



BARGE "EMS 371"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-09"

April 15, 2009

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 371"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	4,274.57	0	3,998.68	0	3,721.55	0	3,422.92	0	3,103.71	0	2,772.89	0	2,442.00	0	2,111.12	0	1,780.24
1/4	1/4	1/4	4,269.80	1/4	3,993.10	1/4	3,715.55	1/4	3,416.47	1/4	3,096.83	1/4	2,765.99	1/4	2,435.11	1/4	2,104.23	1/4	1,773.34
1/2	1/2	1/2	4,265.04	1/2	3,987.51	1/2	3,709.54	1/2	3,410.02	1/2	3,089.95	1/2	2,759.10	1/2	2,428.22	1/2	2,097.33	1/2	1,766.45
3/4	3/4	3/4	4,260.27	3/4	3,981.93	3/4	3,703.54	3/4	3,403.57	3/4	3,083.08	3/4	2,752.21	3/4	2,421.32	3/4	2,090.44	3/4	1,759.56
1	1	1	4,255.50	1	3,976.35	1	3,697.53	1	3,377.13	1	3,076.20	1	2,745.31	1	2,414.43	1	2,083.55	1	1,752.66
1/4	1/4	1/4	4,249.01	1/4	3,970.73	1/4	3,691.50	1/4	3,390.63	1/4	3,069.30	1/4	2,738.42	1/4	2,407.54	1/4	2,076.65	1/4	1,745.77
1/2	1/2	1/2	4,242.53	1/2	3,965.11	1/2	3,685.46	1/2	3,384.14	1/2	3,062.41	1/2	2,731.53	1/2	2,400.64	1/2	2,069.76	1/2	1,738.88
3/4	3/4	3/4	4,236.04	3/4	3,959.49	3/4	3,679.42	3/4	3,377.65	3/4	3,055.52	3/4	2,724.63	3/4	2,393.75	3/4	2,062.87	3/4	1,731.98
2	2	2	4,229.55	2	3,953.88	2	3,673.39	2	3,371.16	2	3,048.62	2	2,717.74	2	2,386.86	2	2,055.97	2	1,725.09
1/4	1/4	1/4	4,223.06	1/4	3,948.22	1/4	3,667.31	1/4	3,364.64	1/4	3,041.73	1/4	2,710.85	1/4	2,379.96	1/4	2,049.08	1/4	1,718.20
1/2	1/2	1/2	4,216.57	1/2	3,942.56	1/2	3,661.24	1/2	3,358.12	1/2	3,034.84	1/2	2,703.95	1/2	2,373.07	1/2	2,042.19	1/2	1,711.30
3/4	3/4	3/4	4,210.08	3/4	3,936.91	3/4	3,655.16	3/4	3,351.60	3/4	3,027.94	3/4	2,697.06	3/4	2,366.18	3/4	2,035.29	3/4	1,704.41
3	3	3	4,203.59	3	3,931.25	3	3,649.09	3	3,345.08	3	3,021.05	3	2,690.17	3	2,359.28	3	2,028.40	3	1,697.52
1/4	1/4	1/4	4,197.11	1/4	3,925.56	1/4	3,642.94	1/4	3,338.52	1/4	3,014.16	1/4	2,683.27	1/4	2,352.39	1/4	2,021.51	1/4	1,690.62
1/2	1/2	1/2	4,190.62	1/2	3,919.87	1/2	3,636.80	1/2	3,331.96	1/2	3,007.26	1/2	2,676.38	1/2	2,345.50	1/2	2,014.61	1/2	1,683.73
3/4	3/4	3/4	4,184.13	3/4	3,914.19	3/4	3,630.66	3/4	3,325.40	3/4	3,000.37	3/4	2,669.49	3/4	2,338.60	3/4	2,007.72	3/4	1,676.84
4	4	4	4,177.64	4	3,908.50	4	3,624.52	4	3,318.84	4	2,993.47	4	2,662.59	4	2,331.71	4	2,000.83	4	1,669.94
1/4	1/4	1/4	4,171.18	1/4	3,902.77	1/4	3,618.34	1/4	3,312.24	1/4	2,986.58	1/4	2,655.70	1/4	2,324.82	1/4	1,993.93	1/4	1,663.05
1/2	1/2	1/2	4,164.73	1/2	3,897.04	1/2	3,612.16	1/2	3,305.64	1/2	2,979.69	1/2	2,648.80	1/2	2,317.92	1/2	1,987.04	1/2	1,656.16
3/4	3/4	3/4	4,158.28	3/4	3,891.31	3/4	3,605.97	3/4	3,299.04	3/4	2,972.79	3/4	2,641.91	3/4	2,311.03	3/4	1,980.15	3/4	1,649.26
5	5	5	4,151.82	5	3,885.57	5	3,599.79	5	3,292.44	5	2,965.90	5	2,635.02	5	2,304.13	5	1,973.25	5	1,642.37
1/4	1/4	1/4	4,145.37	1/4	3,879.82	1/4	3,593.58	1/4	3,285.80	1/4	2,959.01	1/4	2,628.12	1/4	2,297.24	1/4	1,966.36	1/4	1,635.48
1/2	1/2	1/2	4,138.91	1/2	3,874.06	1/2	3,587.37	1/2	3,279.17	1/2	2,952.11	1/2	2,621.23	1/2	2,290.35	1/2	1,959.46	1/2	1,628.58
3/4	3/4	3/4	4,132.46	3/4	3,868.30	3/4	3,581.15	3/4	3,272.54	3/4	2,945.22	3/4	2,614.34	3/4	2,283.45	3/4	1,952.57	3/4	1,621.69
6	6	6	4,126.00	6	3,862.54	6	3,574.94	6	3,265.91	6	2,938.33	6	2,607.44	6	2,276.56	6	1,945.68	6	1,614.79
1/4	1/4	1/4	4,119.55	1/4	3,856.76	1/4	3,568.69	1/4	3,259.23	1/4	2,931.43	1/4	2,600.55	1/4	2,269.67	1/4	1,938.78	1/4	1,607.90
1/2	1/2	1/2	4,113.10	1/2	3,850.98	1/2	3,562.43	1/2	3,252.56	1/2	2,924.54	1/2	2,593.66	1/2	2,262.77	1/2	1,931.89	1/2	1,601.01
3/4	3/4	3/4	4,106.64	3/4	3,845.19	3/4	3,556.17	3/4	3,245.89	3/4	2,917.65	3/4	2,586.76	3/4	2,255.88	3/4	1,925.00	3/4	1,594.11
7	7	7	4,100.19	7	3,839.41	7	3,549.92	7	3,239.22	7	2,910.75	7	2,579.87	7	2,248.99	7	1,918.10	7	1,587.22
1/4	1/4	1/4	4,093.73	1/4	3,833.59	1/4	3,543.63	1/4	3,232.51	1/4	2,903.86	1/4	2,572.98	1/4	2,242.09	1/4	1,911.21	1/4	1,580.33
1/2	1/2	1/2	4,087.28	1/2	3,827.77	1/2	3,537.35	1/2	3,225.81	1/2	2,896.97	1/2	2,566.08	1/2	2,235.20	1/2	1,904.32	1/2	1,573.43
3/4	3/4	3/4	4,080.82	3/4	3,821.95	3/4	3,531.07	3/4	3,219.11	3/4	2,890.07	3/4	2,559.19	3/4	2,228.31	3/4	1,897.42	3/4	1,566.54
8	8	8	4,074.37	8	3,816.13	8	3,524.78	8	3,212.40	8	2,883.18	8	2,552.30	8	2,221.41	8	1,890.53	8	1,559.65
1/4	1/4	1/4	4,067.91	1/4	3,810.28	1/4	3,518.47	1/4	3,205.66	1/4	2,876.29	1/4	2,545.40	1/4	2,214.52	1/4	1,883.64	1/4	1,552.75
1/2	1/2	1/2	4,061.46	1/2	3,804.43	1/2	3,512.15	1/2	3,198.91	1/2	2,869.39	1/2	2,538.51	1/2	2,207.63	1/2	1,876.74	1/2	1,545.86
3/4	3/4	3/4	4,055.00	3/4	3,798.57	3/4	3,505.84	3/4	3,192.17	3/4	2,862.50	3/4	2,531.62	3/4	2,200.73	3/4	1,869.85	3/4	1,538.97
9	9	9	4,048.55	9	3,792.72	9	3,499.52	9	3,185.42	9	2,855.61	9	2,524.72	9	2,193.84	9	1,862.96	9	1,532.07
1/4	1/4	1/4	4,042.10	1/4	3,786.83	1/4	3,493.17	1/4	3,178.64	1/4	2,848.71	1/4	2,517.83	1/4	2,186.95	1/4	1,856.06	1/4	1,525.18
1/2	1/2	1/2	4,035.65	1/2	3,780.93	1/2	3,486.81	1/2	3,171.87	1/2	2,841.82	1/2	2,510.94	1/2	2,180.05	1/2	1,849.17	1/2	1,518.29
3/4	3/4	3/4	4,029.20	3/4	3,775.04	3/4	3,480.46	3/4	3,165.10	3/4	2,834.93	3/4	2,504.04	3/4	2,173.16	3/4	1,842.28	3/4	1,511.39
10	10	10	4,022.75	10	3,769.15	10	3,474.10	10	3,158.32	10	2,828.03	10	2,497.15	10	2,166.27	10	1,835.38	10	1,504.50
1/4	1/4	1/4	4,016.30	1/4	3,763.23	1/4	3,467.72	1/4	3,151.51	1/4	2,821.14	1/4	2,490.26	1/4	2,159.37	1/4	1,828.49	1/4	1,497.61
1/2	1/2	1/2	4,009.85	1/2	3,757.30	1/2	3,461.35	1/2	3,144.71	1/2	2,814.25	1/2	2,483.36	1/2	2,152.48	1/2	1,821.60	1/2	1,490.71
3/4	3/4	3/4	4,003.40	3/4	3,751.38	3/4	3,454.97	3/4	3,137.90	3/4	2,807.35	3/4	2,476.47	3/4	2,145.59	3/4	1,814.70	3/4	1,483.82
11	11	11	4,000.00	11	3,745.45	11	3,448.59	11	3,131.10	11	2,800.46	11	2,469.58	11	2,138.69	11	1,807.81	11	1,476.93
1/4	1/4	1/4	3,993.55	1/4	3,739.48	1/4	3,442.17	1/4	3,124.25	1/4	2,793.57	1/4	2,462.68	1/4	2,131.80	1/4	1,800.92	1/4	1,470.03
1/2	1/2	1/2	3,987.10	1/2	3,733.50	1/2	3,435.76	1/2	3,117.40	1/2	2,786.67	1/2	2,455.79	1/2	2,124.91	1/2	1,794.02	1/2	1,463.14
3/4	3/4	3/4	3,980.65	3/4	3,727.53	3/4	3,429.34	3/4	3,110.56	3/4	2,779.78	3/4	2,448.90	3/4	2,118.01	3/4	1,787.13	3/4	1,456.25

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 371"

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 14'-11"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,449.35	0	1,119.52	0	805.02	0	510.52	0	236.00	0		0		0		0		0	
1/4	1,442.46	1/4	1,112.78	1/4	798.68	1/4	504.64	1/4	230.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,435.57	1/2	1,106.04	1/2	792.35	1/2	498.76	1/2	224.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,428.67	3/4	1,099.30	3/4	786.01	3/4	492.88	3/4	219.45	3/4		3/4		3/4		3/4		3/4	
1	1,421.78	1	1,092.56	1	779.67	1	487.00	1	213.93	1		1		1		1		1	
1/4	1,414.89	1/4	1,085.85	1/4	773.38	1/4	481.15	1/4	208.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,407.99	1/2	1,079.15	1/2	767.09	1/2	475.30	1/2	202.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,401.10	3/4	1,072.44	3/4	760.80	3/4	469.46	3/4	197.47	3/4		3/4		3/4		3/4		3/4	
2	1,394.21	2	1,065.73	2	754.51	2	463.61	2	191.98	2		2		2		2		2	
1/4	1,387.31	1/4	1,059.07	1/4	748.24	1/4	457.78	1/4	186.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,380.42	1/2	1,052.40	1/2	741.98	1/2	451.96	1/2	181.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,373.53	3/4	1,045.74	3/4	735.72	3/4	446.14	3/4	175.61	3/4		3/4		3/4		3/4		3/4	
3	1,366.63	3	1,039.07	3	729.46	3	440.32	3	170.15	3		3		3		3		3	
1/4	1,359.74	1/4	1,032.44	1/4	723.22	1/4	434.53	1/4	164.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,352.85	1/2	1,025.80	1/2	716.99	1/2	428.74	1/2	159.30	1/2		1/2		1/2		1/2		1/2	
3/4	1,345.95	3/4	1,019.17	3/4	710.75	3/4	422.95	3/4	153.87	3/4		3/4		3/4		3/4		3/4	
4	1,339.06	4	1,012.53	4	704.52	4	417.16	4	148.45	4		4		4		4		4	
1/4	1,332.17	1/4	1,005.93	1/4	698.32	1/4	411.41	1/4	143.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,325.27	1/2	999.32	1/2	692.12	1/2	405.65	1/2	137.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,318.38	3/4	992.72	3/4	685.92	3/4	399.89	3/4	132.27	3/4		3/4		3/4		3/4		3/4	
5	1,311.49	5	986.11	5	679.72	5	394.13	5	126.88	5		5		5		5		5	
1/4	1,304.59	1/4	979.54	1/4	673.55	1/4	388.40	1/4	121.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,297.70	1/2	972.97	1/2	667.38	1/2	382.67	1/2	116.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,290.81	3/4	966.40	3/4	661.22	3/4	376.94	3/4	110.84	3/4		3/4		3/4		3/4		3/4	
6	1,283.91	6	959.83	6	655.05	6	371.21	6	105.50	6		6		6		6		6	
1/4	1,277.02	1/4	953.29	1/4	648.91	1/4	365.52	1/4	100.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,270.12	1/2	946.75	1/2	642.78	1/2	359.82	1/2	94.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,263.23	3/4	940.21	3/4	636.65	3/4	354.13	3/4	89.55	3/4		3/4		3/4		3/4		3/4	
7	1,256.34	7	933.67	7	630.51	7	348.44	7	84.23	7		7		7		7		7	
1/4	1,249.44	1/4	927.18	1/4	624.42	1/4	342.77	1/4	78.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,242.55	1/2	920.69	1/2	618.33	1/2	337.10	1/2	73.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,235.66	3/4	914.19	3/4	612.24	3/4	331.44	3/4	68.37	3/4		3/4		3/4		3/4		3/4	
8	1,228.76	8	907.70	8	606.15	8	325.77	8	63.08	8		8		8		8		8	
1/4	1,221.87	1/4	901.24	1/4	600.12	1/4	320.11	1/4	57.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,214.98	1/2	894.78	1/2	594.09	1/2	314.45	1/2	52.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,208.08	3/4	888.31	3/4	588.06	3/4	308.79	3/4	47.31	3/4		3/4		3/4		3/4		3/4	
9	1,201.19	9	881.85	9	582.03	9	303.13	9	42.05	9		9		9		9		9	
1/4	1,194.35	1/4	875.41	1/4	576.04	1/4	297.51	1/4	37.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,187.52	1/2	868.98	1/2	570.04	1/2	291.88	1/2	33.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,180.68	3/4	862.54	3/4	564.05	3/4	286.25	3/4	28.97	3/4		3/4		3/4		3/4		3/4	
10	1,173.85	10	856.11	10	558.06	10	280.63	10	24.61	10		10		10		10		10	
1/4	1,167.04	1/4	849.71	1/4	552.10	1/4	275.03	1/4	22.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,160.23	1/2	843.30	1/2	546.14	1/2	269.44	1/2	19.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,153.43	3/4	836.90	3/4	540.18	3/4	263.84	3/4	16.79	3/4		3/4		3/4		3/4		3/4	
11	1,146.62	11	830.50	11	534.23	11	258.25	11	14.19	11		11		11		11		11	
1/4	1,139.85	1/4	824.13	1/4	528.30	1/4	252.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,133.07	1/2	817.76	1/2	522.37	1/2	247.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,126.30	3/4	811.39	3/4	516.45	3/4	241.57	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2009 CL - SW
CALCULATED: 04/15/2009 CL
PRINTED: 04/15/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2009

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "EMS 371"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	4,271.34	0	3,994.62	0	3,717.06	0	3,417.96	0	3,098.29	0	2,767.43	0	2,436.49	0	2,105.56	0	1,774.63
1/4		1/4	4,266.57	1/4	3,989.03	1/4	3,711.05	1/4	3,411.51	1/4	3,091.42	1/4	2,760.53	1/4	2,429.60	1/4	2,098.67	1/4	1,767.74
1/2		1/2	4,261.80	1/2	3,983.45	1/2	3,705.05	1/2	3,405.06	1/2	3,084.55	1/2	2,753.64	1/2	2,422.71	1/2	2,091.77	1/2	1,760.84
3/4		3/4	4,257.03	3/4	3,977.86	3/4	3,699.04	3/4	3,398.61	3/4	3,077.67	3/4	2,746.74	3/4	2,415.81	3/4	2,084.88	3/4	1,753.95
1		1	4,250.54	1	3,972.25	1	3,693.01	1	3,392.12	1	3,070.78	1	2,739.85	1	2,408.92	1	2,077.99	1	1,747.05
1/4		1/4	4,244.05	1/4	3,966.63	1/4	3,686.97	1/4	3,385.63	1/4	3,063.88	1/4	2,732.95	1/4	2,402.02	1/4	2,071.09	1/4	1,740.16
1/2		1/2	4,237.57	1/2	3,961.01	1/2	3,680.93	1/2	3,379.14	1/2	3,056.99	1/2	2,726.06	1/2	2,395.13	1/2	2,064.20	1/2	1,733.27
3/4		3/4	4,231.08	3/4	3,955.40	3/4	3,674.90	3/4	3,372.64	3/4	3,050.10	3/4	2,719.16	3/4	2,388.23	3/4	2,057.30	3/4	1,726.37
2		2	4,224.59	2	3,949.74	2	3,668.82	2	3,366.12	2	3,043.20	2	2,712.27	2	2,381.34	2	2,050.41	2	1,719.48
1/4		1/4	4,218.10	1/4	3,944.08	1/4	3,662.75	1/4	3,359.60	1/4	3,036.31	1/4	2,705.38	1/4	2,374.44	1/4	2,043.51	1/4	1,712.58
1/2		1/2	4,211.61	1/2	3,938.43	1/2	3,656.67	1/2	3,353.08	1/2	3,029.41	1/2	2,698.48	1/2	2,367.55	1/2	2,036.62	1/2	1,705.69
3/4		3/4	4,205.12	3/4	3,932.77	3/4	3,650.59	3/4	3,346.56	3/4	3,022.52	3/4	2,691.59	3/4	2,360.66	3/4	2,029.72	3/4	1,698.79
3		3	4,198.63	3	3,927.08	3	3,644.45	3	3,340.00	3	3,015.62	3	2,684.69	3	2,353.76	3	2,022.83	3	1,691.90
1/4		1/4	4,192.14	1/4	3,921.39	1/4	3,638.31	1/4	3,333.44	1/4	3,008.73	1/4	2,677.80	1/4	2,346.87	1/4	2,015.94	1/4	1,685.00
1/2		1/2	4,185.65	1/2	3,915.70	1/2	3,632.17	1/2	3,326.88	1/2	3,001.84	1/2	2,670.90	1/2	2,339.97	1/2	2,009.04	1/2	1,678.11
3/4		3/4	4,179.16	3/4	3,910.02	3/4	3,626.03	3/4	3,320.32	3/4	2,994.94	3/4	2,664.01	3/4	2,333.08	3/4	2,002.15	3/4	1,671.22
4		4	4,172.71	4	3,904.29	4	3,619.84	4	3,313.72	4	2,988.05	4	2,657.12	4	2,326.18	4	1,995.25	4	1,664.32
1/4		1/4	4,166.25	1/4	3,898.55	1/4	3,613.66	1/4	3,307.11	1/4	2,981.15	1/4	2,650.22	1/4	2,319.29	1/4	1,988.36	1/4	1,657.43
1/2		1/2	4,159.80	1/2	3,892.82	1/2	3,607.48	1/2	3,300.51	1/2	2,974.26	1/2	2,643.33	1/2	2,312.40	1/2	1,981.46	1/2	1,650.53
3/4		3/4	4,153.34	3/4	3,887.09	3/4	3,601.30	3/4	3,293.91	3/4	2,967.36	3/4	2,636.43	3/4	2,305.50	3/4	1,974.57	3/4	1,643.64
5		5	4,146.89	5	3,881.33	5	3,595.08	5	3,287.28	5	2,960.47	5	2,629.54	5	2,298.61	5	1,967.68	5	1,636.74
1/4		1/4	4,140.43	1/4	3,875.57	1/4	3,588.87	1/4	3,280.65	1/4	2,953.57	1/4	2,622.64	1/4	2,291.71	1/4	1,960.78	1/4	1,629.85
1/2		1/2	4,133.98	1/2	3,869.82	1/2	3,582.66	1/2	3,274.01	1/2	2,946.68	1/2	2,615.75	1/2	2,284.82	1/2	1,953.89	1/2	1,622.96
3/4		3/4	4,127.52	3/4	3,864.06	3/4	3,576.44	3/4	3,267.38	3/4	2,939.79	3/4	2,608.85	3/4	2,277.92	3/4	1,946.99	3/4	1,616.06
6		6	4,121.07	6	3,858.27	6	3,570.19	6	3,260.71	6	2,932.89	6	2,601.96	6	2,271.03	6	1,940.10	6	1,609.17
1/4		1/4	4,114.61	1/4	3,852.49	1/4	3,563.93	1/4	3,254.03	1/4	2,926.00	1/4	2,595.07	1/4	2,264.13	1/4	1,933.20	1/4	1,602.27
1/2		1/2	4,108.16	1/2	3,846.71	1/2	3,557.68	1/2	3,247.36	1/2	2,919.10	1/2	2,588.17	1/2	2,257.24	1/2	1,926.31	1/2	1,595.38
3/4		3/4	4,101.70	3/4	3,840.93	3/4	3,551.42	3/4	3,240.69	3/4	2,912.21	3/4	2,581.28	3/4	2,250.35	3/4	1,919.41	3/4	1,588.48
7		7	4,096.69	7	3,835.11	7	3,545.13	7	3,233.98	7	2,905.31	7	2,574.38	7	2,243.45	7	1,912.52	7	1,581.59
1/4		1/4	4,091.69	1/4	3,829.29	1/4	3,538.85	1/4	3,227.28	1/4	2,898.42	1/4	2,567.49	1/4	2,236.56	1/4	1,905.63	1/4	1,574.69
1/2		1/2	4,086.68	1/2	3,823.47	1/2	3,532.57	1/2	3,220.58	1/2	2,891.52	1/2	2,560.59	1/2	2,229.66	1/2	1,898.73	1/2	1,567.80
3/4		3/4	4,081.67	3/4	3,817.65	3/4	3,526.28	3/4	3,213.87	3/4	2,884.63	3/4	2,553.70	3/4	2,222.77	3/4	1,891.84	3/4	1,560.91
8		8	4,076.64	8	3,811.79	8	3,519.97	8	3,207.12	8	2,877.74	8	2,546.80	8	2,215.87	8	1,884.94	8	1,554.01
1/4		1/4	4,071.60	1/4	3,805.94	1/4	3,513.65	1/4	3,200.38	1/4	2,870.84	1/4	2,539.91	1/4	2,208.98	1/4	1,878.05	1/4	1,547.12
1/2		1/2	4,066.56	1/2	3,800.09	1/2	3,507.33	1/2	3,193.63	1/2	2,863.95	1/2	2,533.02	1/2	2,202.08	1/2	1,871.15	1/2	1,540.22
3/4		3/4	4,061.52	3/4	3,794.24	3/4	3,501.02	3/4	3,186.88	3/4	2,857.05	3/4	2,526.12	3/4	2,195.19	3/4	1,864.26	3/4	1,533.33
9		9	4,056.44	9	3,788.34	9	3,494.66	9	3,180.11	9	2,850.16	9	2,519.23	9	2,188.30	9	1,857.36	9	1,526.43
1/4		1/4	4,051.36	1/4	3,782.45	1/4	3,488.31	1/4	3,173.33	1/4	2,843.26	1/4	2,512.33	1/4	2,181.40	1/4	1,850.47	1/4	1,519.54
1/2		1/2	4,046.28	1/2	3,776.56	1/2	3,481.95	1/2	3,166.56	1/2	2,836.37	1/2	2,505.44	1/2	2,174.51	1/2	1,843.58	1/2	1,512.64
3/4		3/4	4,041.20	3/4	3,770.66	3/4	3,475.59	3/4	3,159.78	3/4	2,829.48	3/4	2,498.54	3/4	2,167.61	3/4	1,836.68	3/4	1,505.75
10		10	4,036.09	10	3,764.74	10	3,469.22	10	3,152.97	10	2,822.58	10	2,491.65	10	2,160.72	10	1,829.79	10	1,498.86
1/4		1/4	4,030.98	1/4	3,758.82	1/4	3,462.84	1/4	3,146.17	1/4	2,815.69	1/4	2,484.76	1/4	2,153.82	1/4	1,822.89	1/4	1,491.96
1/2		1/2	4,025.88	1/2	3,752.89	1/2	3,456.46	1/2	3,139.36	1/2	2,808.79	1/2	2,477.86	1/2	2,146.93	1/2	1,816.00	1/2	1,485.07
3/4		3/4	4,020.77	3/4	3,746.97	3/4	3,450.08	3/4	3,132.55	3/4	2,801.90	3/4	2,470.97	3/4	2,140.04	3/4	1,809.10	3/4	1,478.17
11		11	4,015.63	11	3,740.99	11	3,443.66	11	3,125.71	11	2,795.00	11	2,464.07	11	2,133.14	11	1,802.21	11	1,471.28
1/4		1/4	4,010.49	1/4	3,735.01	1/4	3,437.25	1/4	3,118.86	1/4	2,788.11	1/4	2,457.18	1/4	2,126.25	1/4	1,795.32	1/4	1,464.38
1/2		1/2	4,005.35	1/2	3,729.04	1/2	3,430.83	1/2	3,112.01	1/2	2,781.21	1/2	2,450.28	1/2	2,119.35	1/2	1,788.42	1/2	1,457.49
3/4		3/4	4,276.10	3/4	4,000.20	3/4	3,723.06	3/4	3,424.41	3/4	3,105.17	3/4	2,774.32	3/4	2,443.39	3/4	2,112.46	3/4	1,781.53

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 TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "EMS 371"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,443.70	0	1,113.98	0	799.85	0	505.38	0	230.48	0		0		0		0		0	
1/4	1,436.81	1/4	1,107.24	1/4	793.51	1/4	499.48	1/4	224.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,429.91	1/2	1,100.50	1/2	787.17	1/2	493.58	1/2	219.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,423.02	3/4	1,093.75	3/4	780.83	3/4	487.67	3/4	213.93	3/4		3/4		3/4		3/4		3/4	
1	1,416.12	1	1,087.05	1	774.54	1	481.80	1	208.44	1		1		1		1		1	
1/4	1,409.23	1/4	1,080.34	1/4	768.25	1/4	475.92	1/4	202.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,402.33	1/2	1,073.63	1/2	761.96	1/2	470.05	1/2	197.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,395.44	3/4	1,066.92	3/4	755.67	3/4	464.18	3/4	191.98	3/4		3/4		3/4		3/4		3/4	
2	1,388.55	2	1,060.25	2	749.40	2	458.33	2	186.52	2		2		2		2		2	
1/4	1,381.65	1/4	1,053.59	1/4	743.14	1/4	452.49	1/4	181.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,374.76	1/2	1,046.92	1/2	736.88	1/2	446.64	1/2	175.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,367.86	3/4	1,040.26	3/4	730.61	3/4	440.80	3/4	170.14	3/4		3/4		3/4		3/4		3/4	
3	1,360.97	3	1,033.62	3	724.38	3	434.98	3	164.72	3		3		3		3		3	
1/4	1,354.07	1/4	1,026.99	1/4	718.15	1/4	429.17	1/4	159.29	1/4		1/4		1/4		1/4		1/4	
1/2	1,347.18	1/2	1,020.35	1/2	711.91	1/2	423.36	1/2	153.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,340.28	3/4	1,013.72	3/4	705.68	3/4	417.54	3/4	148.44	3/4		3/4		3/4		3/4		3/4	
4	1,333.39	4	1,007.11	4	699.48	4	411.76	4	143.05	4		4		4		4		4	
1/4	1,326.50	1/4	1,000.50	1/4	693.28	1/4	405.98	1/4	137.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,319.60	1/2	993.90	1/2	687.07	1/2	400.20	1/2	132.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,312.71	3/4	987.29	3/4	680.87	3/4	394.42	3/4	126.88	3/4		3/4		3/4		3/4		3/4	
5	1,305.81	5	980.72	5	674.71	5	388.66	5	121.53	5		5		5		5		5	
1/4	1,298.92	1/4	974.15	1/4	668.54	1/4	382.91	1/4	116.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,292.02	1/2	967.58	1/2	662.37	1/2	377.16	1/2	110.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,285.13	3/4	961.00	3/4	656.20	3/4	371.40	3/4	105.49	3/4		3/4		3/4		3/4		3/4	
6	1,278.24	6	954.46	6	650.07	6	365.68	6	100.18	6		6		6		6		6	
1/4	1,271.34	1/4	947.93	1/4	643.93	1/4	359.96	1/4	94.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,264.45	1/2	941.39	1/2	637.80	1/2	354.25	1/2	89.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,257.55	3/4	934.85	3/4	631.66	3/4	348.53	3/4	84.23	3/4		3/4		3/4		3/4		3/4	
7	1,250.66	7	928.35	7	625.57	7	342.84	7	78.94	7		7		7		7		7	
1/4	1,243.76	1/4	921.86	1/4	619.48	1/4	337.15	1/4	73.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,236.87	1/2	915.37	1/2	613.39	1/2	331.46	1/2	68.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,229.97	3/4	908.88	3/4	607.30	3/4	325.77	3/4	63.08	3/4		3/4		3/4		3/4		3/4	
8	1,223.08	8	902.41	8	601.24	8	320.11	8	57.82	8		8		8		8		8	
1/4	1,216.19	1/4	895.95	1/4	595.19	1/4	314.45	1/4	52.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,209.29	1/2	889.48	1/2	589.14	1/2	308.79	1/2	47.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,202.40	3/4	883.02	3/4	583.08	3/4	303.13	3/4	42.05	3/4		3/4		3/4		3/4		3/4	
9	1,195.56	9	876.58	9	577.07	9	297.50	9	37.69	9		9		9		9		9	
1/4	1,188.72	1/4	870.15	1/4	571.05	1/4	291.88	1/4	33.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,181.89	1/2	863.71	1/2	565.03	1/2	286.25	1/2	28.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,175.05	3/4	857.28	3/4	559.02	3/4	280.62	3/4	24.61	3/4		3/4		3/4		3/4		3/4	
10	1,168.24	10	850.87	10	553.03	10	275.03	10	22.00	10		10		10		10		10	
1/4	1,161.43	1/4	844.47	1/4	547.05	1/4	269.43	1/4	19.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,154.63	1/2	838.07	1/2	541.07	1/2	263.84	1/2	16.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,147.82	3/4	831.66	3/4	535.09	3/4	258.24	3/4	14.19	3/4		3/4		3/4		3/4		3/4	
11	1,141.04	11	825.29	11	529.14	11	252.68	11		11		11		11		11		11	
1/4	1,134.27	1/4	818.92	1/4	523.19	1/4	247.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,127.50	1/2	812.55	1/2	517.24	1/2	241.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,120.72	3/4	806.18	3/4	511.29	3/4	236.00	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2009 CL - SW
CALCULATED: 04/15/2009 CL
PRINTED: 04/15/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2009

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



BARGE "EMS 371"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,886.08	0	1,497.79	0	1,109.51	0	727.28	0	348.23	0		0		0		0		0	
1/4	1,877.99	1/4	1,489.70	1/4	1,101.42	1/4	719.52	1/4	340.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,869.90	1/2	1,481.61	1/2	1,093.33	1/2	711.75	1/2	332.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,861.81	3/4	1,473.53	3/4	1,085.24	3/4	703.98	3/4	323.96	3/4		3/4		3/4		3/4		3/4	
1	1,853.72	1	1,465.44	1	1,077.15	1	696.22	1	315.87	1		1		1		1		1	
1/4	1,845.63	1/4	1,457.35	1/4	1,069.06	1/4	688.45	1/4	307.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,837.54	1/2	1,449.26	1/2	1,060.97	1/2	680.68	1/2	299.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,829.45	3/4	1,441.17	3/4	1,052.88	3/4	672.92	3/4	291.61	3/4		3/4		3/4		3/4		3/4	
2	1,821.37	2	1,433.08	2	1,044.79	2	665.15	2	283.52	2		2		2		2		2	
1/4	1,813.28	1/4	1,424.99	1/4	1,036.70	1/4	657.39	1/4	275.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,805.19	1/2	1,416.90	1/2	1,028.61	1/2	649.62	1/2	267.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,797.10	3/4	1,408.81	3/4	1,020.52	3/4	641.85	3/4	259.25	3/4		3/4		3/4		3/4		3/4	
3	1,789.01	3	1,400.72	3	1,012.44	3	634.09	3	251.16	3		3		3		3		3	
1/4	1,780.92	1/4	1,392.63	1/4	1,004.35	1/4	626.32	1/4	243.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,772.83	1/2	1,384.54	1/2	996.26	1/2	618.55	1/2	234.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,764.74	3/4	1,376.45	3/4	988.17	3/4	610.79	3/4	226.90	3/4		3/4		3/4		3/4		3/4	
4	1,756.65	4	1,368.36	4	980.08	4	603.02	4	218.81	4		4		4		4		4	
1/4	1,748.56	1/4	1,360.28	1/4	971.99	1/4	595.25	1/4	210.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,740.47	1/2	1,352.19	1/2	963.90	1/2	587.48	1/2	202.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,732.38	3/4	1,344.10	3/4	955.81	3/4	579.72	3/4	194.54	3/4		3/4		3/4		3/4		3/4	
5	1,724.29	5	1,336.01	5	947.72	5	947.72	5	186.45	5		5		5		5		5	
1/4	1,716.20	1/4	1,327.92	1/4	939.63	1/4	564.17	1/4	178.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,708.12	1/2	1,319.83	1/2	931.54	1/2	556.40	1/2	170.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,700.03	3/4	1,311.74	3/4	923.45	3/4	548.62	3/4	162.18	3/4		3/4		3/4		3/4		3/4	
6	1,691.94	6	1,303.65	6	915.36	6	540.84	6	154.09	6		6		6		6		6	
1/4	1,683.85	1/4	1,295.56	1/4	907.27	1/4	533.06	1/4	146.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,675.76	1/2	1,287.47	1/2	899.19	1/2	525.27	1/2	137.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,667.67	3/4	1,279.38	3/4	891.10	3/4	517.49	3/4	129.83	3/4		3/4		3/4		3/4		3/4	
7	1,659.58	7	1,271.29	7	883.16	7	509.56	7	121.74	7		7		7		7		7	
1/4	1,651.49	1/4	1,263.20	1/4	875.22	1/4	501.62	1/4	113.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,643.40	1/2	1,255.11	1/2	867.29	1/2	493.68	1/2	105.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,635.31	3/4	1,247.03	3/4	859.35	3/4	485.74	3/4	97.47	3/4		3/4		3/4		3/4		3/4	
8	1,627.22	8	1,238.94	8	851.58	8	477.65	8	89.38	8		8		8		8		8	
1/4	1,619.13	1/4	1,230.85	1/4	843.80	1/4	469.57	1/4	81.29	1/4		1/4		1/4		1/4		1/4	
1/2	1,611.04	1/2	1,222.76	1/2	836.03	1/2	461.48	1/2	73.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,602.95	3/4	1,214.67	3/4	828.25	3/4	453.39	3/4	65.12	3/4		3/4		3/4		3/4		3/4	
9	1,594.86	9	1,206.58	9	820.49	9	445.30	9	58.04	9		9		9		9		9	
1/4	1,586.78	1/4	1,198.49	1/4	812.72	1/4	437.21	1/4	50.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,578.69	1/2	1,190.40	1/2	804.95	1/2	429.12	1/2	43.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,570.60	3/4	1,182.31	3/4	797.19	3/4	421.03	3/4	36.80	3/4		3/4		3/4		3/4		3/4	
10	1,562.51	10	1,174.22	10	789.42	10	412.94	10	31.74	10		10		10		10		10	
1/4	1,554.42	1/4	1,166.13	1/4	781.65	1/4	404.85	1/4	26.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,546.33	1/2	1,158.04	1/2	773.89	1/2	396.76	1/2	21.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,538.24	3/4	1,149.95	3/4	766.12	3/4	388.68	3/4	16.58	3/4		3/4		3/4		3/4		3/4	
11	1,530.15	11	1,141.86	11	758.35	11	380.59	11		11		11		11		11		11	
1/4	1,522.06	1/4	1,133.77	1/4	750.58	1/4	372.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,513.97	1/2	1,125.69	1/2	742.82	1/2	364.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,505.88	3/4	1,117.60	3/4	735.05	3/4	356.32	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2009 CL - SW
CALCULATED: 04/15/2009 CL
PRINTED: 04/15/2009 CL

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ALL PRIOR TO 04/2009

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "EMS 371"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	5,215.59	0	4,891.11	0	4,565.64	0	4,214.90	0	3,840.03	0	3,452.01	0	3,063.94	0	2,675.87	0	2,287.80
1/4		1/4	5,210.00	1/4	4,884.57	1/4	4,558.60	1/4	4,207.34	1/4	3,831.96	1/4	3,443.93	1/4	3,055.86	1/4	2,667.79	1/4	2,279.71
1/2		1/2	5,204.41	1/2	4,878.02	1/2	4,551.56	1/2	4,199.78	1/2	3,823.90	1/2	3,435.84	1/2	3,047.77	1/2	2,659.70	1/2	2,271.63
3/4		3/4	5,198.83	3/4	4,871.47	3/4	4,544.52	3/4	4,192.22	3/4	3,815.83	3/4	3,427.76	3/4	3,039.69	3/4	2,651.62	3/4	2,263.55
1		1	5,191.22	1	4,864.88	1	4,537.44	1	4,184.60	1	3,807.74	1	3,419.67	1	3,031.60	1	2,643.53	1	2,255.46
1/4		1/4	5,183.61	1/4	4,858.30	1/4	4,530.36	1/4	4,176.99	1/4	3,799.66	1/4	3,411.59	1/4	3,023.52	1/4	2,635.45	1/4	2,247.38
1/2		1/2	5,176.00	1/2	4,851.71	1/2	4,523.29	1/2	4,169.38	1/2	3,791.57	1/2	3,403.50	1/2	3,015.43	1/2	2,627.36	1/2	2,239.29
3/4		3/4	5,168.39	3/4	4,845.12	3/4	4,516.21	3/4	4,161.76	3/4	3,783.49	3/4	3,395.42	3/4	3,007.35	3/4	2,619.28	3/4	2,231.21
2		2	5,160.78	2	4,838.49	2	4,509.08	2	4,154.12	2	3,775.40	2	3,387.33	2	2,999.26	2	2,611.19	2	2,223.12
1/4		1/4	5,153.17	1/4	4,831.86	1/4	4,501.96	1/4	4,146.47	1/4	3,767.32	1/4	3,379.25	1/4	2,991.18	1/4	2,603.11	1/4	2,215.04
1/2		1/2	5,145.56	1/2	4,825.22	1/2	4,494.83	1/2	4,138.83	1/2	3,759.23	1/2	3,371.16	1/2	2,983.09	1/2	2,595.02	1/2	2,206.95
3/4		3/4	5,137.95	3/4	4,818.59	3/4	4,487.71	3/4	4,131.18	3/4	3,751.15	3/4	3,363.08	3/4	2,975.01	3/4	2,586.94	3/4	2,198.87
3		3	5,130.34	3	4,811.92	3	4,480.51	3	4,123.48	3	3,743.06	3	3,354.99	3	2,966.92	3	2,578.85	3	2,190.78
1/4		1/4	5,122.73	1/4	4,805.25	1/4	4,473.30	1/4	4,115.79	1/4	3,734.98	1/4	3,346.91	1/4	2,958.84	1/4	2,570.77	1/4	2,182.70
1/2		1/2	5,115.12	1/2	4,798.58	1/2	4,466.10	1/2	4,108.10	1/2	3,726.89	1/2	3,338.82	1/2	2,950.75	1/2	2,562.68	1/2	2,174.61
3/4		3/4	5,107.51	3/4	4,791.91	3/4	4,458.90	3/4	4,100.40	3/4	3,718.81	3/4	3,330.74	3/4	2,942.67	3/4	2,554.60	3/4	2,166.53
4		4	5,099.94	4	4,785.19	4	4,451.65	4	4,092.66	4	3,710.72	4	3,322.65	4	2,934.58	4	2,546.51	4	2,158.44
1/4		1/4	5,092.37	1/4	4,778.47	1/4	4,444.40	1/4	4,084.92	1/4	3,702.64	1/4	3,314.57	1/4	2,926.50	1/4	2,538.43	1/4	2,150.36
1/2		1/2	5,084.80	1/2	4,771.75	1/2	4,437.15	1/2	4,077.18	1/2	3,694.55	1/2	3,306.48	1/2	2,918.41	1/2	2,530.34	1/2	2,142.27
3/4		3/4	5,077.23	3/4	4,765.03	3/4	4,429.90	3/4	4,069.44	3/4	3,686.47	3/4	3,298.40	3/4	2,910.33	3/4	2,522.26	3/4	2,134.19
5		5	5,069.66	5	4,758.28	5	4,422.61	5	4,061.66	5	3,678.39	5	3,290.31	5	2,902.24	5	2,514.17	5	2,126.10
1/4		1/4	5,062.09	1/4	4,751.52	1/4	4,415.33	1/4	4,053.88	1/4	3,670.30	1/4	3,282.23	1/4	2,894.16	1/4	2,506.09	1/4	2,118.02
1/2		1/2	5,054.52	1/2	4,744.77	1/2	4,408.04	1/2	4,046.10	1/2	3,662.22	1/2	3,274.15	1/2	2,886.07	1/2	2,498.00	1/2	2,109.93
3/4		3/4	5,046.95	3/4	4,738.02	3/4	4,400.75	3/4	4,038.32	3/4	3,654.13	3/4	3,266.06	3/4	2,877.99	3/4	2,489.92	3/4	2,101.85
6		6	5,039.38	6	4,731.24	6	4,393.42	6	4,030.50	6	3,646.05	6	3,257.98	6	2,869.91	6	2,481.83	6	2,093.76
1/4		1/4	5,031.82	1/4	4,724.46	1/4	4,386.08	1/4	4,022.67	1/4	3,637.96	1/4	3,249.89	1/4	2,861.82	1/4	2,473.75	1/4	2,085.68
1/2		1/2	5,024.25	1/2	4,717.68	1/2	4,378.75	1/2	4,014.85	1/2	3,629.88	1/2	3,241.81	1/2	2,853.74	1/2	2,465.67	1/2	2,077.59
3/4		3/4	5,016.68	3/4	4,710.90	3/4	4,371.41	3/4	4,007.02	3/4	3,621.79	3/4	3,233.72	3/4	2,845.65	3/4	2,457.58	3/4	2,069.51
7		7	5,010.81	7	4,704.07	7	4,364.04	7	3,999.16	7	3,613.71	7	3,225.64	7	2,837.57	7	2,449.50	7	2,061.43
1/4		1/4	5,004.94	1/4	4,697.25	1/4	4,356.67	1/4	3,991.30	1/4	3,605.62	1/4	3,217.55	1/4	2,829.48	1/4	2,441.41	1/4	2,053.34
1/2		1/2	4,999.06	1/2	4,690.42	1/2	4,349.30	1/2	3,983.44	1/2	3,597.54	1/2	3,209.47	1/2	2,821.40	1/2	2,433.33	1/2	2,045.26
3/4		3/4	4,993.19	3/4	4,683.60	3/4	4,341.93	3/4	3,975.57	3/4	3,589.45	3/4	3,201.38	3/4	2,813.31	3/4	2,425.24	3/4	2,037.17
8		8	4,987.29	8	4,676.73	8	4,334.52	8	3,967.66	8	3,581.37	8	3,193.30	8	2,805.23	8	2,417.16	8	2,029.09
1/4		1/4	4,981.38	1/4	4,669.87	1/4	4,327.12	1/4	3,959.75	1/4	3,573.28	1/4	3,185.21	1/4	2,797.14	1/4	2,409.07	1/4	2,021.00
1/2		1/2	4,975.47	1/2	4,663.01	1/2	4,319.71	1/2	3,951.84	1/2	3,565.20	1/2	3,177.13	1/2	2,789.06	1/2	2,400.99	1/2	2,012.92
3/4		3/4	4,969.57	3/4	4,656.14	3/4	4,312.30	3/4	3,943.93	3/4	3,557.11	3/4	3,169.04	3/4	2,780.97	3/4	2,392.90	3/4	2,004.83
9		9	4,963.61	9	4,649.23	9	4,304.85	9	3,935.98	9	3,549.03	9	3,160.96	9	2,772.89	9	2,384.82	9	1,996.75
1/4		1/4	4,957.65	1/4	4,642.32	1/4	4,297.40	1/4	3,928.04	1/4	3,540.94	1/4	3,152.87	1/4	2,764.80	1/4	2,376.73	1/4	1,988.66
1/2		1/2	4,951.69	1/2	4,635.41	1/2	4,289.94	1/2	3,920.09	1/2	3,532.86	1/2	3,144.79	1/2	2,756.72	1/2	2,368.65	1/2	1,980.58
3/4		3/4	4,945.74	3/4	4,628.50	3/4	4,282.49	3/4	3,912.14	3/4	3,524.77	3/4	3,136.70	3/4	2,748.63	3/4	2,360.56	3/4	1,972.49
10		10	4,939.75	10	4,621.56	10	4,275.01	10	3,904.16	10	3,516.69	10	3,128.62	10	2,740.55	10	2,352.48	10	1,964.41
1/4		1/4	4,933.76	1/4	4,614.61	1/4	4,267.53	1/4	3,896.18	1/4	3,508.60	1/4	3,120.53	1/4	2,732.46	1/4	2,344.39	1/4	1,956.32
1/2		1/2	4,927.77	1/2	4,607.66	1/2	4,260.05	1/2	3,888.20	1/2	3,500.52	1/2	3,112.45	1/2	2,724.38	1/2	2,336.31	1/2	1,948.24
3/4		3/4	4,921.78	3/4	4,600.72	3/4	4,252.57	3/4	3,880.21	3/4	3,492.43	3/4	3,104.36	3/4	2,716.29	3/4	2,328.22	3/4	1,940.15
11		11	4,915.75	11	4,593.71	11	4,245.05	11	3,872.19	11	3,484.35	11	3,096.28	11	2,708.21	11	2,320.14	11	1,932.07
1/4		1/4	4,909.72	1/4	4,586.70	1/4	4,237.52	1/4	3,864.16	1/4	3,476.27	1/4	3,088.19	1/4	2,700.12	1/4	2,312.05	1/4	1,923.98
1/2		1/2	4,903.69	1/2	4,579.69	1/2	4,229.99	1/2	3,856.13	1/2	3,468.18	1/2	3,080.11	1/2	2,692.04	1/2	2,303.97	1/2	1,915.90
3/4		3/4	5,221.18	3/4	4,897.66	3/4	4,572.69	3/4	4,222.47	3/4	3,848.10	3/4	3,460.10	3/4	3,072.03	3/4	2,683.95	3/4	1,907.81

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 TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" 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 371"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,899.73	0	1,511.66	0	1,123.59	0	735.76	0	348.04	0		0		0		0		0	
1/4	1,891.64	1/4	1,503.57	1/4	1,115.50	1/4	727.69	1/4	339.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,883.56	1/2	1,495.49	1/2	1,107.42	1/2	719.62	1/2	331.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,875.47	3/4	1,487.40	3/4	1,099.33	3/4	711.55	3/4	323.78	3/4		3/4		3/4		3/4		3/4	
1	1,867.39	1	1,479.32	1	1,091.25	1	703.48	1	315.70	1		1		1		1		1	
1/4	1,859.31	1/4	1,471.23	1/4	1,083.16	1/4	695.42	1/4	307.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,851.22	1/2	1,463.15	1/2	1,075.08	1/2	687.35	1/2	299.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,843.14	3/4	1,455.07	3/4	1,066.99	3/4	679.28	3/4	291.45	3/4		3/4		3/4		3/4		3/4	
2	1,835.05	2	1,446.98	2	1,058.91	2	671.21	2	283.36	2		2		2		2		2	
1/4	1,826.97	1/4	1,438.90	1/4	1,050.83	1/4	663.14	1/4	275.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,818.88	1/2	1,430.81	1/2	1,042.74	1/2	655.08	1/2	267.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,810.80	3/4	1,422.73	3/4	1,034.66	3/4	647.01	3/4	259.11	3/4		3/4		3/4		3/4		3/4	
3	1,802.71	3	1,414.64	3	1,026.57	3	638.94	3	251.02	3		3		3		3		3	
1/4	1,794.63	1/4	1,406.56	1/4	1,018.49	1/4	630.87	1/4	242.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,786.54	1/2	1,398.47	1/2	1,010.40	1/2	622.80	1/2	234.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,778.46	3/4	1,390.39	3/4	1,002.32	3/4	614.73	3/4	226.77	3/4		3/4		3/4		3/4		3/4	
4	1,770.37	4	1,382.30	4	994.23	4	606.66	4	218.68	4		4		4		4		4	
1/4	1,762.29	1/4	1,374.22	1/4	986.15	1/4	598.59	1/4	210.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,754.20	1/2	1,366.13	1/2	978.06	1/2	590.53	1/2	202.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,746.12	3/4	1,358.05	3/4	969.98	3/4	582.46	3/4	194.43	3/4		3/4		3/4		3/4		3/4	
5	1,738.03	5	1,349.96	5	961.89	5	574.38	5	186.35	5		5		5		5		5	
1/4	1,729.95	1/4	1,341.88	1/4	953.81	1/4	566.30	1/4	178.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,721.86	1/2	1,333.79	1/2	945.72	1/2	558.23	1/2	170.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,713.78	3/4	1,325.71	3/4	937.64	3/4	550.15	3/4	162.09	3/4		3/4		3/4		3/4		3/4	
6	1,705.69	6	1,317.62	6	929.55	6	542.06	6	154.01	6		6		6		6		6	
1/4	1,697.61	1/4	1,309.54	1/4	921.47	1/4	533.98	1/4	145.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,689.52	1/2	1,301.45	1/2	913.38	1/2	525.90	1/2	137.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,681.44	3/4	1,293.37	3/4	905.30	3/4	517.81	3/4	129.76	3/4		3/4		3/4		3/4		3/4	
7	1,673.35	7	1,285.28	7	897.21	7	509.73	7	121.67	7		7		7		7		7	
1/4	1,665.27	1/4	1,277.20	1/4	889.13	1/4	501.64	1/4	113.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,657.19	1/2	1,269.11	1/2	881.04	1/2	493.56	1/2	105.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,649.10	3/4	1,261.03	3/4	872.96	3/4	485.47	3/4	97.42	3/4		3/4		3/4		3/4		3/4	
8	1,641.02	8	1,252.95	8	864.88	8	477.39	8	89.33	8		8		8		8		8	
1/4	1,632.93	1/4	1,244.86	1/4	856.81	1/4	469.30	1/4	81.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,624.85	1/2	1,236.78	1/2	848.73	1/2	461.22	1/2	73.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,616.76	3/4	1,228.69	3/4	840.66	3/4	453.14	3/4	65.08	3/4		3/4		3/4		3/4		3/4	
9	1,608.68	9	1,220.61	9	832.59	9	445.05	9	58.00	9		9		9		9		9	
1/4	1,600.59	1/4	1,212.52	1/4	824.52	1/4	436.97	1/4	50.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,592.51	1/2	1,204.44	1/2	816.45	1/2	428.88	1/2	43.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,584.42	3/4	1,196.35	3/4	808.38	3/4	420.80	3/4	36.78	3/4		3/4		3/4		3/4		3/4	
10	1,576.34	10	1,188.27	10	800.31	10	412.71	10	31.73	10		10		10		10		10	
1/4	1,568.25	1/4	1,180.18	1/4	792.24	1/4	404.63	1/4	26.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,560.17	1/2	1,172.10	1/2	784.17	1/2	396.54	1/2	21.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,552.08	3/4	1,164.01	3/4	776.10	3/4	388.46	3/4	16.57	3/4		3/4		3/4		3/4		3/4	
11	1,544.00	11	1,155.93	11	768.03	11	380.37	11		11		11		11		11		11	
1/4	1,535.91	1/4	1,147.84	1/4	759.97	1/4	372.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,527.83	1/2	1,139.76	1/2	751.90	1/2	364.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,519.74	3/4	1,131.67	3/4	743.83	3/4	356.12	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2009 CL - SW
CALCULATED: 04/15/2009 CL
PRINTED: 04/15/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2009

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



BARGE "EMS 371"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,758.27	0	1,398.48	0	1,038.04	0	682.77	0	331.05	0		0		0		0		0	
1/4	1,750.78	1/4	1,390.98	1/4	1,030.53	1/4	675.56	1/4	323.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,743.30	1/2	1,383.47	1/2	1,023.02	1/2	668.35	1/2	316.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,735.81	3/4	1,375.96	3/4	1,015.52	3/4	661.13	3/4	308.51	3/4		3/4		3/4		3/4		3/4	
1	1,728.32	1	1,368.45	1	1,008.01	1	653.92	1	300.99	1		1		1		1		1	
1/4	1,720.83	1/4	1,360.94	1/4	1,000.50	1/4	646.71	1/4	293.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,713.34	1/2	1,353.43	1/2	992.99	1/2	639.50	1/2	285.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,705.85	3/4	1,345.92	3/4	985.48	3/4	632.29	3/4	278.45	3/4		3/4		3/4		3/4		3/4	
2	1,698.36	2	1,338.41	2	977.97	2	625.07	2	270.93	2		2		2		2		2	
1/4	1,690.87	1/4	1,330.90	1/4	970.46	1/4	617.86	1/4	263.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,683.39	1/2	1,323.39	1/2	962.95	1/2	610.65	1/2	255.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,675.90	3/4	1,315.88	3/4	955.44	3/4	603.44	3/4	248.39	3/4		3/4		3/4		3/4		3/4	
3	1,668.41	3	1,308.37	3	947.93	3	596.23	3	240.87	3		3		3		3		3	
1/4	1,660.92	1/4	1,300.86	1/4	940.42	1/4	589.02	1/4	233.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,653.43	1/2	1,293.36	1/2	932.91	1/2	581.80	1/2	225.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,645.94	3/4	1,285.85	3/4	925.40	3/4	574.59	3/4	218.33	3/4		3/4		3/4		3/4		3/4	
4	1,638.45	4	1,278.34	4	917.90	4	567.38	4	210.81	4		4		4		4		4	
1/4	1,630.96	1/4	1,270.83	1/4	910.39	1/4	560.17	1/4	203.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,623.47	1/2	1,263.32	1/2	902.88	1/2	552.95	1/2	195.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,615.99	3/4	1,255.81	3/4	895.37	3/4	545.74	3/4	188.27	3/4		3/4		3/4		3/4		3/4	
5	1,608.50	5	1,248.30	5	887.86	5	538.53	5	180.76	5		5		5		5		5	
1/4	1,601.01	1/4	1,240.79	1/4	880.35	1/4	531.31	1/4	173.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,593.52	1/2	1,233.28	1/2	872.84	1/2	524.09	1/2	165.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,586.03	3/4	1,225.77	3/4	865.33	3/4	516.87	3/4	158.21	3/4		3/4		3/4		3/4		3/4	
6	1,578.54	6	1,218.26	6	857.82	6	509.65	6	150.70	6		6		6		6		6	
1/4	1,571.05	1/4	1,210.75	1/4	850.31	1/4	502.42	1/4	143.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,563.56	1/2	1,203.25	1/2	842.80	1/2	495.20	1/2	135.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,556.08	3/4	1,195.74	3/4	835.29	3/4	487.97	3/4	128.15	3/4		3/4		3/4		3/4		3/4	
7	1,548.59	7	1,188.23	7	827.79	7	480.74	7	120.64	7		7		7		7		7	
1/4	1,541.10	1/4	1,180.72	1/4	820.41	1/4	473.38	1/4	113.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,533.61	1/2	1,173.21	1/2	813.04	1/2	466.01	1/2	105.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,526.12	3/4	1,165.70	3/4	805.66	3/4	458.65	3/4	98.09	3/4		3/4		3/4		3/4		3/4	
8	1,518.63	8	1,158.19	8	798.29	8	451.28	8	90.58	8		8		8		8		8	
1/4	1,511.12	1/4	1,150.68	1/4	791.06	1/4	443.77	1/4	83.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,503.61	1/2	1,143.17	1/2	783.83	1/2	436.26	1/2	75.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,496.10	3/4	1,135.66	3/4	776.60	3/4	428.74	3/4	68.03	3/4		3/4		3/4		3/4		3/4	
9	1,488.59	9	1,128.15	9	769.36	9	421.23	9	60.52	9		9		9		9		9	
1/4	1,481.09	1/4	1,120.64	1/4	762.14	1/4	413.71	1/4	53.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,473.58	1/2	1,113.13	1/2	754.92	1/2	406.20	1/2	47.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,466.07	3/4	1,105.63	3/4	747.69	3/4	398.68	3/4	40.79	3/4		3/4		3/4		3/4		3/4	
10	1,458.56	10	1,098.12	10	740.47	10	391.17	10	34.22	10		10		10		10		10	
1/4	1,451.05	1/4	1,090.61	1/4	733.26	1/4	383.65	1/4	29.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,443.54	1/2	1,083.10	1/2	726.04	1/2	376.14	1/2	24.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,436.03	3/4	1,075.59	3/4	718.83	3/4	368.62	3/4	20.13	3/4		3/4		3/4		3/4		3/4	
11	1,428.52	11	1,068.08	11	711.62	11	361.11	11	15.43	11		11		11		11		11	
1/4	1,421.01	1/4	1,060.57	1/4	704.41	1/4	353.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,413.50	1/2	1,053.06	1/2	697.20	1/2	346.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,405.99	3/4	1,045.55	3/4	689.98	3/4	338.56	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2009 CL - SW
CALCULATED: 04/15/2009 CL
PRINTED: 04/15/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2009

PRECISION MEASUREMENT
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BARGE "EMS 371"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,742.50	0	1,384.46	0	1,024.03	0	668.89	0	315.84	0		0		0		0		0	
1/4	1,735.05	1/4	1,376.95	1/4	1,016.52	1/4	661.65	1/4	308.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,727.60	1/2	1,369.44	1/2	1,009.01	1/2	654.40	1/2	300.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,720.14	3/4	1,361.94	3/4	1,001.50	3/4	647.16	3/4	293.31	3/4		3/4		3/4		3/4		3/4	
1	1,712.69	1	1,354.43	1	993.99	1	639.92	1	285.80	1		1		1		1		1	
1/4	1,705.24	1/4	1,346.92	1/4	986.49	1/4	632.68	1/4	278.29	1/4		1/4		1/4		1/4		1/4	
1/2	1,697.79	1/2	1,339.41	1/2	978.98	1/2	625.44	1/2	270.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,690.34	3/4	1,331.90	3/4	971.47	3/4	618.20	3/4	263.28	3/4		3/4		3/4		3/4		3/4	
2	1,682.88	2	1,324.39	2	963.96	2	610.96	2	255.77	2		2		2		2		2	
1/4	1,675.43	1/4	1,316.88	1/4	956.45	1/4	603.72	1/4	248.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,667.98	1/2	1,309.37	1/2	948.94	1/2	596.48	1/2	240.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,660.53	3/4	1,301.86	3/4	941.43	3/4	589.24	3/4	233.24	3/4		3/4		3/4		3/4		3/4	
3	1,653.08	3	1,294.35	3	933.92	3	582.00	3	225.73	3		3		3		3		3	
1/4	1,645.62	1/4	1,286.85	1/4	926.41	1/4	574.76	1/4	218.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,638.17	1/2	1,279.34	1/2	918.90	1/2	567.51	1/2	210.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,630.72	3/4	1,271.83	3/4	911.40	3/4	560.27	3/4	203.21	3/4		3/4		3/4		3/4		3/4	
4	1,623.27	4	1,264.32	4	903.89	4	553.03	4	195.70	4		4		4		4		4	
1/4	1,615.82	1/4	1,256.81	1/4	896.38	1/4	545.79	1/4	188.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,608.36	1/2	1,249.30	1/2	888.87	1/2	538.55	1/2	180.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,600.91	3/4	1,241.79	3/4	881.36	3/4	531.30	3/4	173.17	3/4		3/4		3/4		3/4		3/4	
5	1,593.46	5	1,234.28	5	873.85	5	524.05	5	165.66	5		5		5		5		5	
1/4	1,586.01	1/4	1,226.77	1/4	866.34	1/4	516.80	1/4	158.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,578.56	1/2	1,219.26	1/2	858.83	1/2	509.56	1/2	150.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,571.10	3/4	1,211.76	3/4	851.32	3/4	502.30	3/4	143.14	3/4		3/4		3/4		3/4		3/4	
6	1,563.65	6	1,204.25	6	843.81	6	495.04	6	135.63	6		6		6		6		6	
1/4	1,556.20	1/4	1,196.74	1/4	836.31	1/4	487.78	1/4	128.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,548.75	1/2	1,189.23	1/2	828.80	1/2	480.53	1/2	120.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,541.30	3/4	1,181.72	3/4	821.41	3/4	473.14	3/4	113.10	3/4		3/4		3/4		3/4		3/4	
7	1,533.84	7	1,174.21	7	814.03	7	465.76	7	105.59	7		7		7		7		7	
1/4	1,526.39	1/4	1,166.70	1/4	806.65	1/4	458.38	1/4	98.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,518.94	1/2	1,159.19	1/2	799.26	1/2	451.00	1/2	90.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,511.49	3/4	1,151.68	3/4	792.02	3/4	443.49	3/4	83.07	3/4		3/4		3/4		3/4		3/4	
8	1,504.04	8	1,144.17	8	784.77	8	435.98	8	75.56	8		8		8		8		8	
1/4	1,496.58	1/4	1,136.67	1/4	777.52	1/4	428.47	1/4	68.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,489.13	1/2	1,129.16	1/2	770.27	1/2	420.96	1/2	60.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,481.68	3/4	1,121.65	3/4	763.03	3/4	413.45	3/4	53.97	3/4		3/4		3/4		3/4		3/4	
9	1,474.23	9	1,114.14	9	755.79	9	405.94	9	47.40	9		9		9		9		9	
1/4	1,466.78	1/4	1,106.63	1/4	748.55	1/4	398.44	1/4	40.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,459.32	1/2	1,099.12	1/2	741.30	1/2	390.93	1/2	34.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,451.87	3/4	1,091.61	3/4	734.06	3/4	383.42	3/4	29.56	3/4		3/4		3/4		3/4		3/4	
10	1,444.42	10	1,084.10	10	726.82	10	375.91	10	24.86	10		10		10		10		10	
1/4	1,436.97	1/4	1,076.59	1/4	719.58	1/4	368.40	1/4	20.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,429.52	1/2	1,069.08	1/2	712.34	1/2	360.89	1/2	15.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,422.01	3/4	1,061.58	3/4	705.10	3/4	353.38	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,414.50	11	1,054.07	11	697.85	11	345.87	11		11		11		11		11		11	
1/4	1,406.99	1/4	1,046.56	1/4	690.61	1/4	338.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,399.48	1/2	1,039.05	1/2	683.37	1/2	330.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,391.97	3/4	1,031.54	3/4	676.13	3/4	323.35	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/14/2009 CL - SW
CALCULATED: 04/15/2009 CL
PRINTED: 04/15/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2009

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