93	3/4	2,849.51	3/4	3,238.08	3/4	3,626.63
4	137.98	4	526.53	4	914.73	4	1,303.31	4	1,691.88	4	2,080.45	4	2,469.03	4	2,857.60	4	3,246.18	4	3,634.72
1/4	146.08	1/4	534.62	1/4	922.83	1/4	1,311.40	1/4	1,699.97	1/4	2,088.55	1/4	2,477.12	1/4	2,865.70	1/4	3,254.27	1/4	3,642.82
1/2	154.17	1/2	542.72	1/2	930.92	1/2	1,319.50	1/2	1,708.07	1/2	2,096.64	1/2	2,485.22	1/2	2,873.79	1/2	3,262.37	1/2	3,650.91
3/4	162.27	3/4	550.81	3/4	939.02	3/4	1,327.59	3/4	1,716.17	3/4	2,104.74	3/4	2,493.31	3/4	2,881.89	3/4	3,270.46	3/4	3,659.01
5	170.36	5	558.91	5	947.11	5	1,335.69	5	1,724.26	5	2,112.83	5	2,501.41	5	2,889.98	5	3,278.56	5	3,667.10
1/4	178.46	1/4	566.99	1/4	955.21	1/4	1,343.78	1/4	1,732.36	1/4	2,120.93	1/4	2,509.50	1/4	2,898.08	1/4	3,286.65	1/4	3,675.20
1/2	186.55	1/2	575.08	1/2	963.30	1/2	1,351.88	1/2	1,740.45	1/2	2,129.03	1/2	2,517.60	1/2	2,906.17	1/2	3,294.75	1/2	3,683.29
3/4	194.65	3/4	583.16	3/4	971.40	3/4	1,359.97	3/4	1,748.55	3/4	2,137.12	3/4	2,525.70	3/4	2,914.27	3/4	3,302.84	3/4	3,691.38
6	202.74	6	591.25	6	979.49	6	1,368.07	6	1,756.64	6	2,145.22	6	2,533.79	6	2,922.36	6	3,310.94	6	3,699.48
1/4	210.84	1/4	599.33	1/4	987.59	1/4	1,376.16	1/4	1,764.74	1/4	2,153.31	1/4	2,541.89	1/4	2,930.46	1/4	3,319.03	1/4	3,707.57
1/2	218.93	1/2	607.42	1/2	995.68	1/2	1,384.26	1/2	1,772.83	1/2	2,161.41	1/2	2,549.98	1/2	2,938.56	1/2	3,327.13	1/2	3,715.67
3/4	227.03	3/4	615.50	3/4	1,003.78	3/4	1,392.35	3/4	1,780.93	3/4	2,169.50	3/4	2,558.08	3/4	2,946.65	3/4	3,335.23	3/4	3,723.76
7	235.12	7	623.59	7	1,011.87	7	1,400.45	7	1,789.02	7	2,177.60	7	2,566.17	7	2,954.75	7	3,343.32	7	3,731.86
1/4	243.22	1/4	631.67	1/4	1,019.97	1/4	1,408.54	1/4	1,797.12	1/4	2,185.69	1/4	2,574.27	1/4	2,962.84	1/4	3,351.42	1/4	3,739.95
1/2	251.31	1/2	639.76	1/2	1,028.06	1/2	1,416.64	1/2	1,805.21	1/2	2,193.79	1/2	2,582.36	1/2	2,970.94	1/2	3,359.51	1/2	3,748.04
3/4	259.41	3/4	647.84	3/4	1,036.16	3/4	1,424.73	3/4	1,813.31	3/4	2,201.88	3/4	2,590.46	3/4	2,979.03	3/4	3,367.61	3/4	3,756.14
8	267.50	8	655.92	8	1,044.26	8	1,432.83	8	1,821.40	8	2,209.98	8	2,598.55	8	2,987.13	8	3,375.70	8	3,764.23
1/4	275.59	1/4	664.00	1/4	1,052.35	1/4	1,440.93	1/4	1,829.50	1/4	2,218.07	1/4	2,606.65	1/4	2,995.22	1/4	3,383.80	1/4	3,772.33
1/2	283.69	1/2	672.09	1/2	1,060.45	1/2	1,449.02	1/2	1,837.59	1/2	2,226.17	1/2	2,614.74	1/2	3,003.32	1/2	3,391.89	1/2	3,780.42
3/4	291.78	3/4	680.17	3/4	1,068.54	3/4	1,457.12	3/4	1,845.69	3/4	2,234.26	3/4	2,622.84	3/4	3,011.41	3/4	3,399.99	3/4	3,788.51
9	299.88	9	688.25	9	1,076.64	9	1,465.21	9	1,853.79	9	2,242.36	9	2,630.93	9	3,019.51	9	3,408.08	9	3,796.61
1/4	307.97	1/4	696.33	1/4	1,084.73	1/4	1,473.31	1/4	1,861.88	1/4	2,250.46	1/4	2,639.03	1/4	3,027.60	1/4	3,416.18	1/4	3,804.70
1/2	316.07	1/2	704.41	1/2	1,092.83	1/2	1,481.40	1/2	1,869.98	1/2	2,258.55	1/2	2,647.12	1/2	3,035.70	1/2	3,424.27	1/2	3,812.80
3/4	324.16	3/4	712.49	3/4	1,100.92	3/4	1,489.50	3/4	1,878.07	3/4	2,266.65	3/4	2,655.22	3/4	3,043.79	3/4	3,432.37	3/4	3,820.89
10	332.26	10	720.57	10	1,109.02	10	1,497.59	10	1,886.17	10	2,274.74	10	2,663.32	10	3,051.89	10	3,440.46	10	3,828.99
1/4	340.35	1/4	728.65	1/4	1,117.11	1/4	1,505.69	1/4	1,894.26	1/4	2,282.84	1/4	2,671.41	1/4	3,059.99	1/4	3,448.56	1/4	3,837.08
1/2	348.45	1/2	736.74	1/2	1,125.21	1/2	1,513.78	1/2	1,902.36	1/2	2,290.93	1/2	2,679.51	1/2	3,068.08	1/2	3,456.65	1/2	3,845.17
3/4	356.54	3/4	744.82	3/4	1,133.30	3/4	1,521.88	3/4	1,910.45	3/4	2,299.03	3/4	2,687.60	3/4	3,076.18	3/4	3,464.75	3/4	3,853.27
11	364.64	11	752.91	11	1,141.40	11	1,529.97	11	1,918.55	11	2,307.12	11	2,695.70	11	3,084.27	11	3,472.84	11	3,861.36
1/4	372.73	1/4	760.99	1/4	1,149.49	1/4	1,538.07	1/4	1,926.64	1/4	2,315.22	1/4	2,703.79	1/4	3,092.37	1/4	3,480.94	1/4	3,869.46
1/2	380.83	1/2	769.08	1/2	1,157.59	1/2	1,546.16	1/2	1,934.74	1/2	2,323.31	1/2	2,711.89	1/2	3,100.46	1/2	3,489.03	1/2	3,877.55
3/4	388.92	3/4	777.16	3/4	1,165.68	3/4	1,554.26	3/4	1,942.83	3/4	2,331.41	3/4	2,719.98	3/4	3,108.56	3/4	3,497.12	3/4	3,885.65

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 372"

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	3,893.74	0	4,282.26	0	4,670.78	0	5,058.36	0		0		0		0		0		0	
1/4	3,901.83	1/4	4,290.36	1/4	4,678.88	1/4	5,066.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,909.93	1/2	4,298.45	1/2	4,686.97	1/2	5,074.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,918.02	3/4	4,306.54	3/4	4,695.07	3/4	5,082.50	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,926.12	1	4,314.64	1	4,703.16	1	5,090.54	1		1		1		1		1		1	
1/4	3,934.21	1/4	4,322.73	1/4	4,711.25	1/4	5,098.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,942.30	1/2	4,330.83	1/2	4,719.35	1/2	5,106.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,950.40	3/4	4,338.92	3/4	4,727.44	3/4	5,114.68	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,958.49	2	4,347.01	2	4,735.54	2	5,122.73	2		2		2		2		2		2	
1/4	3,966.59	1/4	4,355.11	1/4	4,743.63	1/4	5,130.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,974.68	1/2	4,363.20	1/2	4,751.72	1/2	5,138.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,982.78	3/4	4,371.30	3/4	4,759.82	3/4	5,146.87	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,990.87	3	4,379.39	3	4,767.91	3	5,154.92	3		3		3		3		3		3	
1/4	3,998.96	1/4	4,387.49	1/4	4,776.01	1/4	5,162.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,007.06	1/2	4,395.58	1/2	4,784.10	1/2	5,171.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,015.15	3/4	4,403.67	3/4	4,792.20	3/4	5,179.06	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,023.25	4	4,411.77	4	4,800.29	4	5,187.10	4		4		4		4		4		4	
1/4	4,031.34	1/4	4,419.86	1/4	4,808.38	1/4	5,195.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,039.43	1/2	4,427.96	1/2	4,816.48	1/2	5,203.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,047.53	3/4	4,436.05	3/4	4,824.57	3/4	5,211.25	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,055.62	5	4,444.14	5	4,832.67	5	5,219.29	5		5		5		5		5		5	
1/4	4,063.72	1/4	4,452.24	1/4	4,840.76	1/4	5,227.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,071.81	1/2	4,460.33	1/2	4,848.85	1/2	5,235.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,079.91	3/4	4,468.43	3/4	4,856.95	3/4	5,243.43	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,088.00	6	4,476.52	6	4,865.04	6	5,251.48	6		6		6		6		6		6	
1/4	4,096.09	1/4	4,484.62	1/4	4,873.14	1/4	5,259.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,104.19	1/2	4,492.71	1/2	4,881.23	1/2	5,267.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,112.28	3/4	4,500.80	3/4	4,889.33	3/4	5,275.62	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,120.38	7	4,508.90	7	4,897.42	7	5,283.67	7		7		7		7		7		7	
1/4	4,128.47	1/4	4,516.99	1/4	4,905.47	1/4	5,291.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,136.57	1/2	4,525.09	1/2	4,913.51	1/2	5,299.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,144.66	3/4	4,533.18	3/4	4,921.56	3/4	5,307.55	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,152.75	8	4,541.28	8	4,929.61	8	5,315.51	8		8		8		8		8		8	
1/4	4,160.85	1/4	4,549.37	1/4	4,937.65	1/4	5,323.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,168.94	1/2	4,557.46	1/2	4,945.70	1/2	5,330.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,177.04	3/4	4,565.56	3/4	4,953.75	3/4	5,338.15	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,185.13	9	4,573.65	9	4,961.79	9	5,345.70	9		9		9		9		9		9	
1/4	4,193.22	1/4	4,581.75	1/4	4,969.84	1/4	5,351.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,201.32	1/2	4,589.84	1/2	4,977.89	1/2	5,357.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,209.41	3/4	4,597.93	3/4	4,985.93	3/4	5,364.07	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,217.51	10	4,606.03	10	4,993.98	10		10		10		10		10		10		10	
1/4	4,225.60	1/4	4,614.12	1/4	5,002.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,233.70	1/2	4,622.22	1/2	5,010.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,241.79	3/4	4,630.31	3/4	5,018.12	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,249.88	11	4,638.41	11	5,026.17	11		11		11		11		11		11		11	
1/4	4,257.98	1/4	4,646.50	1/4	5,034.22	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,266.07	1/2	4,654.59	1/2	5,042.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,274.17	3/4	4,662.69	3/4	5,050.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2011 CL - SW
CALCULATED: 08/18/2011 CL
REPRINTED: 12/21/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "EMS 372"

3 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	17.59	0	369.39	0	721.56	0	1,078.08	0	1,439.36	0	1,800.45	0	2,161.01	0	2,522.45	0	2,883.89	0	3,244.98
1/4	22.97	1/4	376.92	1/4	728.80	1/4	1,085.60	1/4	1,446.88	1/4	1,807.95	1/4	2,168.54	1/4	2,529.98	1/4	2,891.41	1/4	3,252.51
1/2	28.35	1/2	384.45	1/2	736.04	1/2	1,093.13	1/2	1,454.41	1/2	1,815.46	1/2	2,176.07	1/2	2,537.51	1/2	2,898.94	1/2	3,260.04
3/4	33.73	3/4	391.98	3/4	743.28	3/4	1,100.66	3/4	1,461.94	3/4	1,822.97	3/4	2,183.60	3/4	2,545.04	3/4	2,906.46	3/4	3,267.57
1	39.11	1	399.51	1	750.52	1	1,108.18	1	1,469.47	1	1,830.47	1	2,191.13	1	2,552.57	1	2,913.98	1	3,275.10
1/4	46.37	1/4	407.05	1/4	757.77	1/4	1,115.71	1/4	1,476.99	1/4	1,837.98	1/4	2,198.66	1/4	2,560.10	1/4	2,921.51	1/4	3,282.63
1/2	53.63	1/2	414.58	1/2	765.02	1/2	1,123.24	1/2	1,484.52	1/2	1,845.49	1/2	2,206.19	1/2	2,567.63	1/2	2,929.03	1/2	3,290.15
3/4	60.89	3/4	422.11	3/4	772.27	3/4	1,130.76	3/4	1,492.05	3/4	1,852.99	3/4	2,213.72	3/4	2,575.16	3/4	2,936.55	3/4	3,297.68
2	68.15	2	429.64	2	779.52	2	1,138.29	2	1,499.57	2	1,860.50	2	2,221.25	2	2,582.69	2	2,944.07	2	3,305.21
1/4	75.69	1/4	437.17	1/4	786.76	1/4	1,145.82	1/4	1,507.10	1/4	1,868.01	1/4	2,228.78	1/4	2,590.22	1/4	2,951.60	1/4	3,312.74
1/2	83.22	1/2	444.70	1/2	794.00	1/2	1,153.34	1/2	1,514.63	1/2	1,875.52	1/2	2,236.31	1/2	2,597.75	1/2	2,959.12	1/2	3,320.27
3/4	90.75	3/4	452.23	3/4	801.24	3/4	1,160.87	3/4	1,522.15	3/4	1,883.02	3/4	2,243.84	3/4	2,605.28	3/4	2,966.64	3/4	3,327.80
3	98.28	3	459.76	3	808.48	3	1,168.40	3	1,529.68	3	1,890.53	3	2,251.37	3	2,612.81	3	2,974.17	3	3,335.33
1/4	105.81	1/4	467.29	1/4	815.72	1/4	1,175.92	1/4	1,537.21	1/4	1,898.04	1/4	2,258.90	1/4	2,620.34	1/4	2,981.69	1/4	3,342.86
1/2	113.34	1/2	474.82	1/2	822.96	1/2	1,183.45	1/2	1,544.73	1/2	1,905.54	1/2	2,266.43	1/2	2,627.87	1/2	2,989.21	1/2	3,350.39
3/4	120.87	3/4	482.35	3/4	830.20	3/4	1,190.98	3/4	1,552.26	3/4	1,913.05	3/4	2,273.96	3/4	2,635.40	3/4	2,996.73	3/4	3,357.92
4	128.40	4	489.89	4	837.44	4	1,198.50	4	1,559.79	4	1,920.56	4	2,281.49	4	2,642.93	4	3,004.26	4	3,365.45
1/4	135.93	1/4	497.13	1/4	844.96	1/4	1,206.03	1/4	1,567.31	1/4	1,928.06	1/4	2,289.02	1/4	2,650.46	1/4	3,011.78	1/4	3,372.98
1/2	143.46	1/2	504.38	1/2	852.47	1/2	1,213.56	1/2	1,574.84	1/2	1,935.57	1/2	2,296.55	1/2	2,657.99	1/2	3,019.30	1/2	3,380.51
3/4	150.99	3/4	511.63	3/4	859.99	3/4	1,221.08	3/4	1,582.37	3/4	1,943.08	3/4	2,304.08	3/4	2,665.52	3/4	3,026.82	3/4	3,388.03
5	158.53	5	518.88	5	867.51	5	1,228.61	5	1,589.89	5	1,950.59	5	2,311.61	5	2,673.05	5	3,034.35	5	3,395.56
1/4	166.06	1/4	526.12	1/4	875.03	1/4	1,236.14	1/4	1,597.42	1/4	1,958.09	1/4	2,319.14	1/4	2,680.58	1/4	3,041.87	1/4	3,401.95
1/2	173.59	1/2	533.36	1/2	882.54	1/2	1,243.66	1/2	1,604.95	1/2	1,965.60	1/2	2,326.67	1/2	2,688.11	1/2	3,049.39	1/2	3,408.33
3/4	181.12	3/4	540.60	3/4	890.06	3/4	1,251.19	3/4	1,612.47	3/4	1,973.11	3/4	2,334.20	3/4	2,695.64	3/4	3,056.92	3/4	3,414.72
6	188.65	6	547.84	6	897.58	6	1,258.72	6	1,620.00	6	1,980.61	6	2,341.73	6	2,703.17	6	3,064.44	6	3,421.10
1/4	196.18	1/4	555.08	1/4	905.10	1/4	1,266.24	1/4	1,627.53	1/4	1,988.12	1/4	2,349.26	1/4	2,710.70	1/4	3,071.96	1/4	3,427.49
1/2	203.71	1/2	562.32	1/2	912.62	1/2	1,273.77	1/2	1,635.05	1/2	1,995.63	1/2	2,356.79	1/2	2,718.23	1/2	3,079.48	1/2	3,433.87
3/4	211.24	3/4	569.56	3/4	920.13	3/4	1,281.30	3/4	1,642.58	3/4	2,003.13	3/4	2,364.32	3/4	2,725.76	3/4	3,087.01	3/4	3,440.26
7	218.77	7	576.80	7	927.65	7	1,288.82	7	1,650.11	7	2,010.64	7	2,371.85	7	2,733.29	7	3,094.53	7	3,446.64
1/4	226.30	1/4	584.04	1/4	935.17	1/4	1,296.35	1/4	1,657.63	1/4	2,018.15	1/4	2,379.38	1/4	2,740.82	1/4	3,102.05	1/4	3,453.03
1/2	233.83	1/2	591.28	1/2	942.69	1/2	1,303.88	1/2	1,665.16	1/2	2,025.66	1/2	2,386.91	1/2	2,748.35	1/2	3,109.58	1/2	3,459.41
3/4	241.37	3/4	598.52	3/4	950.20	3/4	1,311.40	3/4	1,672.69	3/4	2,033.16	3/4	2,394.44	3/4	2,755.88	3/4	3,117.10	3/4	3,465.80
8	248.90	8	605.76	8	957.72	8	1,318.93	8	1,680.21	8	2,040.67	8	2,401.97	8	2,763.41	8	3,124.62	8	3,472.18
1/4	256.43	1/4	612.99	1/4	965.24	1/4	1,326.46	1/4	1,687.74	1/4	2,048.18	1/4	2,409.50	1/4	2,770.94	1/4	3,132.14	1/4	3,478.57
1/2	263.96	1/2	620.23	1/2	972.76	1/2	1,333.98	1/2	1,695.27	1/2	2,055.68	1/2	2,417.03	1/2	2,778.47	1/2	3,139.67	1/2	3,484.95
3/4	271.49	3/4	627.47	3/4	980.27	3/4	1,341.51	3/4	1,702.79	3/4	2,063.19	3/4	2,424.56	3/4	2,786.00	3/4	3,147.19	3/4	3,491.34
9	279.02	9	634.70	9	987.79	9	1,349.04	9	1,710.32	9	2,070.70	9	2,432.09	9	2,793.53	9	3,154.71	9	3,497.72
1/4	286.55	1/4	641.94	1/4	995.31	1/4	1,356.56	1/4	1,717.84	1/4	2,078.22	1/4	2,439.62	1/4	2,801.06	1/4	3,162.24	1/4	3,504.11
1/2	294.08	1/2	649.17	1/2	1,002.83	1/2	1,364.09	1/2	1,725.35	1/2	2,085.73	1/2	2,447.15	1/2	2,808.59	1/2	3,169.76	1/2	3,510.49
3/4	301.61	3/4	656.41	3/4	1,010.35	3/4	1,371.62	3/4	1,732.87	3/4	2,093.25	3/4	2,454.68	3/4	2,816.12	3/4	3,177.28	3/4	3,516.88
10	309.14	10	663.64	10	1,017.86	10	1,379.14	10	1,740.39	10	2,100.77	10	2,462.21	10	2,823.65	10	3,184.80	10	3,523.26
1/4	316.67	1/4	670.88	1/4	1,025.39	1/4	1,386.67	1/4	1,747.90	1/4	2,108.30	1/4	2,469.74	1/4	2,831.18	1/4	3,192.33	1/4	3,529.65
1/2	324.21	1/2	678.12	1/2	1,032.92	1/2	1,394.20	1/2	1,755.40	1/2	2,115.83	1/2	2,477.27	1/2	2,838.71	1/2	3,199.85	1/2	3,536.03
3/4	331.74	3/4	685.36	3/4	1,040.44	3/4	1,401.72	3/4	1,762.91	3/4	2,123.36	3/4	2,484.80	3/4	2,846.24	3/4	3,207.37	3/4	3,542.42
11	339.27	11	692.60	11	1,047.97	11	1,409.25	11	1,770.42	11	2,130.89	11	2,492.33	11	2,853.77	11	3,214.89	11	3,548.80
1/4	346.80	1/4	699.84	1/4	1,055.50	1/4	1,416.78	1/4	1,777.92	1/4	2,138.42	1/4	2,499.86	1/4	2,861.30	1/4	3,222.41	1/4	3,555.19
1/2	354.33	1/2	707.08	1/2	1,063.02	1/2	1,424.30	1/2	1,785.43	1/2	2,145.95	1/2	2,507.39	1/2	2,868.83	1/2	3,229.94	1/2	3,561.57
3/4	361.86	3/4	714.32	3/4	1,070.55	3/4	1,431.83	3/4	1,792.94	3/4	2,153.48	3/4	2,514.92	3/4	2,876.36	3/4	3,237.46	3/4	3,567.96

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "EMS 372"

3 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	3,574.34	0	3,880.82	0	4,187.30	0	4,493.05	0		0		0		0		0		0	
1/4	3,580.73	1/4	3,887.21	1/4	4,193.69	1/4	4,499.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,587.11	1/2	3,893.59	1/2	4,200.07	1/2	4,505.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,593.50	3/4	3,899.98	3/4	4,206.46	3/4	4,512.10	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,599.88	1	3,906.36	1	4,212.84	1	4,518.45	1		1		1		1		1		1	
1/4	3,606.27	1/4	3,912.75	1/4	4,219.23	1/4	4,524.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,612.65	1/2	3,919.13	1/2	4,225.61	1/2	4,531.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,619.04	3/4	3,925.52	3/4	4,232.00	3/4	4,537.49	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,625.42	2	3,931.90	2	4,238.38	2	4,543.84	2		2		2		2		2		2	
1/4	3,631.81	1/4	3,938.29	1/4	4,244.77	1/4	4,550.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,638.19	1/2	3,944.67	1/2	4,251.15	1/2	4,556.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,644.58	3/4	3,951.06	3/4	4,257.54	3/4	4,562.89	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,650.96	3	3,957.44	3	4,263.92	3	4,569.24	3		3		3		3		3		3	
1/4	3,657.35	1/4	3,963.83	1/4	4,270.31	1/4	4,575.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,663.73	1/2	3,970.21	1/2	4,276.69	1/2	4,581.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,670.12	3/4	3,976.60	3/4	4,283.08	3/4	4,588.28	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,676.50	4	3,982.98	4	4,289.46	4	4,594.63	4		4		4		4		4		4	
1/4	3,682.89	1/4	3,989.37	1/4	4,295.85	1/4	4,600.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,689.27	1/2	3,995.75	1/2	4,302.23	1/2	4,607.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.66	3/4	4,002.14	3/4	4,308.62	3/4	4,613.68	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,702.04	5	4,008.52	5	4,315.00	5	4,620.02	5		5		5		5		5		5	
1/4	3,708.43	1/4	4,014.91	1/4	4,321.39	1/4	4,626.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,714.81	1/2	4,021.29	1/2	4,327.77	1/2	4,632.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,721.20	3/4	4,027.68	3/4	4,334.16	3/4	4,639.07	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,727.58	6	4,034.06	6	4,340.54	6	4,645.42	6		6		6		6		6		6	
1/4	3,733.97	1/4	4,040.45	1/4	4,346.93	1/4	4,651.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,740.35	1/2	4,046.83	1/2	4,353.31	1/2	4,658.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,746.74	3/4	4,053.22	3/4	4,359.70	3/4	4,664.46	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,753.12	7	4,059.60	7	4,366.08	7	4,670.81	7		7		7		7		7		7	
1/4	3,759.51	1/4	4,065.99	1/4	4,372.43	1/4	4,677.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,765.89	1/2	4,072.37	1/2	4,378.78	1/2	4,683.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,772.28	3/4	4,078.76	3/4	4,385.13	3/4	4,690.03	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,778.66	8	4,085.14	8	4,391.48	8	4,700.44	8		8		8		8		8		8	
1/4	3,785.05	1/4	4,091.53	1/4	4,397.83	1/4	4,707.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,791.43	1/2	4,097.91	1/2	4,404.17	1/2	4,714.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,797.82	3/4	4,104.30	3/4	4,410.52	3/4	4,721.50	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,804.20	9	4,110.68	9	4,416.87	9	4,728.53	9		9		9		9		9		9	
1/4	3,810.59	1/4	4,117.07	1/4	4,423.22	1/4	4,734.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,816.97	1/2	4,123.45	1/2	4,429.57	1/2	4,739.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,823.36	3/4	4,129.84	3/4	4,435.92	3/4	4,745.61	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,829.74	10	4,136.22	10	4,442.27	10		10		10		10		10		10		10	
1/4	3,836.13	1/4	4,142.61	1/4	4,448.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,842.51	1/2	4,148.99	1/2	4,454.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,848.90	3/4	4,155.38	3/4	4,461.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,855.28	11	4,161.76	11	4,467.66	11		11		11		11		11		11		11	
1/4	3,861.67	1/4	4,168.15	1/4	4,474.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,868.05	1/2	4,174.53	1/2	4,480.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,874.44	3/4	4,180.92	3/4	4,486.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2011 CL - SW
CALCULATED: 08/18/2011 CL
REPRINTED: 12/21/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "EMS 372"

3 STBD 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	17.59	0	368.83	0	722.19	0	1,079.35	0	1,440.10	0	1,800.12	0	2,158.10	0	2,518.71	0	2,879.52	0	3,240.00
1/4	22.97	1/4	376.35	1/4	729.47	1/4	1,086.87	1/4	1,447.62	1/4	1,807.56	1/4	2,165.62	1/4	2,526.22	1/4	2,887.03	1/4	3,247.52
1/2	28.35	1/2	383.87	1/2	736.76	1/2	1,094.38	1/2	1,455.13	1/2	1,815.00	1/2	2,173.14	1/2	2,533.73	1/2	2,894.54	1/2	3,255.03
3/4	33.72	3/4	391.39	3/4	744.04	3/4	1,101.90	3/4	1,462.65	3/4	1,822.44	3/4	2,180.66	3/4	2,541.24	3/4	2,902.05	3/4	3,262.55
1	39.10	1	398.91	1	751.32	1	1,109.41	1	1,470.17	1	1,829.88	1	2,188.17	1	2,548.75	1	2,909.56	1	3,270.07
1/4	46.35	1/4	406.42	1/4	758.62	1/4	1,116.93	1/4	1,477.68	1/4	1,837.33	1/4	2,195.69	1/4	2,556.27	1/4	2,917.07	1/4	3,277.58
1/2	53.60	1/2	413.94	1/2	765.91	1/2	1,124.44	1/2	1,485.20	1/2	1,844.77	1/2	2,203.21	1/2	2,563.78	1/2	2,924.58	1/2	3,285.10
3/4	60.85	3/4	421.46	3/4	773.20	3/4	1,131.96	3/4	1,492.71	3/4	1,852.21	3/4	2,210.73	3/4	2,571.30	3/4	2,932.09	3/4	3,292.62
2	68.10	2	428.98	2	780.50	2	1,139.48	2	1,500.23	2	1,859.65	2	2,218.25	2	2,578.82	2	2,939.60	2	3,300.13
1/4	75.62	1/4	436.50	1/4	787.79	1/4	1,146.99	1/4	1,507.74	1/4	1,867.09	1/4	2,225.77	1/4	2,586.34	1/4	2,947.11	1/4	3,307.65
1/2	83.14	1/2	444.01	1/2	795.09	1/2	1,154.51	1/2	1,515.26	1/2	1,874.53	1/2	2,233.29	1/2	2,593.85	1/2	2,954.62	1/2	3,315.17
3/4	90.65	3/4	451.53	3/4	802.38	3/4	1,162.02	3/4	1,522.78	3/4	1,881.98	3/4	2,240.81	3/4	2,601.37	3/4	2,962.13	3/4	3,322.68
3	98.17	3	459.05	3	809.67	3	1,169.54	3	1,530.29	3	1,889.42	3	2,248.33	3	2,608.89	3	2,969.64	3	3,330.20
1/4	105.69	1/4	466.57	1/4	816.97	1/4	1,177.05	1/4	1,537.81	1/4	1,896.86	1/4	2,255.85	1/4	2,616.41	1/4	2,977.15	1/4	3,337.72
1/2	113.21	1/2	474.09	1/2	824.26	1/2	1,184.57	1/2	1,545.32	1/2	1,904.30	1/2	2,263.36	1/2	2,623.92	1/2	2,984.66	1/2	3,345.23
3/4	120.73	3/4	481.61	3/4	831.55	3/4	1,192.09	3/4	1,552.84	3/4	1,911.74	3/4	2,270.88	3/4	2,631.44	3/4	2,992.17	3/4	3,352.75
4	128.25	4	489.12	4	838.85	4	1,199.60	4	1,560.35	4	1,919.19	4	2,278.40	4	2,638.96	4	2,999.68	4	3,360.27
1/4	135.76	1/4	496.42	1/4	846.36	1/4	1,207.12	1/4	1,567.87	1/4	1,926.63	1/4	2,285.92	1/4	2,646.48	1/4	3,007.19	1/4	3,367.78
1/2	143.28	1/2	503.71	1/2	853.88	1/2	1,214.63	1/2	1,575.39	1/2	1,934.07	1/2	2,293.44	1/2	2,653.99	1/2	3,014.70	1/2	3,375.30
3/4	150.80	3/4	511.00	3/4	861.39	3/4	1,222.15	3/4	1,582.90	3/4	1,941.51	3/4	2,300.96	3/4	2,661.51	3/4	3,022.21	3/4	3,382.82
5	158.32	5	518.30	5	868.91	5	1,229.66	5	1,590.42	5	1,948.95	5	2,308.48	5	2,669.03	5	3,029.72	5	3,390.33
1/4	165.84	1/4	525.58	1/4	876.43	1/4	1,237.18	1/4	1,597.93	1/4	1,956.40	1/4	2,315.99	1/4	2,676.55	1/4	3,037.23	1/4	3,396.72
1/2	173.36	1/2	532.86	1/2	883.94	1/2	1,244.70	1/2	1,605.45	1/2	1,963.84	1/2	2,323.50	1/2	2,684.06	1/2	3,044.74	1/2	3,403.10
3/4	180.87	3/4	540.15	3/4	891.46	3/4	1,252.21	3/4	1,612.96	3/4	1,971.28	3/4	2,331.00	3/4	2,691.58	3/4	3,052.25	3/4	3,409.48
6	188.39	6	547.43	6	898.97	6	1,259.73	6	1,620.48	6	1,978.72	6	2,338.51	6	2,699.10	6	3,059.76	6	3,415.87
1/4	195.91	1/4	554.71	1/4	906.49	1/4	1,267.24	1/4	1,628.00	1/4	1,986.16	1/4	2,346.02	1/4	2,706.62	1/4	3,067.27	1/4	3,422.25
1/2	203.43	1/2	562.00	1/2	914.00	1/2	1,274.76	1/2	1,635.51	1/2	1,993.61	1/2	2,353.53	1/2	2,714.13	1/2	3,074.78	1/2	3,428.64
3/4	210.95	3/4	569.28	3/4	921.52	3/4	1,282.27	3/4	1,643.03	3/4	2,001.05	3/4	2,361.04	3/4	2,721.65	3/4	3,082.29	3/4	3,435.02
7	218.47	7	576.56	7	929.04	7	1,289.79	7	1,650.54	7	2,008.49	7	2,368.55	7	2,729.17	7	3,089.80	7	3,441.41
1/4	225.98	1/4	583.85	1/4	936.55	1/4	1,297.31	1/4	1,658.06	1/4	2,015.93	1/4	2,376.05	1/4	2,736.69	1/4	3,097.31	1/4	3,447.79
1/2	233.50	1/2	591.13	1/2	944.07	1/2	1,304.82	1/2	1,665.57	1/2	2,023.37	1/2	2,383.56	1/2	2,744.20	1/2	3,104.82	1/2	3,454.17
3/4	241.02	3/4	598.41	3/4	951.58	3/4	1,312.34	3/4	1,673.09	3/4	2,030.81	3/4	2,391.07	3/4	2,751.72	3/4	3,112.33	3/4	3,460.56
8	248.54	8	605.70	8	959.10	8	1,319.85	8	1,680.61	8	2,038.26	8	2,398.58	8	2,759.24	8	3,119.84	8	3,466.94
1/4	256.06	1/4	612.97	1/4	966.61	1/4	1,327.37	1/4	1,688.12	1/4	2,045.70	1/4	2,406.09	1/4	2,766.76	1/4	3,127.35	1/4	3,473.33
1/2	263.58	1/2	620.25	1/2	974.13	1/2	1,334.88	1/2	1,695.64	1/2	2,053.14	1/2	2,413.60	1/2	2,774.27	1/2	3,134.86	1/2	3,479.71
3/4	271.09	3/4	627.53	3/4	981.65	3/4	1,342.40	3/4	1,703.15	3/4	2,060.58	3/4	2,421.10	3/4	2,781.79	3/4	3,142.37	3/4	3,486.09
9	278.61	9	634.81	9	989.16	9	1,349.92	9	1,710.67	9	2,068.02	9	2,428.61	9	2,789.31	9	3,149.89	9	3,492.48
1/4	286.13	1/4	642.09	1/4	996.68	1/4	1,357.43	1/4	1,718.15	1/4	2,075.50	1/4	2,436.12	1/4	2,796.83	1/4	3,157.40	1/4	3,498.86
1/2	293.65	1/2	649.37	1/2	1,004.19	1/2	1,364.95	1/2	1,725.62	1/2	2,082.99	1/2	2,443.63	1/2	2,804.34	1/2	3,164.91	1/2	3,505.25
3/4	301.17	3/4	656.65	3/4	1,011.71	3/4	1,372.46	3/4	1,733.10	3/4	2,090.47	3/4	2,451.14	3/4	2,811.86	3/4	3,172.42	3/4	3,511.63
10	308.69	10	663.93	10	1,019.22	10	1,379.98	10	1,740.58	10	2,097.95	10	2,458.65	10	2,819.38	10	3,179.93	10	3,518.01
1/4	316.20	1/4	671.21	1/4	1,026.74	1/4	1,387.49	1/4	1,748.02	1/4	2,105.47	1/4	2,466.16	1/4	2,826.90	1/4	3,187.44	1/4	3,524.40
1/2	323.72	1/2	678.49	1/2	1,034.26	1/2	1,395.01	1/2	1,755.46	1/2	2,112.98	1/2	2,473.66	1/2	2,834.41	1/2	3,194.94	1/2	3,530.78
3/4	331.24	3/4	685.78	3/4	1,041.77	3/4	1,402.52	3/4	1,762.91	3/4	2,120.50	3/4	2,481.17	3/4	2,841.93	3/4	3,202.45	3/4	3,537.17
11	338.76	11	693.06	11	1,049.29	11	1,410.04	11	1,770.35	11	2,128.02	11	2,488.68	11	2,849.45	11	3,209.96	11	3,543.55
1/4	346.28	1/4	700.34	1/4	1,056.80	1/4	1,417.56	1/4	1,777.79	1/4	2,135.54	1/4	2,496.19	1/4	2,856.97	1/4	3,217.47	1/4	3,549.93
1/2	353.80	1/2	707.62	1/2	1,064.32	1/2	1,425.07	1/2	1,785.23	1/2	2,143.06	1/2	2,503.70	1/2	2,864.48	1/2	3,224.98	1/2	3,556.32
3/4	361.31	3/4	714.91	3/4	1,071.83	3/4	1,432.59	3/4	1,792.67	3/4	2,150.58	3/4	2,511.21	3/4	2,872.00	3/4	3,232.49	3/4	3,562.70

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "EMS 372"

**3 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	3,569.09	0	3,875.52	0	4,181.96	0	4,487.67	0		0		0		0		0		0	
1/4	3,575.47	1/4	3,881.91	1/4	4,188.34	1/4	4,494.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,581.86	1/2	3,888.29	1/2	4,194.73	1/2	4,500.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,588.24	3/4	3,894.68	3/4	4,201.11	3/4	4,506.71	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,594.62	1	3,901.06	1	4,207.50	1	4,513.06	1		1		1		1		1		1	
1/4	3,601.01	1/4	3,907.44	1/4	4,213.88	1/4	4,519.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,607.39	1/2	3,913.83	1/2	4,220.27	1/2	4,525.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,613.78	3/4	3,920.21	3/4	4,226.65	3/4	4,532.10	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,620.16	2	3,926.60	2	4,233.03	2	4,538.45	2		2		2		2		2		2	
1/4	3,626.54	1/4	3,932.98	1/4	4,239.42	1/4	4,544.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,632.93	1/2	3,939.36	1/2	4,245.80	1/2	4,551.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,639.31	3/4	3,945.75	3/4	4,252.19	3/4	4,557.49	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,645.70	3	3,952.13	3	4,258.57	3	4,563.84	3		3		3		3		3		3	
1/4	3,652.08	1/4	3,958.52	1/4	4,264.95	1/4	4,570.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,658.46	1/2	3,964.90	1/2	4,271.34	1/2	4,576.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,664.85	3/4	3,971.29	3/4	4,277.72	3/4	4,582.88	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,671.23	4	3,977.67	4	4,284.11	4	4,589.23	4		4		4		4		4		4	
1/4	3,677.62	1/4	3,984.05	1/4	4,290.49	1/4	4,595.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,684.00	1/2	3,990.44	1/2	4,296.87	1/2	4,601.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,690.38	3/4	3,996.82	3/4	4,303.26	3/4	4,608.27	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,696.77	5	4,003.21	5	4,309.64	5	4,614.62	5		5		5		5		5		5	
1/4	3,703.15	1/4	4,009.59	1/4	4,316.03	1/4	4,620.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,709.54	1/2	4,015.97	1/2	4,322.41	1/2	4,627.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.92	3/4	4,022.36	3/4	4,328.79	3/4	4,633.66	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,722.31	6	4,028.74	6	4,335.18	6	4,640.01	6		6		6		6		6		6	
1/4	3,728.69	1/4	4,035.13	1/4	4,341.56	1/4	4,646.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,735.07	1/2	4,041.51	1/2	4,347.95	1/2	4,652.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,741.46	3/4	4,047.89	3/4	4,354.33	3/4	4,659.05	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,747.84	7	4,054.28	7	4,360.72	7	4,665.40	7		7		7		7		7		7	
1/4	3,754.23	1/4	4,060.66	1/4	4,367.06	1/4	4,672.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,760.61	1/2	4,067.05	1/2	4,373.41	1/2	4,680.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,766.99	3/4	4,073.43	3/4	4,379.76	3/4	4,687.62	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,773.38	8	4,079.82	8	4,386.11	8	4,695.02	8		8		8		8		8		8	
1/4	3,779.76	1/4	4,086.20	1/4	4,392.45	1/4	4,702.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,786.15	1/2	4,092.58	1/2	4,398.80	1/2	4,709.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,792.53	3/4	4,098.97	3/4	4,405.15	3/4	4,716.09	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,798.91	9	4,105.35	9	4,411.50	9	4,723.11	9		9		9		9		9		9	
1/4	3,805.30	1/4	4,111.74	1/4	4,117.84	1/4	4,728.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,811.68	1/2	4,118.12	1/2	4,424.19	1/2	4,734.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,818.07	3/4	4,124.50	3/4	4,430.54	3/4	4,740.19	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,824.45	10	4,130.89	10	4,436.89	10		10		10		10		10		10		10	
1/4	3,830.84	1/4	4,137.27	1/4	4,443.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,837.22	1/2	4,143.66	1/2	4,449.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,843.60	3/4	4,150.04	3/4	4,455.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,849.99	11	4,156.42	11	4,462.28	11		11		11		11		11		11		11	
1/4	3,856.37	1/4	4,162.81	1/4	4,468.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,862.76	1/2	4,169.19	1/2	4,474.97	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,869.14	3/4	4,175.58	3/4	4,481.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2011 CL - SW
CALCULATED: 08/18/2011 CL
REPRINTED: 12/21/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "EMS 372"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-03"

August 18, 2011

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 372"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,251.64		3,921.59		3,590.11		3,258.62		2,927.13		2,595.62		2,264.08		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,244.78	1/4	3,914.69	1/4	3,583.20	1/4	3,251.71	1/4	2,920.22	1/4	2,588.71	1/4	2,257.17		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,237.91	1/2	3,907.78	1/2	3,576.29	1/2	3,244.81	1/2	2,913.32	1/2	2,581.80	1/2	2,250.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,231.04	3/4	3,900.88	3/4	3,569.39	3/4	3,237.90	3/4	2,906.41	3/4	2,574.90	3/4	2,243.36		
1	1	1	1	1	1	1	4,224.18	1	3,893.97	1	3,562.48	1	3,230.99	1	2,899.51	1	2,567.99	1	2,236.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,217.31	1/4	3,887.06	1/4	3,555.58	1/4	3,224.09	1/4	2,892.60	1/4	2,561.08	1/4	2,229.55		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,210.45	1/2	3,880.16	1/2	3,548.67	1/2	3,217.18	1/2	2,885.69	1/2	2,554.18	1/2	2,222.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,203.58	3/4	3,873.25	3/4	3,541.76	3/4	3,210.28	3/4	2,878.79	3/4	2,547.27	3/4	2,215.73		
2	2	2	2	2	2	2	4,196.71	2	3,866.35	2	3,534.86	2	3,203.37	2	2,871.88	2	2,540.36	2	2,208.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,189.85	1/4	3,859.44	1/4	3,527.95	1/4	3,196.46	1/4	2,864.98	1/4	2,533.45	1/4	2,201.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,182.98	1/2	3,852.53	1/2	3,521.05	1/2	3,189.56	1/2	2,858.07	1/2	2,526.55	1/2	2,195.01		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,176.12	3/4	3,845.63	3/4	3,514.14	3/4	3,182.65	3/4	2,851.16	3/4	2,519.64	3/4	2,188.10		
3	3	3	3	3	3	3	4,169.25	3	3,838.72	3	3,507.23	3	3,175.75	3	2,844.26	3	2,512.73	3	2,181.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,162.38	1/4	3,831.82	1/4	3,500.33	1/4	3,168.84	1/4	2,837.35	1/4	2,505.83	1/4	2,174.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,155.52	1/2	3,824.91	1/2	3,493.42	1/2	3,161.93	1/2	2,830.45	1/2	2,498.92	1/2	2,167.38		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,148.65	3/4	3,818.00	3/4	3,486.52	3/4	3,155.03	3/4	2,823.54	3/4	2,492.01	3/4	2,160.48		
4	4	4	4	4	4	4	4,141.79	4	3,811.10	4	3,479.61	4	3,148.12	4	2,816.63	4	2,485.11	4	2,153.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,134.92	1/4	3,804.19	1/4	3,472.70	1/4	3,141.22	1/4	2,809.73	1/4	2,478.20	1/4	2,146.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,128.05	1/2	3,797.29	1/2	3,465.80	1/2	3,134.31	1/2	2,802.82	1/2	2,471.29	1/2	2,139.76		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,121.19	3/4	3,790.38	3/4	3,458.89	3/4	3,127.40	3/4	2,795.92	3/4	2,464.38	3/4	2,132.85		
5	5	5	5	5	5	5	4,114.32	5	3,783.47	5	3,451.99	5	3,120.50	5	2,789.01	5	2,457.48	5	2,125.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,107.46	1/4	3,776.57	1/4	3,445.08	1/4	3,113.59	1/4	2,782.10	1/4	2,450.57	1/4	2,119.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,100.59	1/2	3,769.66	1/2	3,438.17	1/2	3,106.69	1/2	2,775.20	1/2	2,443.66	1/2	2,112.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,093.72	3/4	3,762.76	3/4	3,431.27	3/4	3,099.78	3/4	2,768.29	3/4	2,436.76	3/4	2,105.22		
6	6	6	6	6	6	6	4,086.86	6	3,755.85	6	3,424.36	6	3,092.87	6	2,761.39	6	2,429.85	6	2,098.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,402.63	1/4	4,079.99	1/4	3,748.94	1/4	3,417.46	1/4	3,085.97	1/4	2,754.48	1/4	2,422.94	1/4	2,091.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,397.41	1/2	4,073.13	1/2	3,742.04	1/2	3,410.55	1/2	3,079.06	1/2	2,747.57	1/2	2,416.04	1/2	2,084.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,392.19	3/4	4,066.26	3/4	3,735.13	3/4	3,403.64	3/4	3,072.16	3/4	2,740.66	3/4	2,409.13	3/4	2,077.59
7	7	7	7	7	7	7	4,386.96	7	4,059.39	7	3,728.23	7	3,396.74	7	3,065.25	7	2,733.76	7	2,402.22	7	2,070.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,380.52	1/4	4,052.53	1/4	3,721.32	1/4	3,389.83	1/4	3,058.34	1/4	2,726.85	1/4	2,395.31	1/4	2,063.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,374.08	1/2	4,045.66	1/2	3,714.41	1/2	3,382.93	1/2	3,051.44	1/2	2,719.94	1/2	2,388.41	1/2	2,056.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,367.64	3/4	4,038.80	3/4	3,707.51	3/4	3,376.02	3/4	3,044.53	3/4	2,713.04	3/4	2,381.50	3/4	2,049.96
8	8	8	8	8	8	8	4,361.20	8	4,031.93	8	3,700.60	8	3,369.11	8	3,037.63	8	2,706.13	8	2,374.59	8	2,043.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,354.41	1/4	4,025.06	1/4	3,693.70	1/4	3,362.21	1/4	3,030.72	1/4	2,699.22	1/4	2,367.69	1/4	2,036.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,347.62	1/2	4,018.20	1/2	3,686.79	1/2	3,355.30	1/2	3,023.81	1/2	2,692.32	1/2	2,360.78	1/2	2,029.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,340.83	3/4	4,011.33	3/4	3,679.88	3/4	3,348.40	3/4	3,016.91	3/4	2,685.41	3/4	2,353.87	3/4	2,022.34
9	9	9	9	9	9	9	4,334.03	9	4,004.47	9	3,672.98	9	3,341.49	9	3,010.00	9	2,678.50	9	2,346.97	9	2,015.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,327.17	1/4	3,997.56	1/4	3,666.07	1/4	3,334.58	1/4	3,003.10	1/4	2,671.59	1/4	2,340.06	1/4	2,008.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,320.30	1/2	3,990.65	1/2	3,659.17	1/2	3,327.68	1/2	2,996.19	1/2	2,664.69	1/2	2,333.15	1/2	2,001.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,313.44	3/4	3,983.75	3/4	3,652.26	3/4	3,320.77	3/4	2,989.28	3/4	2,657.78	3/4	2,326.24	3/4	1,994.71
10	10	10	10	10	10	10	4,306.57	10	3,976.84	10	3,645.35	10	3,313.87	10	2,982.38	10	2,650.87	10	2,319.34	10	1,987.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,299.70	1/4	3,969.94	1/4	3,638.45	1/4	3,306.96	1/4	2,975.47	1/4	2,643.97	1/4	2,312.43	1/4	1,980.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,292.84	1/2	3,963.03	1/2	3,631.54	1/2	3,300.05	1/2	2,968.57	1/2	2,637.06	1/2	2,305.52	1/2	1,973.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,285.97	3/4	3,956.12	3/4	3,624.64	3/4	3,293.15	3/4	2,961.66	3/4	2,630.15	3/4	2,298.62	3/4	1,967.08
11	11	11	11	11	11	11	4,279.11	11	3,949.22	11	3,617.73	11	3,286.24	11	2,954.75	11	2,623.25	11	2,291.71	11	1,960.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,272.24	1/4	3,942.31	1/4	3,610.82	1/4	3,279.34	1/4	2,947.85	1/4	2,616.34	1/4	2,284.80	1/4	1,953.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,265.37	1/2	3,935.41	1/2	3,603.92	1/2	3,272.43	1/2	2,940.94	1/2	2,609.43	1/2	2,277.90	1/2	1,946.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,258.51	3/4	3,928.50	3/4	3,597.01	3/4	3,265.52	3/4	2,934.04	3/4	2,602.52	3/4	2,270.99	3/4	1,939.45

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "EMS 372"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,932.55	0	1,601.01	0	1,269.47	0	942.46	0	635.84	0	347.41	0	78.86	0		0		0	
1/4	1,925.64	1/4	1,594.10	1/4	1,262.57	1/4	935.87	1/4	629.64	1/4	341.62	1/4	73.49	1/4	1/4	1/4		1/4	
1/2	1,918.73	1/2	1,587.20	1/2	1,255.66	1/2	929.28	1/2	623.44	1/2	335.84	1/2	68.12	1/2	1/2	1/2		1/2	
3/4	1,911.82	3/4	1,580.29	3/4	1,248.75	3/4	922.69	3/4	617.25	3/4	330.05	3/4	62.75	3/4	3/4	3/4		3/4	
1	1,904.92	1	1,573.38	1	1,241.85	1	916.10	1	611.05	1	324.27	1	57.38	1	1	1		1	
1/4	1,898.01	1/4	1,566.47	1/4	1,234.94	1/4	909.56	1/4	604.88	1/4	318.52	1/4	52.05	1/4	1/4	1/4		1/4	
1/2	1,891.10	1/2	1,559.57	1/2	1,228.03	1/2	903.03	1/2	598.72	1/2	312.77	1/2	46.71	1/2	1/2	1/2		1/2	
3/4	1,884.20	3/4	1,552.66	3/4	1,221.12	3/4	896.49	3/4	592.55	3/4	307.02	3/4	41.37	3/4	3/4	3/4		3/4	
2	1,877.29	2	1,545.75	2	1,214.22	2	889.95	2	586.39	2	301.27	2	36.04	2	2	2		2	
1/4	1,870.38	1/4	1,538.85	1/4	1,207.31	1/4	883.45	1/4	580.26	1/4	295.55	1/4	30.98	1/4	1/4	1/4		1/4	
1/2	1,863.48	1/2	1,531.94	1/2	1,200.40	1/2	876.95	1/2	574.13	1/2	289.84	1/2	25.93	1/2	1/2	1/2		1/2	
3/4	1,856.57	3/4	1,525.03	3/4	1,193.50	3/4	870.45	3/4	568.00	3/4	284.12	3/4	20.87	3/4	3/4	3/4		3/4	
3	1,849.66	3	1,518.13	3	1,186.59	3	863.95	3	561.87	3	278.41	3	15.82	3	3	3		3	
1/4	1,842.75	1/4	1,511.22	1/4	1,179.68	1/4	857.48	1/4	555.77	1/4	272.73	1/4	12.53	1/4	1/4	1/4		1/4	
1/2	1,835.85	1/2	1,504.31	1/2	1,172.78	1/2	851.01	1/2	549.68	1/2	267.05	1/2	9.24	1/2	1/2	1/2		1/2	
3/4	1,828.94	3/4	1,497.40	3/4	1,165.87	3/4	844.54	3/4	543.58	3/4	261.36	3/4	5.94	3/4	3/4	3/4		3/4	
4	1,822.03	4	1,490.50	4	1,158.96	4	838.07	4	537.49	4	255.68	4	2.65	4	4	4		4	
1/4	1,815.13	1/4	1,483.59	1/4	1,152.07	1/4	831.65	1/4	531.43	1/4	250.04	1/4		1/4	1/4	1/4		1/4	
1/2	1,808.22	1/2	1,476.68	1/2	1,145.18	1/2	825.22	1/2	525.37	1/2	244.39	1/2		1/2	1/2	1/2		1/2	
3/4	1,801.31	3/4	1,469.78	3/4	1,138.29	3/4	818.79	3/4	519.31	3/4	238.74	3/4		3/4	3/4	3/4		3/4	
5	1,794.41	5	1,462.87	5	1,131.40	5	812.36	5	513.24	5	233.10	5		5	5	5		5	
1/4	1,787.50	1/4	1,455.96	1/4	1,124.55	1/4	805.97	1/4	507.22	1/4	227.49	1/4		1/4	1/4	1/4		1/4	
1/2	1,780.59	1/2	1,449.06	1/2	1,117.69	1/2	799.57	1/2	501.19	1/2	221.87	1/2		1/2	1/2	1/2		1/2	
3/4	1,773.68	3/4	1,442.15	3/4	1,110.84	3/4	793.18	3/4	495.17	3/4	216.26	3/4		3/4	3/4	3/4		3/4	
6	1,766.78	6	1,435.24	6	1,103.98	6	786.78	6	489.14	6	210.65	6		6	6	6		6	
1/4	1,759.87	1/4	1,428.33	1/4	1,097.16	1/4	780.42	1/4	483.15	1/4	205.07	1/4		1/4	1/4	1/4		1/4	
1/2	1,752.96	1/2	1,421.43	1/2	1,090.34	1/2	774.05	1/2	477.16	1/2	199.49	1/2		1/2	1/2	1/2		1/2	
3/4	1,746.06	3/4	1,414.52	3/4	1,083.52	3/4	767.69	3/4	471.16	3/4	193.92	3/4		3/4	3/4	3/4		3/4	
7	1,739.15	7	1,407.61	7	1,076.70	7	761.33	7	465.17	7	188.34	7		7	7	7		7	
1/4	1,732.24	1/4	1,400.71	1/4	1,069.91	1/4	755.00	1/4	459.21	1/4	182.80	1/4		1/4	1/4	1/4		1/4	
1/2	1,725.34	1/2	1,393.80	1/2	1,063.13	1/2	748.67	1/2	453.26	1/2	177.25	1/2		1/2	1/2	1/2		1/2	
3/4	1,718.43	3/4	1,386.89	3/4	1,056.34	3/4	742.34	3/4	447.30	3/4	171.71	3/4		3/4	3/4	3/4		3/4	
8	1,711.52	8	1,379.99	8	1,049.56	8	736.01	8	441.34	8	166.17	8		8	8	8		8	
1/4	1,704.61	1/4	1,373.08	1/4	1,042.80	1/4	729.71	1/4	435.42	1/4	160.66	1/4		1/4	1/4	1/4		1/4	
1/2	1,697.71	1/2	1,366.17	1/2	1,036.05	1/2	723.42	1/2	429.50	1/2	155.15	1/2		1/2	1/2	1/2		1/2	
3/4	1,690.80	3/4	1,359.26	3/4	1,029.30	3/4	717.12	3/4	423.58	3/4	149.64	3/4		3/4	3/4	3/4		3/4	
9	1,683.89	9	1,352.36	9	1,022.55	9	710.83	9	417.65	9	144.13	9		9	9	9		9	
1/4	1,676.99	1/4	1,345.45	1/4	1,015.83	1/4	704.55	1/4	411.76	1/4	138.66	1/4		1/4	1/4	1/4		1/4	
1/2	1,670.08	1/2	1,338.54	1/2	1,009.11	1/2	698.28	1/2	405.88	1/2	133.19	1/2		1/2	1/2	1/2		1/2	
3/4	1,663.17	3/4	1,331.64	3/4	1,002.40	3/4	692.01	3/4	399.99	3/4	127.71	3/4		3/4	3/4	3/4		3/4	
10	1,656.27	10	1,324.73	10	995.68	10	685.73	10	394.10	10	122.24	10		10	10	10		10	
1/4	1,649.36	1/4	1,317.82	1/4	989.00	1/4	679.49	1/4	388.25	1/4	116.80	1/4		1/4	1/4	1/4		1/4	
1/2	1,642.45	1/2	1,310.92	1/2	982.32	1/2	673.25	1/2	382.39	1/2	111.36	1/2		1/2	1/2	1/2		1/2	
3/4	1,635.54	3/4	1,304.01	3/4	975.63	3/4	667.02	3/4	376.54	3/4	105.92	3/4		3/4	3/4	3/4		3/4	
11	1,628.64	11	1,297.10	11	968.95	11	660.78	11	370.68	11	100.48	11		11	11	11		11	
1/4	1,621.73	1/4	1,290.19	1/4	962.33	1/4	654.54	1/4	364.87	1/4	95.08	1/4		1/4	1/4	1/4		1/4	
1/2	1,614.82	1/2	1,283.29	1/2	955.70	1/2	648.31	1/2	359.05	1/2	89.67	1/2		1/2	1/2	1/2		1/2	
3/4	1,607.92	3/4	1,276.38	3/4	949.08	3/4	642.08	3/4	353.23	3/4	84.27	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2011 CL - SW
CALCULATED: 08/18/2011 CL
PRINTED: 08/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "EMS 372"

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,269.05	1/4	3,938.91	1/4	3,607.24	1/4	3,275.58	1/4	2,943.92	1/4	2,612.24	1/4	2,280.53		
1/2		1/2		1/2		1/2	4,262.18	1/2	3,932.00	1/2	3,600.33	1/2	3,268.67	1/2	2,937.01	1/2	2,605.33	1/2	2,273.62		
3/4		3/4		3/4		3/4	4,255.31	3/4	3,925.09	3/4	3,593.43	3/4	3,261.76	3/4	2,930.10	3/4	2,598.42	3/4	2,266.71		
1	1	1	1	1	1	1	4,248.44	1	3,918.18	1	3,586.52	1	3,254.85	1	2,923.19	1	2,591.51	1	2,259.80		
1/4		1/4		1/4		1/4	4,241.57	1/4	3,911.27	1/4	3,579.61	1/4	3,247.95	1/4	2,916.28	1/4	2,584.60	1/4	2,252.89		
1/2		1/2		1/2		1/2	4,234.70	1/2	3,904.36	1/2	3,572.70	1/2	3,241.04	1/2	2,909.37	1/2	2,577.69	1/2	2,245.98		
3/4		3/4		3/4		3/4	4,227.83	3/4	3,897.45	3/4	3,565.79	3/4	3,234.13	3/4	2,902.47	3/4	2,570.78	3/4	2,239.07		
2	2	2	2	2	2	2	4,220.96	2	3,890.54	2	3,558.88	2	3,227.22	2	2,895.56	2	2,563.87	2	2,232.16		
1/4		1/4		1/4		1/4	4,214.10	1/4	3,883.63	1/4	3,551.97	1/4	3,220.31	1/4	2,888.65	1/4	2,556.96	1/4	2,225.25		
1/2		1/2		1/2		1/2	4,207.23	1/2	3,876.72	1/2	3,545.06	1/2	3,213.40	1/2	2,881.74	1/2	2,550.04	1/2	2,218.34		
3/4		3/4		3/4		3/4	4,200.36	3/4	3,869.81	3/4	3,538.15	3/4	3,206.49	3/4	2,874.83	3/4	2,543.13	3/4	2,211.43		
3	3	3	3	3	3	3	4,193.49	3	3,862.90	3	3,531.24	3	3,199.58	3	2,867.92	3	2,536.22	3	2,204.51		
1/4		1/4		1/4		1/4	4,186.62	1/4	3,855.99	1/4	3,524.33	1/4	3,192.67	1/4	2,861.01	1/4	2,529.31	1/4	2,197.60		
1/2		1/2		1/2		1/2	4,179.75	1/2	3,849.08	1/2	3,517.42	1/2	3,185.76	1/2	2,854.10	1/2	2,522.40	1/2	2,190.69		
3/4		3/4		3/4		3/4	4,172.88	3/4	3,842.17	3/4	3,510.51	3/4	3,178.85	3/4	2,847.19	3/4	2,515.49	3/4	2,183.78		
4	4	4	4	4	4	4	4,166.01	4	3,835.26	4	3,503.60	4	3,171.94	4	2,840.28	4	2,508.58	4	2,176.87		
1/4		1/4		1/4		1/4	4,159.14	1/4	3,828.35	1/4	3,496.69	1/4	3,165.03	1/4	2,833.37	1/4	2,501.67	1/4	2,169.96		
1/2		1/2		1/2		1/2	4,152.27	1/2	3,821.44	1/2	3,489.78	1/2	3,158.12	1/2	2,826.46	1/2	2,494.76	1/2	2,163.05		
3/4		3/4		3/4		3/4	4,145.40	3/4	3,814.53	3/4	3,482.87	3/4	3,151.21	3/4	2,819.55	3/4	2,487.85	3/4	2,156.14		
5	5	5	5	5	5	5	4,138.53	5	3,807.62	5	3,475.96	5	3,144.30	5	2,812.64	5	2,480.94	5	2,149.23		
1/4		1/4		1/4		1/4	4,131.66	1/4	3,800.71	1/4	3,469.05	1/4	3,137.39	1/4	2,805.73	1/4	2,474.03	1/4	2,142.32		
1/2		1/2		1/2		1/2	4,124.79	1/2	3,793.80	1/2	3,462.14	1/2	3,130.48	1/2	2,798.82	1/2	2,467.12	1/2	2,135.41		
3/4		3/4		3/4		3/4	4,117.92	3/4	3,786.89	3/4	3,455.23	3/4	3,123.57	3/4	2,791.91	3/4	2,460.21	3/4	2,128.50		
6	6	6	6	6	6	6	4,111.05	6	3,779.98	6	3,448.32	6	3,116.66	6	2,785.00	6	2,453.30	6	2,121.59		
1/4		1/4		1/4		1/4	4,104.18	1/4	3,773.07	1/4	3,441.41	1/4	3,109.75	1/4	2,778.09	1/4	2,446.39	1/4	2,114.68		
1/2		1/2		1/2		1/2	4,097.31	1/2	3,766.17	1/2	3,434.50	1/2	3,102.84	1/2	2,771.18	1/2	2,439.47	1/2	2,107.77		
3/4		3/4		3/4		3/4	4,090.44	3/4	3,759.26	3/4	3,427.59	3/4	3,095.93	3/4	2,764.27	3/4	2,432.56	3/4	2,100.86		
7	7	7	7	7	7	7	4,406.39	7	4,083.57	7	3,752.35	7	3,420.69	7	3,089.02	7	2,757.36	7	2,425.65	7	2,093.94
1/4		1/4		1/4		1/4	4,401.16	1/4	4,076.70	1/4	3,745.44	1/4	3,413.78	1/4	3,082.11	1/4	2,750.45	1/4	2,418.74	1/4	2,087.03
1/2		1/2		1/2		1/2	4,395.94	1/2	4,069.83	1/2	3,738.53	1/2	3,406.87	1/2	3,075.21	1/2	2,743.54	1/2	2,411.83	1/2	2,080.12
3/4		3/4		3/4		3/4	4,390.71	3/4	4,062.96	3/4	3,731.62	3/4	3,399.96	3/4	3,068.30	3/4	2,736.63	3/4	2,404.92	3/4	2,073.21
8	8	8	8	8	8	8	4,384.27	8	4,056.09	8	3,724.71	8	3,393.05	8	3,061.39	8	2,729.72	8	2,398.01	8	2,066.30
1/4		1/4		1/4		1/4	4,377.82	1/4	4,049.22	1/4	3,717.80	1/4	3,386.14	1/4	3,054.48	1/4	2,722.81	1/4	2,391.10	1/4	2,059.39
1/2		1/2		1/2		1/2	4,371.38	1/2	4,042.35	1/2	3,710.89	1/2	3,379.23	1/2	3,047.57	1/2	2,715.90	1/2	2,384.19	1/2	2,052.48
3/4		3/4		3/4		3/4	4,364.93	3/4	4,035.48	3/4	3,703.98	3/4	3,372.32	3/4	3,040.66	3/4	2,708.99	3/4	2,377.28	3/4	2,045.57
9	9	9	9	9	9	9	4,358.14	9	4,028.61	9	3,697.07	9	3,365.41	9	3,033.75	9	2,702.08	9	2,370.37	9	2,038.66
1/4		1/4		1/4		1/4	4,351.34	1/4	4,021.74	1/4	3,690.16	1/4	3,358.50	1/4	3,026.84	1/4	2,695.17	1/4	2,363.46	1/4	2,031.75
1/2		1/2		1/2		1/2	4,344.55	1/2	4,014.87	1/2	3,683.25	1/2	3,351.59	1/2	3,019.93	1/2	2,688.26	1/2	2,356.55	1/2	2,024.84
3/4		3/4		3/4		3/4	4,337.75	3/4	4,008.00	3/4	3,676.34	3/4	3,344.68	3/4	3,013.02	3/4	2,681.35	3/4	2,349.64	3/4	2,017.93
10	10	10	10	10	10	10	4,330.88	10	4,001.09	10	3,669.43	10	3,337.77	10	3,006.11	10	2,674.44	10	2,342.73	10	2,011.02
1/4		1/4		1/4		1/4	4,324.01	1/4	3,994.18	1/4	3,662.52	1/4	3,330.86	1/4	2,999.20	1/4	2,667.52	1/4	2,335.82	1/4	2,004.11
1/2		1/2		1/2		1/2	4,317.14	1/2	3,987.27	1/2	3,655.61	1/2	3,323.95	1/2	2,992.29	1/2	2,660.61	1/2	2,328.91	1/2	1,997.20
3/4		3/4		3/4		3/4	4,310.27	3/4	3,980.36	3/4	3,648.70	3/4	3,317.04	3/4	2,985.38	3/4	2,653.70	3/4	2,321.99	3/4	1,990.29
11	11	11	11	11	11	11	4,303.40	11	3,973.45	11	3,641.79	11	3,310.13	11	2,978.47	11	2,646.79	11	2,315.08	11	1,983.38
1/4		1/4		1/4		1/4	4,296.53	1/4	3,966.54	1/4	3,634.88	1/4	3,303.22	1/4	2,971.56	1/4	2,639.88	1/4	2,308.17	1/4	1,976.46
1/2		1/2		1/2		1/2	4,289.66	1/2	3,959.63	1/2	3,627.97	1/2	3,296.31	1/2	2,964.65	1/2	2,632.97	1/2	2,301.26	1/2	1,969.55
3/4		3/4		3/4		3/4	4,282.79	3/4	3,952.72	3/4	3,621.06	3/4	3,289.40	3/4	2,957.74	3/4	2,626.06	3/4	2,294.35	3/4	1,962.64

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "EMS 372"

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.	
0	1,955.73	0	1,624.02	0	1,292.32	0	964.25	0	654.96	0	365.11	0	95.15	0		0		0	
1/4	1,948.82	1/4	1,617.11	1/4	1,285.40	1/4	957.60	1/4	648.73	1/4	359.29	1/4	89.74	1/4		1/4		1/4	
1/2	1,941.91	1/2	1,610.20	1/2	1,278.49	1/2	950.95	1/2	642.49	1/2	353.47	1/2	84.33	1/2		1/2		1/2	
3/4	1,935.00	3/4	1,603.29	3/4	1,271.58	3/4	944.29	3/4	636.25	3/4	347.64	3/4	78.92	3/4		3/4		3/4	
1	1,928.09	1	1,596.38	1	1,264.67	1	937.68	1	630.05	1	341.86	1	73.55	1		1		1	
1/4	1,921.18	1/4	1,589.47	1/4	1,257.76	1/4	931.06	1/4	623.85	1/4	336.07	1/4	68.18	1/4		1/4		1/4	
1/2	1,914.27	1/2	1,582.56	1/2	1,250.85	1/2	924.44	1/2	617.64	1/2	330.28	1/2	62.80	1/2		1/2		1/2	
3/4	1,907.36	3/4	1,575.65	3/4	1,243.94	3/4	917.83	3/4	611.44	3/4	324.49	3/4	57.43	3/4		3/4		3/4	
2	1,900.45	2	1,568.74	2	1,237.03	2	911.26	2	605.27	2	318.74	2	52.09	2		2		2	
1/4	1,893.54	1/4	1,561.83	1/4	1,230.12	1/4	904.69	1/4	599.11	1/4	312.98	1/4	46.75	1/4		1/4		1/4	
1/2	1,886.63	1/2	1,554.92	1/2	1,223.21	1/2	898.12	1/2	592.94	1/2	307.23	1/2	41.41	1/2		1/2		1/2	
3/4	1,879.72	3/4	1,548.01	3/4	1,216.30	3/4	891.55	3/4	586.77	3/4	301.48	3/4	36.07	3/4		3/4		3/4	
3	1,872.81	3	1,541.10	3	1,209.39	3	885.01	3	580.64	3	295.76	3	31.01	3		3		3	
1/4	1,865.90	1/4	1,534.19	1/4	1,202.48	1/4	878.48	1/4	574.50	1/4	290.04	1/4	25.95	1/4		1/4		1/4	
1/2	1,858.98	1/2	1,527.28	1/2	1,195.57	1/2	871.94	1/2	568.37	1/2	284.32	1/2	20.90	1/2		1/2		1/2	
3/4	1,852.07	3/4	1,520.37	3/4	1,188.66	3/4	865.41	3/4	562.24	3/4	278.60	3/4	15.84	3/4		3/4		3/4	
4	1,845.16	4	1,513.45	4	1,181.75	4	858.91	4	556.14	4	272.91	4	12.54	4		4		4	
1/4	1,838.25	1/4	1,506.54	1/4	1,174.84	1/4	852.41	1/4	550.04	1/4	267.23	1/4	9.25	1/4		1/4		1/4	
1/2	1,831.34	1/2	1,499.63	1/2	1,167.92	1/2	845.91	1/2	543.94	1/2	261.55	1/2	5.95	1/2		1/2		1/2	
3/4	1,824.43	3/4	1,492.72	3/4	1,161.01	3/4	839.41	3/4	537.84	3/4	255.86	3/4	2.66	3/4		3/4		3/4	
5	1,817.52	5	1,485.81	5	1,154.12	5	832.95	5	531.77	5	250.21	5		5		5		5	
1/4	1,810.61	1/4	1,478.90	1/4	1,147.23	1/4	826.49	1/4	525.71	1/4	244.56	1/4		1/4		1/4		1/4	
1/2	1,803.70	1/2	1,471.99	1/2	1,140.33	1/2	820.02	1/2	519.65	1/2	238.91	1/2		1/2		1/2		1/2	
3/4	1,796.79	3/4	1,465.08	3/4	1,133.44	3/4	813.56	3/4	513.58	3/4	233.26	3/4		3/4		3/4		3/4	
6	1,789.88	6	1,458.17	6	1,126.58	6	807.14	6	507.55	6	227.64	6		6		6		6	
1/4	1,782.97	1/4	1,451.26	1/4	1,119.72	1/4	800.71	1/4	501.52	1/4	222.03	1/4		1/4		1/4		1/4	
1/2	1,776.06	1/2	1,444.35	1/2	1,112.86	1/2	794.28	1/2	495.49	1/2	216.41	1/2		1/2		1/2		1/2	
3/4	1,769.15	3/4	1,437.44	3/4	1,106.01	3/4	787.86	3/4	489.46	3/4	210.80	3/4		3/4		3/4		3/4	
7	1,762.24	7	1,430.53	7	1,099.18	7	781.46	7	483.47	7	205.22	7		7		7		7	
1/4	1,755.33	1/4	1,423.62	1/4	1,092.36	1/4	775.06	1/4	477.47	1/4	199.64	1/4		1/4		1/4		1/4	
1/2	1,748.41	1/2	1,416.71	1/2	1,085.53	1/2	768.67	1/2	471.48	1/2	194.05	1/2		1/2		1/2		1/2	
3/4	1,741.50	3/4	1,409.80	3/4	1,078.71	3/4	762.27	3/4	465.48	3/4	188.47	3/4		3/4		3/4		3/4	
8	1,734.59	8	1,402.88	8	1,071.92	8	755.91	8	459.52	8	182.93	8		8		8		8	
1/4	1,727.68	1/4	1,395.97	1/4	1,065.13	1/4	749.55	1/4	453.56	1/4	177.38	1/4		1/4		1/4		1/4	
1/2	1,720.77	1/2	1,389.06	1/2	1,058.34	1/2	743.18	1/2	447.60	1/2	171.83	1/2		1/2		1/2		1/2	
3/4	1,713.86	3/4	1,382.15	3/4	1,051.55	3/4	736.82	3/4	441.64	3/4	166.29	3/4		3/4		3/4		3/4	
9	1,706.95	9	1,375.24	9	1,044.79	9	730.49	9	435.71	9	160.78	9		9		9		9	
1/4	1,700.04	1/4	1,368.33	1/4	1,038.04	1/4	724.17	1/4	429.78	1/4	155.26	1/4		1/4		1/4		1/4	
1/2	1,693.13	1/2	1,361.42	1/2	1,031.28	1/2	717.84	1/2	423.86	1/2	149.75	1/2		1/2		1/2		1/2	
3/4	1,686.22	3/4	1,354.51	3/4	1,024.53	3/4	711.51	3/4	417.93	3/4	144.24	3/4		3/4		3/4		3/4	
10	1,679.31	10	1,347.60	10	1,017.81	10	705.20	10	412.04	10	138.76	10		10		10		10	
1/4	1,672.40	1/4	1,340.69	1/4	1,011.09	1/4	698.90	1/4	406.15	1/4	133.28	1/4		1/4		1/4		1/4	
1/2	1,665.49	1/2	1,333.78	1/2	1,004.37	1/2	692.59	1/2	400.26	1/2	127.81	1/2		1/2		1/2		1/2	
3/4	1,658.58	3/4	1,326.87	3/4	997.65	3/4	686.29	3/4	394.36	3/4	122.33	3/4		3/4		3/4		3/4	
11	1,651.67	11	1,319.96	11	990.96	11	680.02	11	388.51	11	116.89	11		11		11		11	
1/4	1,644.76	1/4	1,313.05	1/4	984.27	1/4	673.74	1/4	382.65	1/4	111.44	1/4		1/4		1/4		1/4	
1/2	1,637.85	1/2	1,306.14	1/2	977.59	1/2	667.47	1/2	376.79	1/2	106.00	1/2		1/2		1/2		1/2	
3/4	1,630.93	3/4	1,299.23	3/4	970.90	3/4	661.20	3/4	370.94	3/4	100.56	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2011 CL - SW
CALCULATED: 08/18/2011 CL
PRINTED: 08/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "EMS 372"

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	5,181.99	0	4,795.08	0	4,406.43	0	4,017.78	0	3,629.12	0	3,240.45	0	2,851.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,173.94	1/4	4,786.98	1/4	4,398.33	1/4	4,009.68	1/4	3,621.03	1/4	3,232.35	1/4	2,843.65		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,165.89	1/2	4,778.88	1/2	4,390.23	1/2	4,001.58	1/2	3,612.93	1/2	3,224.25	1/2	2,835.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,157.84	3/4	4,770.79	3/4	4,382.14	3/4	3,993.49	3/4	3,604.83	3/4	3,216.15	3/4	2,827.45		
1		1		1		1	5,149.79	1	4,762.69	1	4,374.04	1	3,985.39	1	3,596.74	1	3,208.06	1	2,819.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,141.74	1/4	4,754.59	1/4	4,365.94	1/4	3,977.29	1/4	3,588.64	1/4	3,199.96	1/4	2,811.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,133.69	1/2	4,746.50	1/2	4,357.85	1/2	3,969.19	1/2	3,580.54	1/2	3,191.86	1/2	2,803.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,125.64	3/4	4,738.40	3/4	4,349.75	3/4	3,961.10	3/4	3,572.45	3/4	3,183.76	3/4	2,795.06		
2		2		2		2	5,117.59	2	4,730.30	2	4,341.65	2	3,953.00	2	3,564.35	2	3,175.66	2	2,786.96		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,109.54	1/4	4,722.21	1/4	4,333.56	1/4	3,944.90	1/4	3,556.25	1/4	3,167.57	1/4	2,778.86		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,101.49	1/2	4,714.11	1/2	4,325.46	1/2	3,936.81	1/2	3,548.16	1/2	3,159.47	1/2	2,770.76		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,093.44	3/4	4,706.01	3/4	4,317.36	3/4	3,928.71	3/4	3,540.06	3/4	3,151.37	3/4	2,762.67		
3		3		3		3	5,085.39	3	4,697.92	3	4,309.26	3	3,920.61	3	3,531.96	3	3,143.27	3	2,754.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,077.34	1/4	4,689.82	1/4	4,301.17	1/4	3,912.52	1/4	3,523.87	1/4	3,135.17	1/4	2,746.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,069.29	1/2	4,681.72	1/2	4,293.07	1/2	3,904.42	1/2	3,515.77	1/2	3,127.08	1/2	2,738.37		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,061.24	3/4	4,673.63	3/4	4,284.97	3/4	3,896.32	3/4	3,507.67	3/4	3,118.98	3/4	2,730.27		
4		4		4		4	5,053.19	4	4,665.53	4	4,276.88	4	3,888.23	4	3,499.57	4	3,110.88	4	2,722.18		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,045.14	1/4	4,657.43	1/4	4,268.78	1/4	3,880.13	1/4	3,491.48	1/4	3,102.78	1/4	2,714.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,037.09	1/2	4,649.33	1/2	4,260.68	1/2	3,872.03	1/2	3,483.38	1/2	3,094.68	1/2	2,705.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,029.04	3/4	4,641.24	3/4	4,252.59	3/4	3,863.94	3/4	3,475.28	3/4	3,086.59	3/4	2,697.88		
5		5		5		5	5,020.99	5	4,633.14	5	4,244.49	5	3,855.84	5	3,467.19	5	3,078.49	5	2,689.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,012.94	1/4	4,625.04	1/4	4,236.39	1/4	3,847.74	1/4	3,459.09	1/4	3,070.39	1/4	2,681.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,004.89	1/2	4,616.95	1/2	4,228.30	1/2	3,839.64	1/2	3,450.99	1/2	3,062.29	1/2	2,673.59		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,996.84	3/4	4,608.85	3/4	4,220.20	3/4	3,831.55	3/4	3,442.90	3/4	3,054.19	3/4	2,665.49		
6		6		6		6	4,988.79	6	4,600.75	6	4,212.10	6	3,823.45	6	3,434.80	6	3,046.10	6	2,657.39		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,980.74	1/4	4,592.66	1/4	4,204.00	1/4	3,815.35	1/4	3,426.70	1/4	3,038.00	1/4	2,649.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,350.96	1/2	4,972.69	1/2	4,584.56	1/2	4,195.91	1/2	3,807.26	1/2	3,418.60	1/2	3,029.90	1/2	2,641.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,344.83	3/4	4,964.64	3/4	4,576.46	3/4	4,187.81	3/4	3,799.16	3/4	3,410.51	3/4	3,021.80	3/4	2,633.10
7		7		7		7	5,338.71	7	4,956.59	7	4,568.37	7	4,179.71	7	3,791.06	7	3,402.41	7	3,013.70	7	2,625.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,332.59	1/4	4,948.54	1/4	4,560.27	1/4	4,171.62	1/4	3,782.97	1/4	3,394.31	1/4	3,005.61	1/4	2,616.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,325.04	1/2	4,940.49	1/2	4,552.17	1/2	4,163.52	1/2	3,774.87	1/2	3,386.21	1/2	2,997.51	1/2	2,608.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,317.49	3/4	4,932.44	3/4	4,544.07	3/4	4,155.42	3/4	3,766.77	3/4	3,378.11	3/4	2,989.41	3/4	2,600.71
8		8		8		8	5,309.94	8	4,924.39	8	4,535.98	8	4,147.33	8	3,758.68	8	3,370.02	8	2,981.31	8	2,592.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,302.39	1/4	4,916.34	1/4	4,527.88	1/4	4,139.23	1/4	3,750.58	1/4	3,361.92	1/4	2,973.21	1/4	2,584.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,294.43	1/2	4,908.29	1/2	4,519.78	1/2	4,131.13	1/2	3,742.48	1/2	3,353.82	1/2	2,965.12	1/2	2,576.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,286.46	3/4	4,900.24	3/4	4,511.69	3/4	4,123.04	3/4	3,734.38	3/4	3,345.72	3/4	2,957.02	3/4	2,568.31
9		9		9		9	5,278.50	9	4,892.19	9	4,503.59	9	4,114.94	9	3,726.29	9	3,337.62	9	2,948.92	9	2,560.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,270.53	1/4	4,884.14	1/4	4,495.49	1/4	4,106.84	1/4	3,718.19	1/4	3,329.53	1/4	2,940.82	1/4	2,552.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,262.49	1/2	4,876.05	1/2	4,487.40	1/2	4,098.75	1/2	3,710.09	1/2	3,321.43	1/2	2,932.72	1/2	2,544.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,254.44	3/4	4,867.95	3/4	4,479.30	3/4	4,090.65	3/4	3,702.00	3/4	3,313.33	3/4	2,924.63	3/4	2,535.92
10		10		10		10	5,246.39	10	4,859.85	10	4,471.20	10	4,082.55	10	3,693.90	10	3,305.23	10	2,916.53	10	2,527.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,238.34	1/4	4,851.76	1/4	4,463.11	1/4	4,074.45	1/4	3,685.80	1/4	3,297.13	1/4	2,908.43	1/4	2,519.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,230.29	1/2	4,843.66	1/2	4,455.01	1/2	4,066.36	1/2	3,677.71	1/2	3,289.04	1/2	2,900.33	1/2	2,511.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,222.24	3/4	4,835.56	3/4	4,446.91	3/4	4,058.26	3/4	3,669.61	3/4	3,280.94	3/4	2,892.23	3/4	2,503.53
11		11		11		11	5,214.19	11	4,827.47	11	4,438.81	11	4,050.16	11	3,661.51	11	3,272.84	11	2,884.14	11	2,495.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,206.14	1/4	4,819.37	1/4	4,430.72	1/4	4,042.07	1/4	3,653.42	1/4	3,264.74	1/4	2,876.04	1/4	2,487.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,198.09	1/2	4,811.27	1/2	4,422.62	1/2	4,033.97	1/2	3,645.32	1/2	3,256.64	1/2	2,867.94	1/2	2,479.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,190.04	3/4	4,803.18	3/4	4,414.52	3/4	4,025.87	3/4	3,637.22	3/4	3,248.55	3/4	2,859.84	3/4	2,471.14

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 372"

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.	
0	2,463.04	0	2,074.34	0	1,685.63	0	1,296.93	0	908.22	0	534.49	0	146.13	0		0		0	
1/4	2,454.94	1/4	2,066.24	1/4	1,677.53	1/4	1,288.83	1/4	900.13	1/4	526.71	1/4	138.03	1/4	1/4	1/4		1/4	
1/2	2,446.84	1/2	2,058.14	1/2	1,669.44	1/2	1,280.73	1/2	892.33	1/2	518.61	1/2	129.93	1/2	1/2	1/2		1/2	
3/4	2,438.75	3/4	2,050.04	3/4	1,661.34	3/4	1,272.63	3/4	884.54	3/4	510.51	3/4	121.84	3/4	3/4	3/4		3/4	
1	2,430.65	1	2,041.94	1	1,653.24	1	1,264.54	1	876.75	1	502.41	1	113.74	1	1	1		1	
1/4	2,422.55	1/4	2,033.85	1/4	1,645.14	1/4	1,256.44	1/4	868.96	1/4	494.32	1/4	105.64	1/4	1/4	1/4		1/4	
1/2	2,414.45	1/2	2,025.75	1/2	1,637.04	1/2	1,248.34	1/2	861.17	1/2	486.22	1/2	97.54	1/2	1/2	1/2		1/2	
3/4	2,406.35	3/4	2,017.65	3/4	1,628.95	3/4	1,240.24	3/4	853.37	3/4	478.12	3/4	89.45	3/4	3/4	3/4		3/4	
2	2,398.26	2	2,009.55	2	1,620.85	2	1,232.14	2	845.58	2	470.02	2	81.35	2	2	2		2	
1/4	2,390.16	1/4	2,001.45	1/4	1,612.75	1/4	1,224.05	1/4	837.79	1/4	461.93	1/4	73.25	1/4	1/4	1/4		1/4	
1/2	2,382.06	1/2	1,993.36	1/2	1,604.65	1/2	1,215.95	1/2	830.00	1/2	453.83	1/2	65.44	1/2	1/2	1/2		1/2	
3/4	2,373.96	3/4	1,985.26	3/4	1,596.55	3/4	1,207.85	3/4	822.22	3/4	445.73	3/4	57.64	3/4	3/4	3/4		3/4	
3	2,365.86	3	1,977.16	3	1,588.46	3	1,199.75	3	814.43	3	437.63	3	49.83	3	3	3		3	
1/4	2,357.77	1/4	1,969.06	1/4	1,580.36	1/4	1,191.65	1/4	806.64	1/4	429.54	1/4	42.02	1/4	1/4	1/4		1/4	
1/2	2,349.67	1/2	1,960.96	1/2	1,572.26	1/2	1,183.56	1/2	798.87	1/2	421.44	1/2	36.24	1/2	1/2	1/2		1/2	
3/4	2,341.57	3/4	1,952.87	3/4	1,564.16	3/4	1,175.46	3/4	791.09	3/4	413.34	3/4	30.45	3/4	3/4	3/4		3/4	
4	2,333.47	4	1,944.77	4	1,556.06	4	1,167.36	4	783.32	4	405.25	4	24.67	4	4	4		4	
1/4	2,325.37	1/4	1,936.67	1/4	1,547.97	1/4	1,159.26	1/4	775.54	1/4	397.15	1/4	18.89	1/4	1/4	1/4		1/4	
1/2	2,317.28	1/2	1,928.57	1/2	1,539.87	1/2	1,151.16	1/2	767.76	1/2	389.05	1/2		1/2	1/2	1/2		1/2	
3/4	2,309.18	3/4	1,920.47	3/4	1,531.77	3/4	1,143.07	3/4	759.99	3/4	380.95	3/4		3/4	3/4	3/4		3/4	
5	2,301.08	5	1,912.38	5	1,523.67	5	1,134.97	5	752.21	5	372.86	5		5	5	5		5	
1/4	2,292.98	1/4	1,904.28	1/4	1,515.57	1/4	1,126.87	1/4	744.44	1/4	364.76	1/4		1/4	1/4	1/4		1/4	
1/2	2,284.88	1/2	1,896.18	1/2	1,507.48	1/2	1,118.77	1/2	736.66	1/2	356.66	1/2		1/2	1/2	1/2		1/2	
3/4	2,276.79	3/4	1,888.08	3/4	1,499.38	3/4	1,110.67	3/4	728.88	3/4	348.56	3/4		3/4	3/4	3/4		3/4	
6	2,268.69	6	1,879.98	6	1,491.28	6	1,102.58	6	721.11	6	340.47	6		6	6	6		6	
1/4	2,260.59	1/4	1,871.89	1/4	1,483.18	1/4	1,094.48	1/4	713.33	1/4	332.37	1/4		1/4	1/4	1/4		1/4	
1/2	2,252.49	1/2	1,863.79	1/2	1,475.08	1/2	1,086.38	1/2	705.56	1/2	324.27	1/2		1/2	1/2	1/2		1/2	
3/4	2,244.39	3/4	1,855.69	3/4	1,466.99	3/4	1,078.28	3/4	697.79	3/4	316.17	3/4		3/4	3/4	3/4		3/4	
7	2,236.30	7	1,847.59	7	1,458.89	7	1,070.18	7	690.02	7	308.08	7		7	7	7		7	
1/4	2,228.20	1/4	1,839.49	1/4	1,450.79	1/4	1,062.09	1/4	682.25	1/4	299.98	1/4		1/4	1/4	1/4		1/4	
1/2	2,220.10	1/2	1,831.40	1/2	1,442.69	1/2	1,053.99	1/2	674.47	1/2	291.88	1/2		1/2	1/2	1/2		1/2	
3/4	2,212.00	3/4	1,823.30	3/4	1,434.59	3/4	1,045.89	3/4	666.70	3/4	283.78	3/4		3/4	3/4	3/4		3/4	
8	2,203.90	8	1,815.20	8	1,426.50	8	1,037.79	8	658.93	8	275.69	8		8	8	8		8	
1/4	2,195.81	1/4	1,807.10	1/4	1,418.40	1/4	1,029.69	1/4	651.16	1/4	267.59	1/4		1/4	1/4	1/4		1/4	
1/2	2,187.71	1/2	1,799.00	1/2	1,410.30	1/2	1,021.60	1/2	643.38	1/2	259.49	1/2		1/2	1/2	1/2		1/2	
3/4	2,179.61	3/4	1,790.91	3/4	1,402.20	3/4	1,013.50	3/4	635.61	3/4	251.39	3/4		3/4	3/4	3/4		3/4	
9	2,171.51	9	1,782.81	9	1,394.10	9	1,005.40	9	627.83	9	243.30	9		9	9	9		9	
1/4	2,163.41	1/4	1,774.71	1/4	1,386.01	1/4	997.30	1/4	620.06	1/4	235.20	1/4		1/4	1/4	1/4		1/4	
1/2	2,155.32	1/2	1,766.61	1/2	1,377.91	1/2	989.20	1/2	612.28	1/2	227.10	1/2		1/2	1/2	1/2		1/2	
3/4	2,147.22	3/4	1,758.51	3/4	1,369.81	3/4	981.11	3/4	604.50	3/4	219.00	3/4		3/4	3/4	3/4		3/4	
10	2,139.12	10	1,750.42	10	1,361.71	10	973.01	10	596.73	10	210.91	10		10	10	10		10	
1/4	2,131.02	1/4	1,742.32	1/4	1,353.61	1/4	964.91	1/4	588.95	1/4	202.81	1/4		1/4	1/4	1/4		1/4	
1/2	2,122.92	1/2	1,734.22	1/2	1,345.52	1/2	956.81	1/2	581.18	1/2	194.71	1/2		1/2	1/2	1/2		1/2	
3/4	2,114.83	3/4	1,726.12	3/4	1,337.42	3/4	948.71	3/4	573.40	3/4	186.62	3/4		3/4	3/4	3/4		3/4	
11	2,106.73	11	1,718.02	11	1,329.32	11	940.62	11	565.62	11	178.52	11		11	11	11		11	
1/4	2,098.63	1/4	1,709.93	1/4	1,321.22	1/4	932.52	1/4	557.85	1/4	170.42	1/4		1/4	1/4	1/4		1/4	
1/2	2,090.53	1/2	1,701.83	1/2	1,313.12	1/2	924.42	1/2	550.06	1/2	162.32	1/2		1/2	1/2	1/2		1/2	
3/4	2,082.43	3/4	1,693.73	3/4	1,305.03	3/4	916.32	3/4	542.28	3/4	154.23	3/4		3/4	3/4	3/4		3/4	

STRAPPED: 08/18/2011 CL - SW
CALCULATED: 08/18/2011 CL
PRINTED: 08/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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 372"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,203.20	0	4,816.48	0	4,427.96	0	4,039.44	0	3,650.91	0	3,262.37	0	2,873.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,195.15	1/4	4,808.38	1/4	4,419.86	1/4	4,031.34	1/4	3,642.82	1/4	3,254.27	1/4	2,865.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,187.11	1/2	4,800.29	1/2	4,411.77	1/2	4,023.25	1/2	3,634.73	1/2	3,246.18	1/2	2,857.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,179.06	3/4	4,792.20	3/4	4,403.67	3/4	4,015.15	3/4	3,626.63	3/4	3,238.08	3/4	2,849.51
1		1		1		1	5,171.01	1	4,784.10	1	4,395.58	1	4,007.06	1	3,618.54	1	3,229.99	1	2,841.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,162.96	1/4	4,776.01	1/4	4,387.49	1/4	3,998.96	1/4	3,610.44	1/4	3,221.89	1/4	2,833.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,154.92	1/2	4,767.91	1/2	4,379.39	1/2	3,990.87	1/2	3,602.35	1/2	3,213.80	1/2	2,825.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,146.87	3/4	4,759.82	3/4	4,371.30	3/4	3,982.78	3/4	3,594.25	3/4	3,205.70	3/4	2,817.13
2		2		2		2	5,138.82	2	4,751.72	2	4,363.20	2	3,974.68	2	3,586.16	2	3,197.61	2	2,809.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,130.78	1/4	4,743.63	1/4	4,355.11	1/4	3,966.59	1/4	3,578.07	1/4	3,189.51	1/4	2,800.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,122.73	1/2	4,735.54	1/2	4,347.01	1/2	3,958.49	1/2	3,569.97	1/2	3,181.41	1/2	2,792.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,114.68	3/4	4,727.44	3/4	4,338.92	3/4	3,950.40	3/4	3,561.88	3/4	3,173.32	3/4	2,784.74
3		3		3		3	5,106.64	3	4,719.35	3	4,330.83	3	3,942.30	3	3,553.78	3	3,165.22	3	2,776.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,098.59	1/4	4,711.25	1/4	4,322.73	1/4	3,934.21	1/4	3,545.69	1/4	3,157.13	1/4	2,768.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,090.54	1/2	4,703.16	1/2	4,314.64	1/2	3,926.12	1/2	3,537.59	1/2	3,149.03	1/2	2,760.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,082.50	3/4	4,695.07	3/4	4,306.54	3/4	3,918.02	3/4	3,529.50	3/4	3,140.94	3/4	2,752.36
4		4		4		4	5,074.45	4	4,686.97	4	4,298.45	4	3,909.93	4	3,521.41	4	3,132.84	4	2,744.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,066.40	1/4	4,678.88	1/4	4,290.36	1/4	3,901.83	1/4	3,513.31	1/4	3,124.75	1/4	2,736.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,058.36	1/2	4,670.78	1/2	4,282.26	1/2	3,893.74	1/2	3,505.22	1/2	3,116.65	1/2	2,728.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,050.31	3/4	4,662.69	3/4	4,274.17	3/4	3,885.65	3/4	3,497.12	3/4	3,108.56	3/4	2,719.98
5		5		5		5	5,042.26	5	4,654.59	5	4,266.07	5	3,877.55	5	3,489.03	5	3,100.46	5	2,711.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,034.22	1/4	4,646.50	1/4	4,257.98	1/4	3,869.46	1/4	3,480.94	1/4	3,092.37	1/4	2,703.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,026.17	1/2	4,638.41	1/2	4,249.88	1/2	3,861.36	1/2	3,472.84	1/2	3,084.27	1/2	2,695.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,018.12	3/4	4,630.31	3/4	4,241.79	3/4	3,853.27	3/4	3,464.75	3/4	3,076.18	3/4	2,687.60
6		6		6		6	5,010.08	6	4,622.22	6	4,233.70	6	3,845.17	6	3,456.65	6	3,068.08	6	2,679.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,002.03	1/4	4,614.12	1/4	4,225.60	1/4	3,837.08	1/4	3,448.56	1/4	3,059.99	1/4	2,671.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,993.98	1/2	4,606.03	1/2	4,217.51	1/2	3,828.99	1/2	3,440.46	1/2	3,051.89	1/2	2,663.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,364.07	3/4	4,985.94	3/4	4,597.93	3/4	4,209.41	3/4	3,820.89	3/4	3,432.37	3/4	3,043.79
7		7		7		7	5,357.94	7	4,977.89	7	4,589.84	7	4,201.32	7	3,812.80	7	3,424.27	7	3,035.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,351.82	1/4	4,969.84	1/4	4,581.75	1/4	4,193.22	1/4	3,804.70	1/4	3,416.18	1/4	3,027.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,345.70	1/2	4,961.79	1/2	4,573.65	1/2	4,185.13	1/2	3,796.61	1/2	3,408.08	1/2	3,019.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,338.15	3/4	4,953.75	3/4	4,565.56	3/4	4,177.04	3/4	3,788.51	3/4	3,399.99	3/4	3,011.41
8		8		8		8	5,330.61	8	4,945.70	8	4,557.46	8	4,168.94	8	3,780.42	8	3,391.89	8	3,003.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,323.06	1/4	4,937.65	1/4	4,549.37	1/4	4,160.85	1/4	3,772.33	1/4	3,383.80	1/4	2,995.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,315.51	1/2	4,929.61	1/2	4,541.28	1/2	4,152.75	1/2	3,764.23	1/2	3,375.70	1/2	2,987.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,307.55	3/4	4,921.56	3/4	4,533.18	3/4	4,144.66	3/4	3,756.14	3/4	3,367.61	3/4	2,979.03
9		9		9		9	5,299.59	9	4,913.51	9	4,525.09	9	4,136.57	9	3,748.04	9	3,359.51	9	2,970.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,291.63	1/4	4,905.47	1/4	4,516.99	1/4	4,128.47	1/4	3,739.95	1/4	3,351.42	1/4	2,962.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,283.67	1/2	4,897.42	1/2	4,508.90	1/2	4,120.38	1/2	3,731.86	1/2	3,343.32	1/2	2,954.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,275.62	3/4	4,889.33	3/4	4,500.80	3/4	4,112.28	3/4	3,723.76	3/4	3,335.23	3/4	2,946.65
10		10		10		10	5,267.57	10	4,881.23	10	4,492.71	10	4,104.19	10	3,715.67	10	3,327.13	10	2,938.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,259.53	1/4	4,873.14	1/4	4,484.62	1/4	4,096.09	1/4	3,707.57	1/4	3,319.03	1/4	2,930.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,251.48	1/2	4,865.04	1/2	4,476.52	1/2	4,088.00	1/2	3,699.48	1/2	3,310.94	1/2	2,922.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,243.43	3/4	4,856.95	3/4	4,468.43	3/4	4,079.91	3/4	3,691.38	3/4	3,302.84	3/4	2,914.27
11		11		11		11	5,235.39	11	4,848.86	11	4,460.33	11	4,071.81	11	3,683.29	11	3,294.75	11	2,906.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,227.34	1/4	4,840.76	1/4	4,452.24	1/4	4,063.72	1/4	3,675.20	1/4	3,286.65	1/4	2,898.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,219.29	1/2	4,832.67	1/2	4,444.15	1/2	4,055.62	1/2	3,667.10	1/2	3,278.56	1/2	2,889.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,211.25	3/4	4,824.57	3/4	4,436.05	3/4	4,047.53	3/4	3,659.01	3/4	3,270.46	3/4	2,881.89

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 372"

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	2,485.22	0	2,096.64	0	1,708.07	0	1,319.50	0	930.92	0	542.72	0	154.17	0		0		0	
1/4	2,477.12	1/4	2,088.55	1/4	1,699.97	1/4	1,311.40	1/4	922.83	1/4	534.62	1/4	146.08	1/4	1/4	1/4		1/4	
1/2	2,469.03	1/2	2,080.45	1/2	1,691.88	1/2	1,303.31	1/2	914.73	1/2	526.53	1/2	137.98	1/2	1/2	1/2		1/2	
3/4	2,460.93	3/4	2,072.36	3/4	1,683.78	3/4	1,295.21	3/4	906.64	3/4	518.44	3/4	129.89	3/4	3/4	3/4		3/4	
1	2,452.84	1	2,064.26	1	1,675.69	1	1,287.11	1	898.54	1	510.34	1	121.80	1	1	1		1	
1/4	2,444.74	1/4	2,056.17	1/4	1,667.59	1/4	1,279.02	1/4	890.44	1/4	502.25	1/4	113.70	1/4	1/4	1/4		1/4	
1/2	2,436.65	1/2	2,048.07	1/2	1,659.50	1/2	1,270.92	1/2	882.35	1/2	494.15	1/2	105.61	1/2	1/2	1/2		1/2	
3/4	2,428.55	3/4	2,039.98	3/4	1,651.40	3/4	1,262.83	3/4	874.25	3/4	486.06	3/4	97.51	3/4	3/4	3/4		3/4	
2	2,420.46	2	2,031.88	2	1,643.31	2	1,254.73	2	866.16	2	477.96	2	89.42	2	2	2		2	
1/4	2,412.36	1/4	2,023.79	1/4	1,635.21	1/4	1,246.64	1/4	858.06	1/4	469.87	1/4	81.32	1/4	1/4	1/4		1/4	
1/2	2,404.27	1/2	2,015.69	1/2	1,627.12	1/2	1,238.54	1/2	849.97	1/2	461.77	1/2	73.23	1/2	1/2	1/2		1/2	
3/4	2,396.17	3/4	2,007.60	3/4	1,619.02	3/4	1,230.45	3/4	841.87	3/4	453.68	3/4	65.42	3/4	3/4	3/4		3/4	
3	2,388.08	3	1,999.50	3	1,610.93	3	1,222.35	3	833.78	3	445.58	3	57.62	3	3	3		3	
1/4	2,379.98	1/4	1,991.41	1/4	1,602.83	1/4	1,214.26	1/4	825.68	1/4	437.49	1/4	49.81	1/4	1/4	1/4		1/4	
1/2	2,371.88	1/2	1,983.31	1/2	1,594.74	1/2	1,206.16	1/2	817.59	1/2	429.39	1/2	42.01	1/2	1/2	1/2		1/2	
3/4	2,363.79	3/4	1,975.21	3/4	1,586.64	3/4	1,198.07	3/4	809.50	3/4	421.30	3/4	36.22	3/4	3/4	3/4		3/4	
4	2,355.69	4	1,967.12	4	1,578.55	4	1,189.97	4	801.42	4	413.20	4	30.44	4	4	4		4	
1/4	2,347.60	1/4	1,959.02	1/4	1,570.45	1/4	1,181.88	1/4	793.33	1/4	405.11	1/4	24.66	1/4	1/4	1/4		1/4	
1/2	2,339.50	1/2	1,950.93	1/2	1,562.35	1/2	1,173.78	1/2	785.25	1/2	397.02	1/2	18.88	1/2	1/2	1/2		1/2	
3/4	2,331.41	3/4	1,942.83	3/4	1,554.26	3/4	1,165.68	3/4	777.16	3/4	388.92	3/4		3/4	3/4	3/4		3/4	
5	2,323.31	5	1,934.74	5	1,546.16	5	1,157.59	5	769.08	5	380.83	5		5	5	5		5	
1/4	2,315.22	1/4	1,926.64	1/4	1,538.07	1/4	1,149.49	1/4	760.99	1/4	372.73	1/4		1/4	1/4	1/4		1/4	
1/2	2,307.12	1/2	1,918.55	1/2	1,529.97	1/2	1,141.40	1/2	752.91	1/2	364.64	1/2		1/2	1/2	1/2		1/2	
3/4	2,299.03	3/4	1,910.45	3/4	1,521.88	3/4	1,133.30	3/4	744.82	3/4	356.54	3/4		3/4	3/4	3/4		3/4	
6	2,290.93	6	1,902.36	6	1,513.78	6	1,125.21	6	736.74	6	348.45	6		6	6	6		6	
1/4	2,282.84	1/4	1,894.26	1/4	1,505.69	1/4	1,117.11	1/4	728.65	1/4	340.35	1/4		1/4	1/4	1/4		1/4	
1/2	2,274.74	1/2	1,886.17	1/2	1,497.59	1/2	1,109.02	1/2	720.57	1/2	332.26	1/2		1/2	1/2	1/2		1/2	
3/4	2,266.65	3/4	1,878.07	3/4	1,489.50	3/4	1,100.92	3/4	712.49	3/4	324.16	3/4		3/4	3/4	3/4		3/4	
7	2,258.55	7	1,869.98	7	1,481.40	7	1,092.83	7	704.41	7	316.07	7		7	7	7		7	
1/4	2,250.46	1/4	1,861.88	1/4	1,473.31	1/4	1,084.73	1/4	696.33	1/4	307.97	1/4		1/4	1/4	1/4		1/4	
1/2	2,242.36	1/2	1,853.79	1/2	1,465.21	1/2	1,076.64	1/2	688.25	1/2	299.88	1/2		1/2	1/2	1/2		1/2	
3/4	2,234.26	3/4	1,845.69	3/4	1,457.12	3/4	1,068.54	3/4	680.17	3/4	291.78	3/4		3/4	3/4	3/4		3/4	
8	2,226.17	8	1,837.59	8	1,449.02	8	1,060.45	8	672.09	8	283.69	8		8	8	8		8	
1/4	2,218.07	1/4	1,829.50	1/4	1,440.93	1/4	1,052.35	1/4	664.00	1/4	275.59	1/4		1/4	1/4	1/4		1/4	
1/2	2,209.98	1/2	1,821.40	1/2	1,432.83	1/2	1,044.26	1/2	655.92	1/2	267.50	1/2		1/2	1/2	1/2		1/2	
3/4	2,201.88	3/4	1,813.31	3/4	1,424.73	3/4	1,036.16	3/4	647.84	3/4	259.41	3/4		3/4	3/4	3/4		3/4	
9	2,193.79	9	1,805.21	9	1,416.64	9	1,028.06	9	639.76	9	251.31	9		9	9	9		9	
1/4	2,185.69	1/4	1,797.12	1/4	1,408.54	1/4	1,019.97	1/4	631.67	1/4	243.22	1/4		1/4	1/4	1/4		1/4	
1/2	2,177.60	1/2	1,789.02	1/2	1,400.45	1/2	1,011.87	1/2	623.59	1/2	235.12	1/2		1/2	1/2	1/2		1/2	
3/4	2,169.50	3/4	1,780.93	3/4	1,392.35	3/4	1,003.78	3/4	615.50	3/4	227.03	3/4		3/4	3/4	3/4		3/4	
10	2,161.41	10	1,772.83	10	1,384.26	10	995.68	10	607.42	10	218.93	10		10	10	10		10	
1/4	2,153.31	1/4	1,764.74	1/4	1,376.16	1/4	987.59	1/4	599.33	1/4	210.84	1/4		1/4	1/4	1/4		1/4	
1/2	2,145.22	1/2	1,756.64	1/2	1,368.07	1/2	979.49	1/2	591.25	1/2	202.74	1/2		1/2	1/2	1/2		1/2	
3/4	2,137.12	3/4	1,748.55	3/4	1,359.97	3/4	971.40	3/4	583.16	3/4	194.65	3/4		3/4	3/4	3/4		3/4	
11	2,129.03	11	1,740.45	11	1,351.88	11	963.30	11	575.08	11	186.55	11		11	11	11		11	
1/4	2,120.93	1/4	1,732.36	1/4	1,343.78	1/4	955.21	1/4	566.99	1/4	178.46	1/4		1/4	1/4	1/4		1/4	
1/2	2,112.84	1/2	1,724.26	1/2	1,335.69	1/2	947.11	1/2	558.91	1/2	170.36	1/2		1/2	1/2	1/2		1/2	
3/4	2,104.74	3/4	1,716.17	3/4	1,327.59	3/4	939.02	3/4	550.81	3/4	162.27	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2011 CL - SW
CALCULATED: 08/18/2011 CL
PRINTED: 08/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "EMS 372"

3 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	4,600.98	0	4,295.85	0	3,989.37	0	3,682.89	0	3,372.98	0	3,011.78	0	2,650.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,594.63	1/4	4,289.46	1/4	3,982.98	1/4	3,676.50	1/4	3,365.45	1/4	3,004.26	1/4	2,642.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,588.28	1/2	4,283.08	1/2	3,976.60	1/2	3,670.12	1/2	3,357.92	1/2	2,996.73	1/2	2,635.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,581.93	3/4	4,276.69	3/4	3,970.21	3/4	3,663.73	3/4	3,350.39	3/4	2,989.21	3/4	2,627.87		
1		1		1		1	4,575.58	1	4,270.31	1	3,963.83	1	3,657.35	1	3,342.86	1	2,981.69	1	2,620.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,569.24	1/4	4,263.92	1/4	3,957.44	1/4	3,650.96	1/4	3,335.33	1/4	2,974.17	1/4	2,612.81		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,562.89	1/2	4,257.54	1/2	3,951.06	1/2	3,644.58	1/2	3,327.80	1/2	2,966.64	1/2	2,605.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,556.54	3/4	4,251.15	3/4	3,944.67	3/4	3,638.19	3/4	3,320.27	3/4	2,959.12	3/4	2,597.75		
2		2		2		2	4,550.19	2	4,244.77	2	3,938.29	2	3,631.81	2	3,312.74	2	2,951.60	2	2,590.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,543.84	1/4	4,238.38	1/4	3,931.90	1/4	3,625.42	1/4	3,305.21	1/4	2,944.07	1/4	2,582.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,537.49	1/2	4,232.00	1/2	3,925.52	1/2	3,619.04	1/2	3,297.68	1/2	2,936.55	1/2	2,575.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,531.14	3/4	4,225.61	3/4	3,919.13	3/4	3,612.65	3/4	3,290.15	3/4	2,929.03	3/4	2,567.63		
3		3		3		3	4,524.80	3	4,219.23	3	3,912.75	3	3,606.27	3	3,282.63	3	2,921.51	3	2,560.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,518.45	1/4	4,212.84	1/4	3,906.36	1/4	3,599.88	1/4	3,275.10	1/4	2,913.98	1/4	2,552.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,512.10	1/2	4,206.46	1/2	3,899.98	1/2	3,593.50	1/2	3,267.57	1/2	2,906.46	1/2	2,545.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,505.75	3/4	4,200.07	3/4	3,893.59	3/4	3,587.11	3/4	3,260.04	3/4	2,898.94	3/4	2,537.51		
4		4		4		4	4,499.40	4	4,193.69	4	3,887.21	4	3,580.73	4	3,252.51	4	2,891.41	4	2,529.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,493.05	1/4	4,187.30	1/4	3,880.82	1/4	3,574.34	1/4	3,244.98	1/4	2,883.89	1/4	2,522.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,486.71	1/2	4,180.92	1/2	3,874.44	1/2	3,567.96	1/2	3,237.46	1/2	2,876.36	1/2	2,514.92		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,480.36	3/4	4,174.53	3/4	3,868.05	3/4	3,561.57	3/4	3,229.94	3/4	2,868.83	3/4	2,507.39		
5		5		5		5	4,474.01	5	4,168.15	5	3,861.67	5	3,555.19	5	3,222.41	5	2,861.30	5	2,499.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,467.66	1/4	4,161.76	1/4	3,855.28	1/4	3,548.80	1/4	3,214.89	1/4	2,853.77	1/4	2,492.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,461.31	1/2	4,155.38	1/2	3,848.90	1/2	3,542.42	1/2	3,207.37	1/2	2,846.24	1/2	2,484.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,454.96	3/4	4,148.99	3/4	3,842.51	3/4	3,536.03	3/4	3,199.85	3/4	2,838.71	3/4	2,477.27		
6		6		6		6	4,448.61	6	4,142.61	6	3,836.13	6	3,529.65	6	3,192.33	6	2,831.18	6	2,469.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,442.27	1/4	4,136.22	1/4	3,829.74	1/4	3,523.26	1/4	3,184.80	1/4	2,823.65	1/4	2,462.21		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,745.61	1/2	4,435.92	1/2	4,129.84	1/2	3,823.36	1/2	3,516.88	1/2	3,177.28	1/2	2,816.12	1/2	2,454.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,739.92	3/4	4,429.57	3/4	4,123.45	3/4	3,816.97	3/4	3,510.49	3/4	3,169.76	3/4	2,808.59	3/4	2,447.15
7		7		7		7	4,734.22	7	4,423.22	7	4,117.07	7	3,810.59	7	3,504.11	7	3,162.24	7	2,801.06	7	2,439.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,728.53	1/4	4,416.87	1/4	4,110.68	1/4	3,804.20	1/4	3,497.72	1/4	3,154.71	1/4	2,793.53	1/4	2,432.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,721.50	1/2	4,410.52	1/2	4,104.30	1/2	3,797.82	1/2	3,491.34	1/2	3,147.19	1/2	2,786.00	1/2	2,424.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,714.48	3/4	4,404.17	3/4	4,097.91	3/4	3,791.43	3/4	3,484.95	3/4	3,139.67	3/4	2,778.47	3/4	2,417.03
8		8		8		8	4,707.46	8	4,397.83	8	4,091.53	8	3,785.05	8	3,478.57	8	3,132.14	8	2,770.94	8	2,409.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,700.44	1/4	4,391.48	1/4	4,085.14	1/4	3,778.66	1/4	3,472.18	1/4	3,124.62	1/4	2,763.41	1/4	2,401.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,693.03	1/2	4,385.13	1/2	4,078.76	1/2	3,772.28	1/2	3,465.80	1/2	3,117.10	1/2	2,755.88	1/2	2,394.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,685.62	3/4	4,378.78	3/4	4,072.37	3/4	3,765.89	3/4	3,459.41	3/4	3,109.58	3/4	2,748.35	3/4	2,386.91
9		9		9		9	4,678.22	9	4,372.43	9	4,065.99	9	3,759.51	9	3,453.03	9	3,102.05	9	2,740.82	9	2,379.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,670.81	1/4	4,366.08	1/4	4,059.60	1/4	3,753.12	1/4	3,446.64	1/4	3,094.53	1/4	2,733.29	1/4	2,371.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,664.46	1/2	4,359.70	1/2	4,053.22	1/2	3,746.74	1/2	3,440.26	1/2	3,087.01	1/2	2,725.76	1/2	2,364.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,658.11	3/4	4,353.31	3/4	4,046.83	3/4	3,740.35	3/4	3,433.87	3/4	3,079.48	3/4	2,718.23	3/4	2,356.79
10		10		10		10	4,651.77	10	4,346.93	10	4,040.45	10	3,733.97	10	3,427.49	10	3,071.96	10	2,710.70	10	2,349.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,645.42	1/4	4,340.54	1/4	4,034.06	1/4	3,727.58	1/4	3,421.10	1/4	3,064.44	1/4	2,703.17	1/4	2,341.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,639.07	1/2	4,334.16	1/2	4,027.68	1/2	3,721.20	1/2	3,414.72	1/2	3,056.92	1/2	2,695.64	1/2	2,334.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,632.72	3/4	4,327.77	3/4	4,021.29	3/4	3,714.81	3/4	3,408.33	3/4	3,049.39	3/4	2,688.11	3/4	2,326.67
11		11		11		11	4,626.37	11	4,321.39	11	4,014.91	11	3,708.43	11	3,401.95	11	3,041.87	11	2,680.58	11	2,319.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,620.02	1/4	4,315.00	1/4	4,008.52	1/4	3,702.04	1/4	3,395.56	1/4	3,034.35	1/4	2,673.05	1/4	2,311.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,613.68	1/2	4,308.62	1/2	4,002.14	1/2	3,695.66	1/2	3,388.03	1/2	3,026.82	1/2	2,665.52	1/2	2,304.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,607.33	3/4	4,302.23	3/4	3,995.75	3/4	3,689.27	3/4	3,380.51	3/4	3,019.30	3/4	2,657.99	3/4	2,296.55

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 372"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,281.49	1/4	1,920.56	1/4	1,559.79	1/4	1,198.50	1/4	837.44	1/4	489.89	1/4	128.40	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,273.96	1/2	1,913.05	1/2	1,552.26	1/2	1,190.98	1/2	830.20	1/2	482.35	1/2	120.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,266.43	3/4	1,905.54	3/4	1,544.73	3/4	1,183.45	3/4	822.96	3/4	474.82	3/4	113.34	3/4	3/4	3/4	3/4	3/4	3/4
1	2,258.90	1	1,898.04	1	1,537.21	1	1,175.92	1	815.72	1	467.29	1	105.81	1	1	1	1	1	1
1/4	2,251.37	1/4	1,890.53	1/4	1,529.68	1/4	1,168.40	1/4	808.48	1/4	459.76	1/4	98.28	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,243.84	1/2	1,883.02	1/2	1,522.15	1/2	1,160.87	1/2	801.24	1/2	452.23	1/2	90.75	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,236.31	3/4	1,875.52	3/4	1,514.63	3/4	1,153.34	3/4	794.00	3/4	444.70	3/4	83.22	3/4	3/4	3/4	3/4	3/4	3/4
2	2,228.78	2	1,868.01	2	1,507.10	2	1,145.82	2	786.76	2	437.17	2	75.69	2	2	2	2	2	2
1/4	2,221.25	1/4	1,860.50	1/4	1,499.57	1/4	1,138.29	1/4	779.52	1/4	429.64	1/4	68.15	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,213.72	1/2	1,852.99	1/2	1,492.05	1/2	1,130.76	1/2	772.27	1/2	422.11	1/2	60.89	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,206.19	3/4	1,845.49	3/4	1,484.52	3/4	1,123.24	3/4	765.02	3/4	414.58	3/4	53.63	3/4	3/4	3/4	3/4	3/4	3/4
3	2,198.66	3	1,837.98	3	1,477.99	3	1,115.71	3	757.77	3	407.05	3	46.37	3	3	3	3	3	3
1/4	2,191.13	1/4	1,830.47	1/4	1,469.47	1/4	1,108.18	1/4	750.52	1/4	399.51	1/4	39.11	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,183.60	1/2	1,822.97	1/2	1,461.94	1/2	1,100.66	1/2	743.28	1/2	391.98	1/2	33.73	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,176.07	3/4	1,815.46	3/4	1,454.41	3/4	1,093.13	3/4	736.04	3/4	384.45	3/4	28.35	3/4	3/4	3/4	3/4	3/4	3/4
4	2,168.54	4	1,807.95	4	1,446.88	4	1,085.60	4	728.80	4	376.92	4	22.97	4	4	4	4	4	4
1/4	2,161.01	1/4	1,800.45	1/4	1,439.36	1/4	1,078.08	1/4	721.56	1/4	369.39	1/4	17.59	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,153.48	1/2	1,792.94	1/2	1,431.83	1/2	1,070.55	1/2	714.32	1/2	361.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,145.95	3/4	1,785.43	3/4	1,424.30	3/4	1,063.02	3/4	707.08	3/4	354.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	2,138.42	5	1,777.92	5	1,416.78	5	1,055.50	5	699.84	5	346.80	5		5	5	5	5	5	5
1/4	2,130.89	1/4	1,770.42	1/4	1,409.25	1/4	1,047.97	1/4	692.60	1/4	339.27	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,123.36	1/2	1,762.91	1/2	1,401.72	1/2	1,040.44	1/2	685.36	1/2	331.74	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,115.83	3/4	1,755.40	3/4	1,394.20	3/4	1,032.92	3/4	678.12	3/4	324.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,108.30	6	1,747.90	6	1,386.67	6	1,025.39	6	670.88	6	316.67	6		6	6	6	6	6	6
1/4	2,100.77	1/4	1,740.39	1/4	1,379.14	1/4	1,017.86	1/4	663.64	1/4	309.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,093.25	1/2	1,732.87	1/2	1,371.62	1/2	1,010.35	1/2	656.41	1/2	301.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,085.73	3/4	1,725.35	3/4	1,364.09	3/4	1,002.83	3/4	649.17	3/4	294.08	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,078.22	7	1,717.84	7	1,356.56	7	995.31	7	641.94	7	286.55	7		7	7	7	7	7	7
1/4	2,070.70	1/4	1,710.32	1/4	1,349.04	1/4	987.79	1/4	634.70	1/4	279.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,063.19	1/2	1,702.79	1/2	1,341.51	1/2	980.27	1/2	627.47	1/2	271.49	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,055.68	3/4	1,695.27	3/4	1,333.98	3/4	972.76	3/4	620.23	3/4	263.96	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,048.18	8	1,687.74	8	1,326.46	8	965.24	8	612.99	8	256.43	8		8	8	8	8	8	8
1/4	2,040.67	1/4	1,680.21	1/4	1,318.93	1/4	957.72	1/4	605.76	1/4	248.90	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,033.16	1/2	1,672.69	1/2	1,311.40	1/2	950.20	1/2	598.52	1/2	241.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,025.66	3/4	1,665.16	3/4	1,303.88	3/4	942.69	3/4	591.28	3/4	233.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,018.15	9	1,657.63	9	1,296.35	9	935.17	9	584.04	9	226.30	9		9	9	9	9	9	9
1/4	2,010.64	1/4	1,650.11	1/4	1,288.82	1/4	927.65	1/4	576.80	1/4	218.77	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,003.13	1/2	1,642.58	1/2	1,281.30	1/2	920.13	1/2	569.56	1/2	211.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,995.63	3/4	1,635.05	3/4	1,273.77	3/4	912.62	3/4	562.32	3/4	203.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,988.12	10	1,627.53	10	1,266.24	10	905.10	10	555.08	10	196.18	10		10	10	10	10	10	10
1/4	1,980.61	1/4	1,620.00	1/4	1,258.72	1/4	897.58	1/4	547.84	1/4	188.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,973.11	1/2	1,612.47	1/2	1,251.19	1/2	890.06	1/2	540.60	1/2	181.12	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,965.60	3/4	1,604.95	3/4	1,243.66	3/4	882.54	3/4	533.36	3/4	173.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,958.09	11	1,597.42	11	1,236.14	11	875.03	11	526.12	11	166.06	11		11	11	11	11	11	11
1/4	1,950.59	1/4	1,589.89	1/4	1,228.61	1/4	867.51	1/4	518.88	1/4	158.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,943.08	1/2	1,582.37	1/2	1,221.08	1/2	859.99	1/2	511.63	1/2	150.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,935.57	3/4	1,574.84	3/4	1,213.56	3/4	852.47	3/4	504.38	3/4	143.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2011 CL - SW
CALCULATED: 08/18/2011 CL
PRINTED: 08/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "EMS 372"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,595.58	1/4	4,290.49	1/4	3,984.05	1/4	3,677.62	1/4	3,367.78	1/4	3,007.19	1/4	2,646.48		
1/2		1/2		1/2		1/2	4,589.23	1/2	4,284.11	1/2	3,977.67	1/2	3,671.23	1/2	3,360.27	1/2	2,999.68	1/2	2,638.96		
3/4		3/4		3/4		3/4	4,582.88	3/4	4,277.72	3/4	3,971.29	3/4	3,664.85	3/4	3,352.75	3/4	2,992.17	3/4	2,631.44		
1	1	1	1	1	1	1	4,576.53	1	4,271.34	1	3,964.90	1	3,658.46	1	3,345.23	1	2,984.66	1	2,623.92		
1/4		1/4		1/4		1/4	4,570.19	1/4	4,264.95	1/4	3,958.52	1/4	3,652.08	1/4	3,337.72	1/4	2,977.15	1/4	2,616.41		
1/2		1/2		1/2		1/2	4,563.84	1/2	4,258.57	1/2	3,952.13	1/2	3,645.70	1/2	3,330.20	1/2	2,969.64	1/2	2,608.89		
3/4		3/4		3/4		3/4	4,557.49	3/4	4,252.19	3/4	3,945.75	3/4	3,639.31	3/4	3,322.68	3/4	2,962.13	3/4	2,601.37		
2	2	2	2	2	2	2	4,551.14	2	4,245.80	2	3,939.36	2	3,632.93	2	3,315.17	2	2,954.62	2	2,593.85		
1/4		1/4		1/4		1/4	4,544.80	1/4	4,239.42	1/4	3,932.98	1/4	3,626.54	1/4	3,307.65	1/4	2,947.11	1/4	2,586.34		
1/2		1/2		1/2		1/2	4,538.45	1/2	4,233.03	1/2	3,926.60	1/2	3,620.16	1/2	3,300.13	1/2	2,939.60	1/2	2,578.82		
3/4		3/4		3/4		3/4	4,532.10	3/4	4,226.65	3/4	3,920.21	3/4	3,613.78	3/4	3,292.62	3/4	2,932.09	3/4	2,571.30		
3	3	3	3	3	3	3	4,525.75	3	4,220.27	3	3,913.83	3	3,607.39	3	3,285.10	3	2,924.58	3	2,563.78		
1/4		1/4		1/4		1/4	4,519.41	1/4	4,213.88	1/4	3,907.44	1/4	3,601.01	1/4	3,277.58	1/4	2,917.07	1/4	2,556.27		
1/2		1/2		1/2		1/2	4,513.06	1/2	4,207.50	1/2	3,901.06	1/2	3,594.62	1/2	3,270.07	1/2	2,909.56	1/2	2,548.75		
3/4		3/4		3/4		3/4	4,506.71	3/4	4,201.11	3/4	3,894.68	3/4	3,588.24	3/4	3,262.55	3/4	2,902.05	3/4	2,541.24		
4	4	4	4	4	4	4	4,500.36	4	4,194.73	4	3,888.29	4	3,581.86	4	3,255.03	4	2,894.54	4	2,533.73		
1/4		1/4		1/4		1/4	4,494.02	1/4	4,188.34	1/4	3,881.91	1/4	3,575.47	1/4	3,247.52	1/4	2,887.03	1/4	2,526.22		
1/2		1/2		1/2		1/2	4,487.67	1/2	4,181.96	1/2	3,875.52	1/2	3,569.09	1/2	3,240.00	1/2	2,879.52	1/2	2,518.71		
3/4		3/4		3/4		3/4	4,481.32	3/4	4,175.58	3/4	3,869.14	3/4	3,562.70	3/4	3,232.49	3/4	2,872.00	3/4	2,511.21		
5	5	5	5	5	5	5	4,474.97	5	4,169.19	5	3,862.76	5	3,556.32	5	3,224.98	5	2,864.48	5	2,503.70		
1/4		1/4		1/4		1/4	4,468.62	1/4	4,162.81	1/4	3,856.37	1/4	3,549.93	1/4	3,217.47	1/4	2,856.97	1/4	2,496.19		
1/2		1/2		1/2		1/2	4,462.28	1/2	4,156.42	1/2	3,849.99	1/2	3,543.55	1/2	3,209.96	1/2	2,849.45	1/2	2,488.68		
3/4		3/4		3/4		3/4	4,455.93	3/4	4,150.04	3/4	3,843.60	3/4	3,537.17	3/4	3,202.45	3/4	2,841.93	3/4	2,481.17		
6	6	6	6	6	6	6	4,449.58	6	4,143.66	6	3,837.22	6	3,530.78	6	3,194.94	6	2,834.41	6	2,473.66		
1/4		1/4		1/4		1/4	4,443.23	1/4	4,137.27	1/4	3,830.84	1/4	3,524.40	1/4	3,187.44	1/4	2,826.90	1/4	2,466.16		
1/2		1/2		1/2		1/2	4,436.89	1/2	4,130.89	1/2	3,824.45	1/2	3,518.01	1/2	3,179.93	1/2	2,819.38	1/2	2,458.65		
3/4		3/4		3/4	4,740.19	3/4	4,430.54	3/4	4,124.50	3/4	3,818.07	3/4	3,511.63	3/4	3,172.42	3/4	2,811.86	3/4	2,451.14		
7	7	7	7	7	7	7	4,734.49	7	4,424.19	7	4,118.12	7	3,811.68	7	3,505.25	7	3,164.91	7	2,804.34	7	2,443.63
1/4		1/4		1/4		1/4	4,728.80	1/4	4,417.84	1/4	4,111.74	1/4	3,805.30	1/4	3,498.86	1/4	3,157.40	1/4	2,796.83	1/4	2,436.12
1/2		1/2		1/2		1/2	4,723.11	1/2	4,411.50	1/2	4,105.35	1/2	3,798.91	1/2	3,492.48	1/2	3,149.88	1/2	2,789.31	1/2	2,428.61
3/4		3/4		3/4		3/4	4,716.09	3/4	4,405.15	3/4	4,098.97	3/4	3,792.53	3/4	3,486.09	3/4	3,142.37	3/4	2,781.79	3/4	2,421.10
8	8	8	8	8	8	8	4,709.07	8	4,398.80	8	4,092.58	8	3,786.15	8	3,479.71	8	3,134.86	8	2,774.27	8	2,413.60
1/4		1/4		1/4		1/4	4,702.04	1/4	4,392.45	1/4	4,086.20	1/4	3,779.76	1/4	3,473.33	1/4	3,127.35	1/4	2,766.76	1/4	2,406.09
1/2		1/2		1/2		1/2	4,695.02	1/2	4,386.11	1/2	4,079.81	1/2	3,773.38	1/2	3,466.94	1/2	3,119.84	1/2	2,759.24	1/2	2,398.58
3/4		3/4		3/4		3/4	4,687.62	3/4	4,379.76	3/4	4,073.43	3/4	3,766.99	3/4	3,460.56	3/4	3,112.33	3/4	2,751.72	3/4	2,391.07
9	9	9	9	9	9	9	4,680.21	9	4,373.41	9	4,067.05	9	3,760.61	9	3,454.17	9	3,104.82	9	2,744.20	9	2,383.56
1/4		1/4		1/4		1/4	4,672.81	1/4	4,367.06	1/4	4,060.66	1/4	3,754.23	1/4	3,447.79	1/4	3,097.31	1/4	2,736.69	1/4	2,376.05
1/2		1/2		1/2		1/2	4,665.40	1/2	4,360.72	1/2	4,054.28	1/2	3,747.84	1/2	3,441.40	1/2	3,089.80	1/2	2,729.17	1/2	2,368.55
3/4		3/4		3/4		3/4	4,659.05	3/4	4,354.33	3/4	4,047.89	3/4	3,741.46	3/4	3,435.02	3/4	3,082.29	3/4	2,721.65	3/4	2,361.04
10	10	10	10	10	10	10	4,652.71	10	4,347.95	10	4,041.51	10	3,735.07	10	3,428.64	10	3,074.78	10	2,714.13	10	2,353.53
1/4		1/4		1/4		1/4	4,646.36	1/4	4,341.56	1/4	4,035.13	1/4	3,728.69	1/4	3,422.25	1/4	3,067.27	1/4	2,706.62	1/4	2,346.02
1/2		1/2		1/2		1/2	4,640.01	1/2	4,335.18	1/2	4,028.74	1/2	3,722.31	1/2	3,415.87	1/2	3,059.76	1/2	2,699.10	1/2	2,338.51
3/4		3/4		3/4		3/4	4,633.66	3/4	4,328.79	3/4	4,022.36	3/4	3,715.92	3/4	3,409.48	3/4	3,052.25	3/4	2,691.58	3/4	2,331.00
11	11	11	11	11	11	11	4,627.31	11	4,322.41	11	4,015.97	11	3,709.54	11	3,403.10	11	3,044.74	11	2,684.06	11	2,323.50
1/4		1/4		1/4		1/4	4,620.97	1/4	4,316.03	1/4	4,009.59	1/4	3,703.15	1/4	3,396.72	1/4	3,037.23	1/4	2,676.55	1/4	2,315.99
1/2		1/2		1/2		1/2	4,614.62	1/2	4,309.64	1/2	4,003.21	1/2	3,696.77	1/2	3,390.33	1/2	3,029.72	1/2	2,669.03	1/2	2,308.48
3/4		3/4		3/4		3/4	4,608.27	3/4	4,303.26	3/4	3,996.82	3/4	3,690.38	3/4	3,382.82	3/4	3,022.21	3/4	2,661.51	3/4	2,300.96

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "EMS 372"

3 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	2,293.44	0	1,934.07	0	1,575.39	0	1,214.63	0	853.88	0	503.71	0	143.28	0		0		0	
1/4	2,285.92	1/4	1,926.63	1/4	1,567.87	1/4	1,207.12	1/4	846.36	1/4	496.42	1/4	135.76	1/4	1/4		1/4		1/4
1/2	2,278.40	1/2	1,919.19	1/2	1,560.35	1/2	1,199.60	1/2	838.85	1/2	489.12	1/2	128.25	1/2	1/2		1/2		1/2
3/4	2,270.88	3/4	1,911.74	3/4	1,552.84	3/4	1,192.09	3/4	831.55	3/4	481.61	3/4	120.73	3/4	3/4		3/4		3/4
1	2,263.36	1	1,904.30	1	1,545.32	1	1,184.57	1	824.26	1	474.09	1	113.21	1	1		1		1
1/4	2,255.85	1/4	1,896.86	1/4	1,537.81	1/4	1,177.05	1/4	816.97	1/4	466.57	1/4	105.69	1/4	1/4		1/4		1/4
1/2	2,248.33	1/2	1,889.42	1/2	1,530.29	1/2	1,169.54	1/2	809.67	1/2	459.05	1/2	98.17	1/2	1/2		1/2		1/2
3/4	2,240.81	3/4	1,881.98	3/4	1,522.78	3/4	1,162.02	3/4	802.38	3/4	451.53	3/4	90.65	3/4	3/4		3/4		3/4
2	2,233.29	2	1,874.53	2	1,515.26	2	1,154.51	2	795.09	2	444.01	2	83.14	2	2		2		2
1/4	2,225.77	1/4	1,867.09	1/4	1,507.74	1/4	1,146.99	1/4	787.79	1/4	436.50	1/4	75.62	1/4	1/4		1/4		1/4
1/2	2,218.25	1/2	1,859.65	1/2	1,500.23	1/2	1,139.48	1/2	780.50	1/2	428.98	1/2	68.10	1/2	1/2		1/2		1/2
3/4	2,210.73	3/4	1,852.21	3/4	1,492.71	3/4	1,131.96	3/4	773.20	3/4	421.46	3/4	60.85	3/4	3/4		3/4		3/4
3	2,203.21	3	1,844.77	3	1,485.20	3	1,124.44	3	765.91	3	413.94	3	53.60	3	3		3		3
1/4	2,195.69	1/4	1,837.33	1/4	1,477.68	1/4	1,116.93	1/4	758.62	1/4	406.42	1/4	46.35	1/4	1/4		1/4		1/4
1/2	2,188.17	1/2	1,829.88	1/2	1,470.17	1/2	1,109.41	1/2	751.32	1/2	398.90	1/2	39.10	1/2	1/2		1/2		1/2
3/4	2,180.66	3/4	1,822.44	3/4	1,462.65	3/4	1,101.90	3/4	744.04	3/4	391.39	3/4	33.72	3/4	3/4		3/4		3/4
4	2,173.14	4	1,815.00	4	1,455.13	4	1,094.38	4	736.76	4	383.87	4	28.35	4	4		4		4
1/4	2,165.62	1/4	1,807.56	1/4	1,447.62	1/4	1,086.87	1/4	729.47	1/4	376.35	1/4	22.97	1/4	1/4		1/4		1/4
1/2	2,158.10	1/2	1,800.12	1/2	1,440.10	1/2	1,079.35	1/2	722.19	1/2	368.83	1/2	17.59	1/2	1/2		1/2		1/2
3/4	2,150.58	3/4	1,792.67	3/4	1,432.59	3/4	1,071.83	3/4	714.91	3/4	361.31	3/4		3/4	3/4		3/4		3/4
5	2,143.06	5	1,785.23	5	1,425.07	5	1,064.32	5	707.62	5	353.80	5		5	5		5		5
1/4	2,135.54	1/4	1,777.79	1/4	1,417.56	1/4	1,056.80	1/4	700.34	1/4	346.28	1/4		1/4	1/4		1/4		1/4
1/2	2,128.02	1/2	1,770.35	1/2	1,410.04	1/2	1,049.29	1/2	693.06	1/2	338.76	1/2		1/2	1/2		1/2		1/2
3/4	2,120.50	3/4	1,762.91	3/4	1,402.52	3/4	1,041.77	3/4	685.78	3/4	331.24	3/4		3/4	3/4		3/4		3/4
6	2,112.98	6	1,755.46	6	1,395.01	6	1,034.26	6	678.49	6	323.72	6		6	6		6		6
1/4	2,105.47	1/4	1,748.02	1/4	1,387.49	1/4	1,026.74	1/4	671.21	1/4	316.20	1/4		1/4	1/4		1/4		1/4
1/2	2,097.95	1/2	1,740.58	1/2	1,379.98	1/2	1,019.22	1/2	663.93	1/2	308.69	1/2		1/2	1/2		1/2		1/2
3/4	2,090.47	3/4	1,733.10	3/4	1,372.46	3/4	1,011.71	3/4	656.65	3/4	301.17	3/4		3/4	3/4		3/4		3/4
7	2,082.99	7	1,725.62	7	1,364.95	7	1,004.19	7	649.37	7	293.65	7		7	7		7		7
1/4	2,075.50	1/4	1,718.15	1/4	1,357.43	1/4	996.68	1/4	642.09	1/4	286.13	1/4		1/4	1/4		1/4		1/4
1/2	2,068.02	1/2	1,710.67	1/2	1,349.91	1/2	989.16	1/2	634.81	1/2	278.61	1/2		1/2	1/2		1/2		1/2
3/4	2,060.58	3/4	1,703.15	3/4	1,342.40	3/4	981.65	3/4	627.53	3/4	271.09	3/4		3/4	3/4		3/4		3/4
8	2,053.14	8	1,695.64	8	1,334.88	8	974.13	8	620.25	8	263.58	8		8	8		8		8
1/4	2,045.70	1/4	1,688.12	1/4	1,327.37	1/4	966.61	1/4	612.97	1/4	256.06	1/4		1/4	1/4		1/4		1/4
1/2	2,038.26	1/2	1,680.61	1/2	1,319.85	1/2	959.10	1/2	605.70	1/2	248.54	1/2		1/2	1/2		1/2		1/2
3/4	2,030.81	3/4	1,673.09	3/4	1,312.34	3/4	951.58	3/4	598.41	3/4	241.02	3/4		3/4	3/4		3/4		3/4
9	2,023.37	9	1,665.57	9	1,304.82	9	944.07	9	591.13	9	233.50	9		9	9		9		9
1/4	2,015.93	1/4	1,658.06	1/4	1,297.31	1/4	936.55	1/4	583.85	1/4	225.98	1/4		1/4	1/4		1/4		1/4
1/2	2,008.49	1/2	1,650.54	1/2	1,289.79	1/2	929.04	1/2	576.56	1/2	218.47	1/2		1/2	1/2		1/2		1/2
3/4	2,001.05	3/4	1,643.03	3/4	1,282.27	3/4	921.52	3/4	569.28	3/4	210.95	3/4		3/4	3/4		3/4		3/4
10	1,993.61	10	1,635.51	10	1,274.76	10	914.00	10	562.00	10	203.43	10		10	10		10		10
1/4	1,986.16	1/4	1,628.00	1/4	1,267.24	1/4	906.49	1/4	554.71	1/4	195.91	1/4		1/4	1/4		1/4		1/4
1/2	1,978.72	1/2	1,620.48	1/2	1,259.73	1/2	898.97	1/2	547.43	1/2	188.39	1/2		1/2	1/2		1/2		1/2
3/4	1,971.28	3/4	1,612.96	3/4	1,252.21	3/4	891.46	3/4	540.15	3/4	180.87	3/4		3/4	3/4		3/4		3/4
11	1,963.84	11	1,605.45	11	1,244.70	11	883.94	11	532.86	11	173.36	11		11	11		11		11
1/4	1,956.40	1/4	1,597.93	1/4	1,237.18	1/4	876.43	1/4	525.58	1/4	165.84	1/4		1/4	1/4		1/4		1/4
1/2	1,948.95	1/2	1,590.42	1/2	1,229.66	1/2	868.91	1/2	518.30	1/2	158.32	1/2		1/2	1/2		1/2		1/2
3/4	1,941.51	3/4	1,582.90	3/4	1,222.15	3/4	861.39	3/4	511.00	3/4	150.80	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2011 CL - SW
CALCULATED: 08/18/2011 CL
PRINTED: 08/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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