BARGE "EMS 508"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 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
1 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
2 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
2 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4

(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 - 00-3/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 236'-06"

June 27, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net

BARGE "EMS 508"

1 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	10.40	0	263.63	0	556.17	0	877.31	0	1,217.45	0	1,569.06	0	1,900.85	0	2,242.25	0	2,583.84	0	2,925.42
1/4	13.72	1/4	269.44	1/4	562.60	1/4	884.31	1/4	1,224.56	1/4	1,566.16	1/4	1,907.77	1/4	2,249.37	1/4	2,590.96	1/4	2,932.54
1/2	17.04	1/2	275.26	1/2	569.03	1/2	891.31	1/2	1,231.66	1/2	1,573.26	1/2	1,914.89	1/2	2,256.48	1/2	2,598.07	1/2	2,939.66
3/4	20.36	3/4	281.07	3/4	575.46	3/4	898.30	3/4	1,238.80	3/4	1,580.40	3/4	1,922.00	3/4	2,263.60	3/4	2,605.19	3/4	2,946.77
1	23.68	1	286.88	1	581.88	1	905.30	1	1,245.91	1	1,587.51	1	1,929.12	1	2,270.72	1	2,612.30	1	2,953.89
1/4	26.34	1/4	292.76	1/4	589.36	1/4	912.34	1/4	1,253.03	1/4	1,594.63	1/4	1,936.24	1/4	2,277.83	1/4	2,619.42	1/4	2,961.01
1/2	33.00	1/2	298.61	1/2	594.83	1/2	919.38	1/2	1,260.15	1/2	1,601.75	1/2	1,943.35	1/2	2,284.95	1/2	2,626.54	1/2	2,968.12
3/4	37.66	3/4	304.47	3/4	601.31	3/4	926.42	3/4	1,267.26	3/4	1,608.86	3/4	1,950.47	3/4	2,292.06	3/4	2,633.65	3/4	2,975.24
2	42.32	2	310.34	2	607.79	2	933.47	2	1,274.38	2	1,615.98	2	1,957.59	2	2,299.18	2	2,640.77	2	2,982.36
1/4	47.62	1/4	316.26	1/4	614.32	1/4	940.53	1/4	1,281.50	1/4	1,623.10	1/4	1,964.70	1/4	2,306.30	1/4	2,647.88	1/4	2,989.47
1/2	52.92	1/2	322.17	1/2	620.85	1/2	947.60	1/2	1,288.61	1/2	1,630.21	1/2	1,971.82	1/2	2,313.41	1/2	2,655.00	1/2	2,996.59
3/4	58.23	3/4	328.09	3/4	627.38	3/4	954.67	3/4	1,295.73	3/4	1,637.33	3/4	1,978.94	3/4	2,320.53	3/4	2,662.12	3/4	3,003.70
3	63.53	3	334.00	3	633.91	3	961.73	3	1,302.85	3	1,644.45	3	1,986.05	3	2,327.65	3	2,669.23	3	3,010.82
1/4	68.88	1/4	339.97	1/4	640.49	1/4	968.81	1/4	1,309.96	1/4	1,651.56	1/4	1,993.17	1/4	2,334.76	1/4	2,676.35	1/4	3,017.94
1/2	74.24	1/2	345.94	1/2	647.07	1/2	975.88	1/2	1,317.08	1/2	1,658.68	1/2	2,000.29	1/2	2,341.88	1/2	2,683.47	1/2	3,025.05
3/4	79.59	3/4	351.90	3/4	653.65	3/4	982.95	3/4	1,324.20	3/4	1,665.80	3/4	2,007.40	3/4	2,349.00	3/4	2,690.58	3/4	3,032.17
4	84.94	4	357.87	4	660.23	4	990.03	4	1,331.31	4	1,672.91	4	2,014.52	4	2,356.11	4	2,697.70	4	3,039.28
1/4	90.35	1/4	363.89	1/4	666.86	1/4	997.11	1/4	1,338.43	1/4	1,680.03	1/4	2,021.64	1/4	2,363.23	1/4	2,704.82	1/4	3,046.40
1/2	95.75	1/2	369.91	1/2	673.49	1/2	1,004.18	1/2	1,345.55	1/2	1,687.15	1/2	2,028.76	1/2	2,370.35	1/2	2,711.93	1/2	3,053.52
3/4	101.16	3/4	375.93	3/4	680.12	3/4	1,011.26	3/4	1,352.66	3/4	1,694.26	3/4	2,035.87	3/4	2,377.46	3/4	2,719.05	3/4	3,060.63
5	106.56	5	381.94	5	686.75	5	1,018.34	5	1,359.78	5	1,701.38	5	2,042.99	5	2,384.58	5	2,726.17	5	3,067.75
1/4	112.02	1/4	388.01	1/4	693.43	1/4	1,025.43	1/4	1,366.90	1/4	1,708.50	1/4	2,050.10	1/4	2,391.69	1/4	2,733.28	1/4	3,074.87
1/2	117.48	1/2	394.08	1/2	700.12	1/2	1,032.52	1/2	1,374.01	1/2	1,715.61	1/2	2,057.22	1/2	2,398.81	1/2	2,740.40	1/2	3,081.98
3/4	122.93	3/4	400.15	3/4	706.80	3/4	1,039.61	3/4	1,381.13	3/4	1,722.73	3/4	2,064.34	3/4	2,405.93	3/4	2,747.51	3/4	3,089.10
6	128.39	6	406.22	6	713.48	6	1,046.70	6	1,388.25	6	1,729.86	6	2,071.46	6	2,413.04	6	2,754.63	6	3,096.22
1/4	133.90	1/4	412.34	1/4	720.20	1/4	1,053.80	1/4	1,395.36	1/4	1,736.96	1/4	2,078.57	1/4	2,420.16	1/4	2,761.75	1/4	3,103.33
1/2	139.40	1/2	418.46	1/2	726.92	1/2	1,060.90	1/2	1,402.48	1/2	1,744.08	1/2	2,085.69	1/2	2,427.28	1/2	2,768.86	1/2	3,110.45
3/4	144.91	3/4	424.58	3/4	733.63	3/4	1,068.01	3/4	1,409.60	3/4	1,751.20	3/4	2,092.80	3/4	2,434.39	3/4	2,775.98	3/4	3,117.57
7	150.42	7	430.70	7	740.35	7	1,075.11	7	1,416.71	7	1,758.31	7	2,099.92	7	2,441.51	7	2,783.10	7	3,124.68
1/4	155.98	1/4	436.87	1/4	747.10	1/4	1,082.23	1/4	1,423.83	1/4	1,765.43	1/4	2,107.04	1/4	2,448.63	1/4	2,790.21	1/4	3,131.80
1/2	161.53	1/2	443.04	1/2	753.86	1/2	1,089.34	1/2	1,430.95	1/2	1,772.55	1/2	2,114.16	1/2	2,455.74	1/2	2,797.33	1/2	3,138.92
3/4	167.09	3/4	449.21	3/4	760.61	3/4	1,096.46	3/4	1,438.06	3/4	1,779.66	3/4	2,121.27	3/4	2,462.86	3/4	2,804.45	3/4	3,146.03
8	172.65	8	455.39	8	767.36	8	1,103.58	8	1,445.18	8	1,786.78	8	2,128.39	8	2,469.97	8	2,811.56	8	3,153.15
1/4	178.26	1/4	461.61	1/4	774.16	1/4	1,110.69	1/4	1,452.30	1/4	1,793.90	1/4	2,135.50	1/4	2,477.09	1/4	2,818.68	1/4	3,160.27
1/2	183.87	1/2	467.83	1/2	780.97	1/2	1,117.81	1/2	1,459.41	1/2	1,801.01	1/2	2,142.62	1/2	2,484.21	1/2	2,825.79	1/2	3,167.38
3/4	189.48	3/4	474.05	3/4	787.77	3/4	1,124.93	3/4	1,466.53	3/4	1,808.13	3/4	2,149.74	3/4	2,491.32	3/4	2,832.91	3/4	3,174.50
9	195.09	9	480.28	9	794.57	9	1,132.04	9	1,473.65	9	1,815.25	9	2,156.85	9	2,498.44	9	2,840.03	9	3,181.62
1/4	200.75	1/4	486.56	1/4	801.42	1/4	1,139.16	1/4	1,480.76	1/4	1,822.36	1/4	2,163.97	1/4	2,505.56	1/4	2,847.14	1/4	3,188.73
1/2	206.41	1/2	492.82	1/2	808.26	1/2	1,146.28	1/2	1,487.88	1/2	1,829.48	1/2	2,171.09	1/2	2,512.67	1/2	2,854.26	1/2	3,195.85
3/4	212.07	3/4	499.10	3/4	815.11	3/4	1,153.39	3/4	1,495.00	3/4	1,836.60	3/4	2,178.20	3/4	2,519.79	3/4	2,861.38	3/4	3,202.97
10	217.73	10	505.37	10	821.95	10	1,160.51	10	1,502.11	10	1,843.71	10	2,185.32	10	2,526.91	10	2,868.49	10	3,210.08
1/4	223.44	1/4	511.69	1/4	828.85	1/4	1,167.63	1/4	1,509.23	1/4	1,850.83	1/4	2,192.44	1/4	2,534.02	1/4	2,875.61	1/4	3,217.20
1/2	229.16	1/2	518.02	1/2	835.74	1/2	1,174.74	1/2	1,516.35	1/2	1,857.95	1/2	2,199.55	1/2	2,541.14	1/2	2,882.73	1/2	3,224.32
3/4	234.86	3/4	524.34	3/4	842.64	3/4	1,181.86	3/4	1,523.46	3/4	1,865.07	3/4	2,206.67	3/4	2,548.26	3/4	2,889.84	3/4	3,231.43
11	240.58	11	530.67	11	849.53	11	1,188.98	11	1,530.58	11	1,872.19	11	2,213.78	11	2,555.37	11	2,896.96	11	3,238.55
1/4	246.34	1/4	537.04	1/4	856.48	1/4	1,196.10	1/4	1,537.70	1/4	1,879.30	1/4	2,220.90	1/4	2,562.49	1/4	2,904.08	1/4	3,245.67
1/2	252.10	1/2	543.42	1/2	863.42	1/2	1,203.21	1/2	1,544.81	1/2	1,886.42	1/2	2,228.02	1/2	2,569.60	1/2	2,911.19	1/2	3,252.78
3/4	257.86	3/4	549.80	3/4	870.37	3/4	1,210.33	3/4	1,551.93	3/4	1,893.54	3/4	2,235.13	3/4	2,576.72	3/4	2,918.31	3/4	3,259.90

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 37'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2002
Pearland, Texas 77589
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BARGE "EMS 508"

1 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,267.02	0	3,608.62	0	3,945.64	0	4,280.70	0	4,561.76	0	4,819.45	0		0		0		0	
1/4	3,274.13	1/4	3,616.74	1/4	3,953.43	1/4	4,288.98	1/4	4,567.55	1/4	4,824.77	1/4		1/4		1/4		1/4	
1/2	3,281.26	1/2	3,622.86	1/2	3,959.23	1/2	4,273.27	1/2	4,563.35	1/2	4,830.08	1/2		1/2		1/2		1/2	
3/4	3,288.37	3/4	3,629.97	3/4	3,966.02	3/4	4,279.56	3/4	4,569.15	3/4	4,835.39	3/4		3/4		3/4		3/4	
1	3,295.49	1	3,637.09	1	3,972.81	1	4,285.85	1	4,574.95	1	4,840.71	1		1		1		1	
1/4	3,302.60	1/4	3,644.20	1/4	3,979.58	1/4	4,292.09	1/4	4,580.71	1/4	4,846.90	1/4		1/4		1/4		1/4	
1/2	3,309.72	1/2	3,651.32	1/2	3,986.31	1/2	4,298.34	1/2	4,586.47	1/2	4,853.10	1/2		1/2		1/2		1/2	
3/4	3,316.84	3/4	3,658.44	3/4	3,993.07	3/4	4,304.59	3/4	4,592.23	3/4	4,859.29	3/4		3/4		3/4		3/4	
2	3,323.95	2	3,665.55	2	3,999.82	2	4,310.83	2	4,597.99	2	4,865.49	2		2		2		2	
1/4	3,331.07	1/4	3,672.67	1/4	4,006.53	1/4	4,317.04	1/4	4,603.71	1/4	4,872.69	1/4		1/4		1/4		1/4	
1/2	3,338.19	1/2	3,679.79	1/2	4,013.24	1/2	4,323.24	1/2	4,609.43	1/2	4,879.88	1/2		1/2		1/2		1/2	
3/4	3,345.30	3/4	3,686.90	3/4	4,019.95	3/4	4,329.45	3/4	4,615.15	3/4	4,886.78	3/4		3/4		3/4		3/4	
3	3,352.42	3	3,694.02	3	4,026.66	3	4,335.65	3	4,620.87	3	4,893.88	3		3		3		3	
1/4	3,359.54	1/4	3,701.14	1/4	4,033.33	1/4	4,341.82	1/4	4,626.54	1/4	4,900.98	1/4		1/4		1/4		1/4	
1/2	3,366.65	1/2	3,708.25	1/2	4,040.00	1/2	4,347.98	1/2	4,632.22	1/2	4,908.07	1/2		1/2		1/2		1/2	
3/4	3,373.77	3/4	3,715.37	3/4	4,046.67	3/4	4,354.15	3/4	4,637.90	3/4	4,916.17	3/4		3/4		3/4		3/4	
4	3,380.89	4	3,722.49	4	4,053.35	4	4,360.31	4	4,643.58	4	4,922.27	4		4		4		4	
1/4	3,388.00	1/4	3,729.59	1/4	4,059.98	1/4	4,366.44	1/4	4,649.22	1/4	4,928.92	1/4		1/4		1/4		1/4	
1/2	3,395.12	1/2	3,736.70	1/2	4,066.61	1/2	4,372.56	1/2	4,654.86	1/2	4,935.57	1/2		1/2		1/2		1/2	
3/4	3,402.24	3/4	3,743.81	3/4	4,073.24	3/4	4,378.69	3/4	4,660.49	3/4	4,942.22	3/4		3/4		3/4		3/4	
5	3,409.35	5	3,750.91	5	4,079.87	5	4,384.81	5	4,666.13	5	4,948.88	5		5		5		5	
1/4	3,416.47	1/4	3,757.99	1/4	4,086.46	1/4	4,390.89	1/4	4,671.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,423.59	1/2	3,765.07	1/2	4,093.05	1/2	4,396.98	1/2	4,677.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,430.70	3/4	3,772.14	3/4	4,099.64	3/4	4,403.06	3/4	4,682.92	3/4		3/4		3/4		3/4		3/4	
6	3,437.82	6	3,779.22	6	4,106.23	6	4,409.15	6	4,688.52	6		6		6		6		6	
1/4	3,444.94	1/4	3,786.28	1/4	4,112.77	1/4	4,415.19	1/4	4,694.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,452.05	1/2	3,793.29	1/2	4,119.32	1/2	4,421.23	1/2	4,699.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,459.17	3/4	3,800.33	3/4	4,125.87	3/4	4,427.28	3/4	4,705.19	3/4		3/4		3/4		3/4		3/4	
7	3,466.29	7	3,807.38	7	4,132.42	7	4,433.32	7	4,710.75	7		7		7		7		7	
1/4	3,473.40	1/4	3,814.36	1/4	4,138.93	1/4	4,439.32	1/4	4,716.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,480.52	1/2	3,821.35	1/2	4,145.44	1/2	4,445.32	1/2	4,721.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,487.64	3/4	3,828.35	3/4	4,151.95	3/4	4,451.33	3/4	4,727.30	3/4		3/4		3/4		3/4		3/4	
8	3,494.75	8	3,835.34	8	4,158.46	8	4,457.33	8	4,732.81	8		8		8		8		8	
1/4	3,501.87	1/4	3,842.30	1/4	4,164.91	1/4	4,463.29	1/4	4,738.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,508.99	1/2	3,849.25	1/2	4,171.37	1/2	4,469.25	1/2	4,743.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,516.10	3/4	3,856.20	3/4	4,177.83	3/4	4,475.22	3/4	4,749.24	3/4		3/4		3/4		3/4		3/4	
9	3,523.22	9	3,863.16	9	4,184.29	9	4,481.18	9	4,754.72	9		9		9		9		9	
1/4	3,530.34	1/4	3,870.07	1/4	4,190.70	1/4	4,487.10	1/4	4,760.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,537.45	1/2	3,876.99	1/2	4,197.11	1/2	4,493.02	1/2	4,765.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,544.57	3/4	3,883.90	3/4	4,203.51	3/4	4,498.94	3/4	4,771.02	3/4		3/4		3/4		3/4		3/4	
10	3,551.69	10	3,890.82	10	4,209.92	10	4,504.87	10	4,776.46	10		10		10		10		10	
1/4	3,558.80	1/4	3,897.69	1/4	4,216.29	1/4	4,510.75	1/4	4,781.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,565.92	1/2	3,904.56	1/2	4,222.66	1/2	4,516.63	1/2	4,787.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,573.04	3/4	3,911.44	3/4	4,229.03	3/4	4,522.51	3/4	4,792.64	3/4		3/4		3/4		3/4		3/4	
11	3,580.15	11	3,918.31	11	4,235.39	11	4,528.39	11	4,798.04	11		11		11		11		11	
1/4	3,587.27	1/4	3,925.14	1/4	4,241.72	1/4	4,534.23	1/4	4,803.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,594.39	1/2	3,931.97	1/2	4,248.05	1/2	4,540.07	1/2	4,808.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,601.50	3/4	3,938.81	3/4	4,254.37	3/4	4,545.91	3/4	4,814.10	3/4		3/4		3/4		3/4		3/4	

STRAPPED: 06/27/2019 JB
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PRINTED: 07/02/2019 JB

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2002
Pearland, Texas 77588
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BARGE "EMS 508"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	10.40	0	263.54	0	558.93	0	876.87	0	1,216.76	0	1,558.10	0	1,899.44	0	2,240.77	0	2,582.10	0	2,923.42
1/4	13.72	1/4	269.35	1/4	562.36	1/4	883.66	1/4	1,223.87	1/4	1,565.21	1/4	1,906.55	1/4	2,247.88	1/4	2,589.21	1/4	2,930.53
1/2	17.04	1/2	275.16	1/2	565.78	1/2	890.85	1/2	1,230.98	1/2	1,572.32	1/2	1,913.66	1/2	2,255.00	1/2	2,596.32	1/2	2,937.64
3/4	20.36	3/4	280.97	3/4	575.20	3/4	897.84	3/4	1,238.09	3/4	1,579.43	3/4	1,920.77	3/4	2,262.11	3/4	2,603.43	3/4	2,944.75
1	23.68	1	286.78	1	581.62	1	904.83	1	1,245.20	1	1,586.54	1	1,927.88	1	2,269.22	1	2,610.54	1	2,951.86
1/4	26.33	1/4	292.64	1/4	588.10	1/4	911.87	1/4	1,252.31	1/4	1,593.65	1/4	1,935.00	1/4	2,276.33	1/4	2,617.65	1/4	2,958.97
1/2	32.99	1/2	298.51	1/2	594.57	1/2	918.91	1/2	1,259.42	1/2	1,600.77	1/2	1,942.11	1/2	2,283.44	1/2	2,624.76	1/2	2,966.09
3/4	37.65	3/4	304.37	3/4	601.04	3/4	925.95	3/4	1,266.53	3/4	1,607.88	3/4	1,949.22	3/4	2,290.55	3/4	2,631.87	3/4	2,973.20
2	42.31	2	310.23	2	607.52	2	932.98	2	1,273.65	2	1,614.99	2	1,956.33	2	2,297.66	2	2,638.98	2	2,980.31
1/4	47.61	1/4	316.14	1/4	614.04	1/4	940.04	1/4	1,280.76	1/4	1,622.10	1/4	1,963.44	1/4	2,304.77	1/4	2,646.09	1/4	2,987.42
1/2	52.91	1/2	322.06	1/2	620.57	1/2	947.11	1/2	1,287.87	1/2	1,629.21	1/2	1,970.55	1/2	2,311.88	1/2	2,653.21	1/2	2,994.53
3/4	58.21	3/4	327.97	3/4	627.09	3/4	954.17	3/4	1,294.98	3/4	1,636.32	3/4	1,977.66	3/4	2,318.99	3/4	2,660.32	3/4	3,001.64
3	63.51	3	333.88	3	633.62	3	961.23	3	1,302.09	3	1,643.43	3	1,984.78	3	2,326.10	3	2,667.43	3	3,008.75
1/4	68.86	1/4	339.85	1/4	640.19	1/4	968.30	1/4	1,309.20	1/4	1,650.54	1/4	1,991.89	1/4	2,333.22	1/4	2,674.54	1/4	3,015.86
1/2	74.22	1/2	345.81	1/2	646.77	1/2	975.37	1/2	1,316.31	1/2	1,657.66	1/2	1,999.00	1/2	2,340.33	1/2	2,681.66	1/2	3,022.97
3/4	79.57	3/4	351.78	3/4	653.34	3/4	982.44	3/4	1,323.42	3/4	1,664.77	3/4	2,006.11	3/4	2,347.44	3/4	2,688.76	3/4	3,030.09
4	84.92	4	357.74	4	659.92	4	989.51	4	1,330.54	4	1,671.88	4	2,013.22	4	2,354.55	4	2,695.87	4	3,037.20
1/4	90.33	1/4	363.75	1/4	666.55	1/4	996.58	1/4	1,337.65	1/4	1,678.99	1/4	2,020.33	1/4	2,361.66	1/4	2,702.98	1/4	3,044.31
1/2	95.73	1/2	369.77	1/2	673.17	1/2	1,003.65	1/2	1,344.76	1/2	1,686.10	1/2	2,027.44	1/2	2,368.77	1/2	2,710.09	1/2	3,051.42
3/4	101.13	3/4	375.78	3/4	679.80	3/4	1,010.73	3/4	1,351.87	3/4	1,693.21	3/4	2,034.56	3/4	2,375.88	3/4	2,717.20	3/4	3,058.53
5	106.53	5	381.80	5	686.43	5	1,017.80	5	1,358.98	5	1,700.32	5	2,041.67	5	2,382.99	5	2,724.31	5	3,065.64
1/4	111.99	1/4	387.87	1/4	693.11	1/4	1,024.89	1/4	1,366.09	1/4	1,707.44	1/4	2,048.78	1/4	2,390.10	1/4	2,731.43	1/4	3,072.75
1/2	117.44	1/2	393.93	1/2	699.78	1/2	1,031.97	1/2	1,373.20	1/2	1,714.55	1/2	2,055.89	1/2	2,397.21	1/2	2,738.54	1/2	3,079.87
3/4	122.90	3/4	400.00	3/4	706.46	3/4	1,039.05	3/4	1,380.32	3/4	1,721.66	3/4	2,063.00	3/4	2,404.32	3/4	2,745.65	3/4	3,086.98
6	128.36	6	406.06	6	713.14	6	1,046.13	6	1,387.43	6	1,728.77	6	2,070.11	6	2,411.43	6	2,752.76	6	3,094.09
1/4	133.86	1/4	412.16	1/4	719.85	1/4	1,053.23	1/4	1,394.54	1/4	1,735.88	1/4	2,077.22	1/4	2,418.55	1/4	2,759.87	1/4	3,101.20
1/2	139.36	1/2	418.30	1/2	726.56	1/2	1,060.33	1/2	1,401.65	1/2	1,742.99	1/2	2,084.33	1/2	2,425.66	1/2	2,766.98	1/2	3,108.31
3/4	144.87	3/4	424.41	3/4	733.28	3/4	1,067.43	3/4	1,408.76	3/4	1,750.10	3/4	2,091.44	3/4	2,432.77	3/4	2,774.09	3/4	3,115.42
7	150.37	7	430.53	7	739.99	7	1,074.53	7	1,415.87	7	1,757.21	7	2,098.56	7	2,439.88	7	2,781.20	7	3,122.53
1/4	155.93	1/4	436.70	1/4	746.74	1/4	1,081.64	1/4	1,422.98	1/4	1,764.33	1/4	2,105.67	1/4	2,446.99	1/4	2,788.31	1/4	3,129.64
1/2	161.49	1/2	442.87	1/2	753.49	1/2	1,088.75	1/2	1,430.09	1/2	1,771.44	1/2	2,112.78	1/2	2,454.10	1/2	2,795.42	1/2	3,136.75
3/4	167.04	3/4	449.04	3/4	760.24	3/4	1,095.85	3/4	1,437.21	3/4	1,778.55	3/4	2,119.89	3/4	2,461.21	3/4	2,802.53	3/4	3,143.87
8	172.60	8	455.20	8	766.99	8	1,102.97	8	1,444.32	8	1,785.66	8	2,127.00	8	2,468.32	8	2,809.65	8	3,150.98
1/4	178.21	1/4	461.42	1/4	773.75	1/4	1,110.09	1/4	1,451.43	1/4	1,792.77	1/4	2,134.11	1/4	2,475.43	1/4	2,816.76	1/4	3,158.09
1/2	183.81	1/2	467.64	1/2	780.66	1/2	1,117.20	1/2	1,458.54	1/2	1,799.88	1/2	2,141.22	1/2	2,482.54	1/2	2,823.87	1/2	3,165.20
3/4	189.42	3/4	473.86	3/4	787.38	3/4	1,124.31	3/4	1,465.65	3/4	1,806.99	3/4	2,148.33	3/4	2,489.65	3/4	2,830.98	3/4	3,172.31
9	195.03	9	480.08	9	794.17	9	1,131.42	9	1,472.76	9	1,814.10	9	2,155.44	9	2,496.77	9	2,838.09	9	3,179.42
1/4	200.69	1/4	486.35	1/4	801.01	1/4	1,138.53	1/4	1,479.87	1/4	1,821.22	1/4	2,162.55	1/4	2,503.88	1/4	2,845.20	1/4	3,186.53
1/2	206.34	1/2	492.62	1/2	807.86	1/2	1,145.64	1/2	1,486.98	1/2	1,828.33	1/2	2,169.66	1/2	2,510.99	1/2	2,852.31	1/2	3,193.64
3/4	212.00	3/4	498.89	3/4	814.70	3/4	1,152.75	3/4	1,494.10	3/4	1,835.44	3/4	2,176.78	3/4	2,518.10	3/4	2,859.42	3/4	3,200.76
10	217.66	10	505.16	10	821.54	10	1,159.86	10	1,501.21	10	1,842.55	10	2,183.89	10	2,525.21	10	2,866.53	10	3,207.87
1/4	223.37	1/4	511.48	1/4	828.43	1/4	1,166.98	1/4	1,508.32	1/4	1,849.66	1/4	2,191.00	1/4	2,532.32	1/4	2,873.64	1/4	3,214.98
1/2	229.08	1/2	517.80	1/2	835.32	1/2	1,174.09	1/2	1,515.43	1/2	1,856.77	1/2	2,198.11	1/2	2,539.43	1/2	2,880.75	1/2	3,222.09
3/4	234.79	3/4	524.12	3/4	842.21	3/4	1,181.20	3/4	1,522.54	3/4	1,863.88	3/4	2,205.22	3/4	2,546.54	3/4	2,887.87	3/4	3,229.20
11	240.50	11	530.44	11	849.10	11	1,188.31	11	1,529.65	11	1,870.99	11	2,212.33	11	2,553.65	11	2,894.98	11	3,236.31
1/4	246.20	1/4	536.82	1/4	856.04	1/4	1,195.42	1/4	1,536.76	1/4	1,878.11	1/4	2,219.44	1/4	2,560.76	1/4	2,902.09	1/4	3,243.42
1/2	252.02	1/2	543.19	1/2	862.98	1/2	1,202.53	1/2	1,543.88	1/2	1,885.22	1/2	2,226.55	1/2	2,567.87	1/2	2,909.20	1/2	3,250.53
3/4	257.78	3/4	549.56	3/4	869.93	3/4	1,209.64	3/4	1,550.99	3/4	1,892.33	3/4	2,233.66	3/4	2,574.99	3/4	2,916.31	3/4	3,257.65

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'-02" OFF CENTERLINE AND 37'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
http://www.pmscorp.net

BARGE "EMS 508"

1 STBD

INNAGE 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	3,264.76	0	3,606.09	0	3,942.87	0	4,267.72	0	4,548.63	0	4,818.23	0		0		0		0	
1/4	3,271.87	1/4	3,613.21	1/4	3,949.65	1/4	4,264.01	1/4	4,554.42	1/4	4,821.54	1/4		1/4		1/4		1/4	
1/2	3,278.98	1/2	3,620.32	1/2	3,956.44	1/2	4,270.29	1/2	4,560.22	1/2	4,826.85	1/2		1/2		1/2		1/2	
3/4	3,286.09	3/4	3,627.43	3/4	3,963.23	3/4	4,276.57	3/4	4,566.02	3/4	4,832.17	3/4		3/4		3/4		3/4	
1	3,293.20	1	3,634.54	1	3,970.02	1	4,282.86	1	4,571.82	1	4,837.48	1		1		1		1	
1/4	3,300.31	1/4	3,641.65	1/4	3,976.76	1/4	4,289.10	1/4	4,577.67	1/4	4,843.67	1/4		1/4		1/4		1/4	
1/2	3,307.42	1/2	3,648.76	1/2	3,983.51	1/2	4,295.34	1/2	4,583.33	1/2	4,849.86	1/2		1/2		1/2		1/2	
3/4	3,314.53	3/4	3,655.87	3/4	3,990.25	3/4	4,301.58	3/4	4,589.09	3/4	4,856.05	3/4		3/4		3/4		3/4	
2	3,321.65	2	3,662.98	2	3,997.01	2	4,307.83	2	4,594.85	2	4,862.25	2		2		2		2	
1/4	3,328.76	1/4	3,670.09	1/4	4,003.71	1/4	4,314.03	1/4	4,600.56	1/4	4,869.34	1/4		1/4		1/4		1/4	
1/2	3,335.87	1/2	3,677.21	1/2	4,010.42	1/2	4,320.23	1/2	4,606.28	1/2	4,876.43	1/2		1/2		1/2		1/2	
3/4	3,342.98	3/4	3,684.32	3/4	4,017.13	3/4	4,326.43	3/4	4,612.00	3/4	4,883.52	3/4		3/4		3/4		3/4	
3	3,350.09	3	3,691.43	3	4,023.83	3	4,332.63	3	4,617.71	3	4,890.61	3		3		3		3	
1/4	3,357.20	1/4	3,698.54	1/4	4,030.50	1/4	4,338.80	1/4	4,623.39	1/4	4,897.71	1/4		1/4		1/4		1/4	
1/2	3,364.31	1/2	3,705.65	1/2	4,037.17	1/2	4,344.96	1/2	4,629.06	1/2	4,904.80	1/2		1/2		1/2		1/2	
3/4	3,371.42	3/4	3,712.76	3/4	4,043.83	3/4	4,351.12	3/4	4,634.74	3/4	4,911.89	3/4		3/4		3/4		3/4	
4	3,378.54	4	3,719.87	4	4,050.50	4	4,357.28	4	4,640.42	4	4,918.98	4		4		4		4	
1/4	3,385.65	1/4	3,726.98	1/4	4,057.12	1/4	4,363.40	1/4	4,646.05	1/4	4,925.63	1/4		1/4		1/4		1/4	
1/2	3,392.76	1/2	3,734.08	1/2	4,063.75	1/2	4,369.52	1/2	4,651.69	1/2	4,932.28	1/2		1/2		1/2		1/2	
3/4	3,399.87	3/4	3,741.18	3/4	4,070.38	3/4	4,375.64	3/4	4,657.32	3/4	4,938.92	3/4		3/4		3/4		3/4	
5	3,406.98	5	3,748.28	5	4,077.00	5	4,381.77	5	4,662.96	5	4,945.57	5		5		5		5	
1/4	3,414.09	1/4	3,755.35	1/4	4,083.59	1/4	4,387.85	1/4	4,668.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,421.20	1/2	3,762.42	1/2	4,090.17	1/2	4,393.93	1/2	4,674.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,428.31	3/4	3,769.49	3/4	4,096.76	3/4	4,400.01	3/4	4,679.75	3/4		3/4		3/4		3/4		3/4	
6	3,435.43	6	3,776.57	6	4,103.34	6	4,406.09	6	4,685.34	6		6		6		6		6	
1/4	3,442.54	1/4	3,783.60	1/4	4,109.89	1/4	4,412.13	1/4	4,690.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,449.65	1/2	3,790.63	1/2	4,116.43	1/2	4,418.17	1/2	4,696.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,456.76	3/4	3,797.66	3/4	4,122.98	3/4	4,424.21	3/4	4,702.01	3/4		3/4		3/4		3/4		3/4	
7	3,463.87	7	3,804.69	7	4,129.52	7	4,430.25	7	4,707.56	7		7		7		7		7	
1/4	3,470.98	1/4	3,811.68	1/4	4,136.03	1/4	4,436.25	1/4	4,713.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,478.09	1/2	3,818.67	1/2	4,142.53	1/2	4,442.25	1/2	4,718.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,485.20	3/4	3,825.66	3/4	4,149.04	3/4	4,448.25	3/4	4,724.10	3/4		3/4		3/4		3/4		3/4	
8	3,492.31	8	3,832.65	8	4,155.54	8	4,454.25	8	4,729.62	8		8		8		8		8	
1/4	3,499.43	1/4	3,839.60	1/4	4,162.00	1/4	4,460.21	1/4	4,735.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,506.54	1/2	3,846.55	1/2	4,168.45	1/2	4,466.17	1/2	4,740.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,513.65	3/4	3,853.50	3/4	4,174.90	3/4	4,472.13	3/4	4,746.04	3/4		3/4		3/4		3/4		3/4	
9	3,520.76	9	3,860.44	9	4,181.36	9	4,478.09	9	4,751.51	9		9		9		9		9	
1/4	3,527.87	1/4	3,867.35	1/4	4,187.78	1/4	4,484.00	1/4	4,756.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,534.98	1/2	3,874.26	1/2	4,194.17	1/2	4,489.92	1/2	4,762.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,542.09	3/4	3,881.17	3/4	4,200.57	3/4	4,495.84	3/4	4,767.81	3/4		3/4		3/4		3/4		3/4	
10	3,549.20	10	3,888.08	10	4,206.96	10	4,501.76	10	4,773.25	10		10		10		10		10	
1/4	3,556.32	1/4	3,894.95	1/4	4,213.34	1/4	4,507.64	1/4	4,778.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,563.43	1/2	3,901.82	1/2	4,219.70	1/2	4,513.52	1/2	4,784.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,570.54	3/4	3,908.69	3/4	4,226.07	3/4	4,519.40	3/4	4,789.43	3/4		3/4		3/4		3/4		3/4	
11	3,577.65	11	3,915.55	11	4,232.43	11	4,525.27	11	4,794.82	11		11		11		11		11	
1/4	3,584.76	1/4	3,922.38	1/4	4,238.76	1/4	4,531.11	1/4	4,800.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,591.87	1/2	3,929.21	1/2	4,245.08	1/2	4,536.95	1/2	4,805.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,598.98	3/4	3,936.04	3/4	4,251.40	3/4	4,542.79	3/4	4,810.88	3/4		3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "EMS 508"

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	13.93	0	388.49	0	776.43	0	1,164.24	0	1,552.29	0	1,940.34	0	2,328.38	0	2,716.42	0	3,104.46	0	3,492.48
1/4	19.32	1/4	396.58	1/4	784.50	1/4	1,172.33	1/4	1,560.37	1/4	1,948.42	1/4	2,336.47	1/4	2,724.51	1/4	3,112.53	1/4	3,500.56
1/2	24.71	1/2	404.66	1/2	792.57	1/2	1,180.41	1/2	1,568.46	1/2	1,956.51	1/2	2,344.55	1/2	2,732.59	1/2	3,120.62	1/2	3,508.64
3/4	30.10	3/4	412.75	3/4	800.65	3/4	1,188.50	3/4	1,576.54	3/4	1,964.59	3/4	2,352.64	3/4	2,740.67	3/4	3,128.70	3/4	3,516.73
1	35.49	1	420.83	1	808.72	1	1,196.58	1	1,584.63	1	1,972.67	1	2,360.72	1	2,748.76	1	3,136.79	1	3,524.81
1/4	42.90	1/4	428.91	1/4	816.80	1/4	1,204.67	1/4	1,592.71	1/4	1,980.76	1/4	2,368.80	1/4	2,756.84	1/4	3,144.87	1/4	3,532.90
1/2	50.31	1/2	437.00	1/2	824.87	1/2	1,212.75	1/2	1,600.80	1/2	1,988.84	1/2	2,376.89	1/2	2,764.93	1/2	3,152.96	1/2	3,540.98
3/4	57.72	3/4	445.08	3/4	832.94	3/4	1,220.83	3/4	1,608.88	3/4	1,996.93	3/4	2,384.97	3/4	2,773.01	3/4	3,161.04	3/4	3,549.06
2	65.13	2	453.17	2	841.02	2	1,228.92	2	1,616.96	2	2,005.01	2	2,393.06	2	2,781.09	2	3,169.12	2	3,557.15
1/4	72.21	1/4	461.25	1/4	849.09	1/4	1,237.00	1/4	1,625.05	1/4	2,013.10	1/4	2,401.14	1/4	2,789.18	1/4	3,177.20	1/4	3,565.23
1/2	81.30	1/2	469.33	1/2	857.17	1/2	1,245.09	1/2	1,633.13	1/2	2,021.18	1/2	2,409.23	1/2	2,797.26	1/2	3,185.29	1/2	3,573.32
3/4	89.38	3/4	477.42	3/4	865.24	3/4	1,253.17	3/4	1,641.22	3/4	2,029.26	3/4	2,417.31	3/4	2,805.35	3/4	3,193.37	3/4	3,581.40
3	97.47	3	485.50	3	873.31	3	1,261.26	3	1,649.30	3	2,037.35	3	2,425.39	3	2,813.43	3	3,201.46	3	3,589.48
1/4	105.55	1/4	493.59	1/4	881.39	1/4	1,269.34	1/4	1,657.39	1/4	2,045.43	1/4	2,433.48	1/4	2,821.51	1/4	3,209.54	1/4	3,597.57
1/2	113.63	1/2	501.67	1/2	889.46	1/2	1,277.42	1/2	1,665.47	1/2	2,053.52	1/2	2,441.56	1/2	2,829.60	1/2	3,217.62	1/2	3,605.65
3/4	121.72	3/4	509.76	3/4	897.54	3/4	1,285.51	3/4	1,673.55	3/4	2,061.60	3/4	2,449.65	3/4	2,837.68	3/4	3,225.71	3/4	3,613.73
4	129.80	4	517.84	4	905.61	4	1,293.59	4	1,681.64	4	2,069.69	4	2,457.73	4	2,845.76	4	3,233.79	4	3,621.82
1/4	137.89	1/4	525.92	1/4	913.68	1/4	1,301.68	1/4	1,689.72	1/4	2,077.77	1/4	2,465.82	1/4	2,853.85	1/4	3,241.88	1/4	3,629.90
1/2	145.97	1/2	534.01	1/2	921.76	1/2	1,309.76	1/2	1,697.81	1/2	2,085.85	1/2	2,473.90	1/2	2,861.93	1/2	3,249.96	1/2	3,637.99
3/4	154.06	3/4	542.09	3/4	929.83	3/4	1,317.85	3/4	1,705.89	3/4	2,093.94	3/4	2,481.98	3/4	2,870.02	3/4	3,258.04	3/4	3,646.07
5	162.14	5	550.18	5	937.90	5	1,325.93	5	1,713.98	5	2,102.02	5	2,490.07	5	2,878.10	5	3,266.13	5	3,654.15
1/4	170.22	1/4	558.26	1/4	945.98	1/4	1,334.01	1/4	1,722.06	1/4	2,110.11	1/4	2,498.16	1/4	2,886.18	1/4	3,274.21	1/4	3,662.24
1/2	178.31	1/2	566.34	1/2	954.06	1/2	1,342.10	1/2	1,730.14	1/2	2,118.19	1/2	2,506.24	1/2	2,894.27	1/2	3,282.30	1/2	3,670.32
3/4	186.39	3/4	574.43	3/4	962.14	3/4	1,350.18	3/4	1,738.23	3/4	2,126.26	3/4	2,514.32	3/4	2,902.35	3/4	3,290.38	3/4	3,678.41
6	194.48	6	582.51	6	970.22	6	1,358.27	6	1,746.31	6	2,134.36	6	2,522.41	6	2,910.44	6	3,298.46	6	3,686.49
1/4	202.56	1/4	590.60	1/4	978.30	1/4	1,366.35	1/4	1,754.40	1/4	2,142.44	1/4	2,530.49	1/4	2,918.52	1/4	3,306.55	1/4	3,694.58
1/2	210.64	1/2	598.68	1/2	986.39	1/2	1,374.44	1/2	1,762.48	1/2	2,150.53	1/2	2,538.57	1/2	2,926.60	1/2	3,314.63	1/2	3,702.66
3/4	218.73	3/4	606.76	3/4	994.47	3/4	1,382.52	3/4	1,770.57	3/4	2,158.61	3/4	2,546.66	3/4	2,934.69	3/4	3,322.71	3/4	3,710.74
7	226.81	7	614.85	7	1,002.56	7	1,390.60	7	1,778.65	7	2,166.70	7	2,554.74	7	2,942.77	7	3,330.80	7	3,718.83
1/4	234.90	1/4	622.93	1/4	1,010.64	1/4	1,398.69	1/4	1,786.74	1/4	2,174.78	1/4	2,562.83	1/4	2,950.86	1/4	3,338.88	1/4	3,726.91
1/2	242.98	1/2	631.02	1/2	1,018.73	1/2	1,406.77	1/2	1,794.82	1/2	2,182.87	1/2	2,570.91	1/2	2,958.94	1/2	3,346.97	1/2	3,735.00
3/4	251.06	3/4	639.10	3/4	1,026.81	3/4	1,414.86	3/4	1,802.90	3/4	2,190.95	3/4	2,579.00	3/4	2,967.02	3/4	3,355.05	3/4	3,743.08
8	259.15	8	647.19	8	1,034.90	8	1,422.94	8	1,810.99	8	2,199.03	8	2,587.08	8	2,975.11	8	3,363.13	8	3,751.17
1/4	267.23	1/4	655.27	1/4	1,042.98	1/4	1,431.03	1/4	1,819.07	1/4	2,207.12	1/4	2,595.16	1/4	2,983.19	1/4	3,371.22	1/4	3,759.26
1/2	275.32	1/2	663.35	1/2	1,051.06	1/2	1,439.11	1/2	1,827.16	1/2	2,215.20	1/2	2,603.25	1/2	2,991.27	1/2	3,379.30	1/2	3,767.33
3/4	283.40	3/4	671.44	3/4	1,059.15	3/4	1,447.19	3/4	1,835.24	3/4	2,223.29	3/4	2,611.33	3/4	2,999.36	3/4	3,387.39	3/4	3,775.42
9	291.48	9	679.52	9	1,067.23	9	1,455.28	9	1,843.33	9	2,231.37	9	2,619.42	9	3,007.44	9	3,395.47	9	3,783.50
1/4	299.57	1/4	687.60	1/4	1,075.32	1/4	1,463.36	1/4	1,851.41	1/4	2,239.46	1/4	2,627.50	1/4	3,015.53	1/4	3,403.56	1/4	3,791.59
1/2	307.65	1/2	695.68	1/2	1,083.40	1/2	1,471.45	1/2	1,859.49	1/2	2,247.54	1/2	2,635.58	1/2	3,023.61	1/2	3,411.64	1/2	3,799.67
3/4	315.74	3/4	703.76	3/4	1,091.49	3/4	1,479.53	3/4	1,867.58	3/4	2,255.62	3/4	2,643.67	3/4	3,031.69	3/4	3,419.72	3/4	3,807.76
10	323.82	10	711.84	10	1,099.57	10	1,487.62	10	1,875.66	10	2,263.71	10	2,651.75	10	3,039.78	10	3,427.81	10	3,815.84
1/4	331.91	1/4	719.91	1/4	1,107.65	1/4	1,495.70	1/4	1,883.75	1/4	2,271.79	1/4	2,659.84	1/4	3,047.86	1/4	3,435.89	1/4	3,823.92
1/2	339.99	1/2	727.99	1/2	1,115.74	1/2	1,503.78	1/2	1,891.83	1/2	2,279.88	1/2	2,667.92	1/2	3,055.95	1/2	3,443.97	1/2	3,832.01
3/4	348.07	3/4	736.06	3/4	1,123.82	3/4	1,511.87	3/4	1,899.92	3/4	2,287.96	3/4	2,676.00	3/4	3,064.03	3/4	3,452.06	3/4	3,840.09
11	356.16	11	744.13	11	1,131.91	11	1,519.95	11	1,908.00	11	2,296.05	11	2,684.09	11	3,072.11	11	3,460.14	11	3,848.18
1/4	364.24	1/4	752.21	1/4	1,139.99	1/4	1,528.04	1/4	1,916.08	1/4	2,304.13	1/4	2,692.17	1/4	3,080.20	1/4	3,468.23	1/4	3,856.26
1/2	372.33	1/2	760.28	1/2	1,148.08	1/2	1,536.12	1/2	1,924.17	1/2	2,312.21	1/2	2,700.25	1/2	3,088.28	1/2	3,476.31	1/2	3,864.35
3/4	380.41	3/4	768.35	3/4	1,156.16	3/4	1,544.21	3/4	1,932.26	3/4	2,320.30	3/4	2,708.34	3/4	3,096.37	3/4	3,484.39	3/4	3,872.43

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-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 508"

2 PORT
INNAGE 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	3,880.81	0	4,268.58	0	4,661.40	0	5,009.30	0	5,339.98	0	5,643.38	0		0		0		0	
1/4	3,888.60	1/4	4,276.65	1/4	4,669.12	1/4	5,016.44	1/4	5,346.64	1/4	5,649.30	1/4		1/4		1/4		1/4	
1/2	3,896.58	1/2	4,284.73	1/2	4,666.83	1/2	5,023.58	1/2	5,353.12	1/2	5,655.22	1/2		1/2		1/2		1/2	
3/4	3,904.77	3/4	4,292.81	3/4	4,674.55	3/4	5,030.72	3/4	5,359.71	3/4	5,661.14	3/4		3/4		3/4		3/4	
1	3,912.95	1	4,300.90	1	4,682.26	1	5,037.87	1	5,366.30	1	5,667.07	1		1		1		1	
1/4	3,920.94	1/4	4,308.98	1/4	4,689.93	1/4	5,044.98	1/4	5,372.85	1/4	5,673.99	1/4		1/4		1/4		1/4	
1/2	3,929.02	1/2	4,317.07	1/2	4,697.60	1/2	5,052.08	1/2	5,379.39	1/2	5,680.92	1/2		1/2		1/2		1/2	
3/4	3,937.10	3/4	4,325.16	3/4	4,705.27	3/4	5,059.18	3/4	5,385.93	3/4	5,687.84	3/4		3/4		3/4		3/4	
2	3,945.19	2	4,333.24	2	4,712.94	2	5,066.25	2	5,392.47	2	5,694.77	2		2		2		2	
1/4	3,953.27	1/4	4,341.32	1/4	4,720.57	1/4	5,073.30	1/4	5,398.97	1/4	5,702.72	1/4		1/4		1/4		1/4	
1/2	3,961.36	1/2	4,349.40	1/2	4,728.19	1/2	5,080.35	1/2	5,405.47	1/2	5,710.67	1/2		1/2		1/2		1/2	
3/4	3,969.44	3/4	4,357.49	3/4	4,735.81	3/4	5,087.40	3/4	5,411.97	3/4	5,718.62	3/4		3/4		3/4		3/4	
3	3,977.53	3	4,365.57	3	4,743.44	3	5,094.45	3	5,418.46	3	5,726.57	3		3		3		3	
1/4	3,985.61	1/4	4,373.66	1/4	4,751.01	1/4	5,101.48	1/4	5,424.91	1/4	5,734.52	1/4		1/4		1/4		1/4	
1/2	3,993.69	1/2	4,381.74	1/2	4,758.59	1/2	5,108.48	1/2	5,431.36	1/2	5,742.47	1/2		1/2		1/2		1/2	
3/4	4,001.78	3/4	4,389.83	3/4	4,766.17	3/4	5,115.48	3/4	5,437.81	3/4	5,750.42	3/4		3/4		3/4		3/4	
4	4,009.86	4	4,397.91	4	4,773.75	4	5,122.46	4	5,444.26	4	5,758.37	4		4		4		4	
1/4	4,017.95	1/4	4,405.98	1/4	4,781.28	1/4	5,129.42	1/4	5,450.67	1/4	5,766.31	1/4		1/4		1/4		1/4	
1/2	4,026.03	1/2	4,414.06	1/2	4,788.81	1/2	5,136.38	1/2	5,457.07	1/2	5,773.25	1/2		1/2		1/2		1/2	
3/4	4,034.12	3/4	4,422.13	3/4	4,796.34	3/4	5,143.34	3/4	5,463.48	3/4	5,780.70	3/4		3/4		3/4		3/4	
5	4,042.20	5	4,430.20	5	4,803.87	5	5,150.29	5	5,469.85	5	5,788.14	5		5		5		5	
1/4	4,050.28	1/4	4,438.24	1/4	4,811.36	1/4	5,157.21	1/4	5,476.24	1/4		1/4		1/4		1/4		1/4	
1/2	4,058.37	1/2	4,446.28	1/2	4,818.84	1/2	5,164.12	1/2	5,482.60	1/2		1/2		1/2		1/2		1/2	
3/4	4,066.45	3/4	4,454.32	3/4	4,826.33	3/4	5,171.03	3/4	5,488.96	3/4		3/4		3/4		3/4		3/4	
6	4,074.54	6	4,462.35	6	4,833.81	6	5,177.94	6	5,495.32	6		6		6		6		6	
1/4	4,082.62	1/4	4,470.38	1/4	4,841.25	1/4	5,184.81	1/4	5,501.63	1/4		1/4		1/4		1/4		1/4	
1/2	4,090.71	1/2	4,478.34	1/2	4,848.69	1/2	5,191.67	1/2	5,507.94	1/2		1/2		1/2		1/2		1/2	
3/4	4,098.79	3/4	4,486.33	3/4	4,856.13	3/4	5,198.54	3/4	5,514.26	3/4		3/4		3/4		3/4		3/4	
7	4,106.87	7	4,494.32	7	4,863.57	7	5,205.40	7	5,520.57	7		7		7		7		7	
1/4	4,114.96	1/4	4,502.27	1/4	4,870.98	1/4	5,212.22	1/4	5,526.84	1/4		1/4		1/4		1/4		1/4	
1/2	4,123.04	1/2	4,510.21	1/2	4,878.36	1/2	5,219.04	1/2	5,533.10	1/2		1/2		1/2		1/2		1/2	
3/4	4,131.13	3/4	4,518.16	3/4	4,885.75	3/4	5,225.86	3/4	5,539.37	3/4		3/4		3/4		3/4		3/4	
8	4,139.21	8	4,526.11	8	4,893.14	8	5,232.68	8	5,545.64	8		8		8		8		8	
1/4	4,147.30	1/4	4,534.01	1/4	4,900.48	1/4	5,239.48	1/4	5,551.86	1/4		1/4		1/4		1/4		1/4	
1/2	4,155.38	1/2	4,541.91	1/2	4,907.82	1/2	5,246.23	1/2	5,558.08	1/2		1/2		1/2		1/2		1/2	
3/4	4,163.46	3/4	4,549.81	3/4	4,915.15	3/4	5,253.00	3/4	5,564.30	3/4		3/4		3/4		3/4		3/4	
9	4,171.55	9	4,557.71	9	4,922.49	9	5,259.77	9	5,570.52	9		9		9		9		9	
1/4	4,179.63	1/4	4,565.66	1/4	4,929.77	1/4	5,266.50	1/4	5,576.69	1/4		1/4		1/4		1/4		1/4	
1/2	4,187.72	1/2	4,573.41	1/2	4,937.05	1/2	5,273.23	1/2	5,582.87	1/2		1/2		1/2		1/2		1/2	
3/4	4,195.80	3/4	4,581.27	3/4	4,944.33	3/4	5,279.95	3/4	5,589.04	3/4		3/4		3/4		3/4		3/4	
10	4,203.89	10	4,589.12	10	4,951.61	10	5,286.68	10	5,595.21	10		10		10		10		10	
1/4	4,211.97	1/4	4,596.93	1/4	4,958.84	1/4	5,293.36	1/4	5,601.29	1/4		1/4		1/4		1/4		1/4	
1/2	4,220.06	1/2	4,604.74	1/2	4,966.08	1/2	5,300.04	1/2	5,607.36	1/2		1/2		1/2		1/2		1/2	
3/4	4,228.14	3/4	4,612.55	3/4	4,973.31	3/4	5,306.72	3/4	5,613.43	3/4		3/4		3/4		3/4		3/4	
11	4,236.22	11	4,620.35	11	4,980.55	11	5,313.41	11	5,619.50	11		11		11		11		11	
1/4	4,244.31	1/4	4,628.12	1/4	4,987.74	1/4	5,320.04	1/4	5,625.47	1/4		1/4		1/4		1/4		1/4	
1/2	4,252.39	1/2	4,635.88	1/2	4,994.92	1/2	5,326.68	1/2	5,631.44	1/2		1/2		1/2		1/2		1/2	
3/4	4,260.48	3/4	4,643.64	3/4	5,002.11	3/4	5,333.31	3/4	5,637.41	3/4		3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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BARGE "EMS 508"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	13.96	0	389.35	0	778.18	0	1,166.49	0	1,539.14	0	1,928.05	0	2,316.97	0	2,706.87	0	3,094.75	0	3,483.64
1/4	19.36	1/4	397.46	1/4	786.28	1/4	1,164.25	1/4	1,547.25	1/4	1,936.16	1/4	2,325.07	1/4	2,713.97	1/4	3,102.85	1/4	3,491.74
1/2	24.76	1/2	405.58	1/2	794.37	1/2	1,172.00	1/2	1,555.35	1/2	1,944.26	1/2	2,333.17	1/2	2,722.07	1/2	3,110.96	1/2	3,499.84
3/4	30.17	3/4	413.68	3/4	802.47	3/4	1,179.76	3/4	1,563.45	3/4	1,952.36	3/4	2,341.27	3/4	2,730.17	3/4	3,119.06	3/4	3,507.94
1	35.57	1	421.78	1	810.56	1	1,187.51	1	1,571.55	1	1,960.46	1	2,349.37	1	2,738.27	1	3,127.16	1	3,516.05
1/4	42.99	1/4	429.86	1/4	818.65	1/4	1,195.27	1/4	1,579.65	1/4	1,968.57	1/4	2,357.48	1/4	2,746.38	1/4	3,135.26	1/4	3,524.15
1/2	50.42	1/2	437.97	1/2	826.75	1/2	1,203.02	1/2	1,587.76	1/2	1,976.67	1/2	2,365.58	1/2	2,754.48	1/2	3,143.36	1/2	3,532.25
3/4	57.85	3/4	446.07	3/4	834.84	3/4	1,210.78	3/4	1,595.86	3/4	1,984.77	3/4	2,373.68	3/4	2,762.58	3/4	3,151.47	3/4	3,540.35
2	65.27	2	454.17	2	842.94	2	1,218.53	2	1,603.96	2	1,992.87	2	2,381.78	2	2,770.68	2	3,159.57	2	3,548.45
1/4	73.38	1/4	462.27	1/4	851.03	1/4	1,226.28	1/4	1,612.06	1/4	2,000.98	1/4	2,389.89	1/4	2,778.78	1/4	3,167.67	1/4	3,556.56
1/2	81.48	1/2	470.37	1/2	859.13	1/2	1,234.04	1/2	1,620.17	1/2	2,009.08	1/2	2,397.99	1/2	2,786.88	1/2	3,175.77	1/2	3,564.66
3/4	89.58	3/4	478.48	3/4	867.22	3/4	1,241.79	3/4	1,628.27	3/4	2,017.18	3/4	2,406.09	3/4	2,794.99	3/4	3,183.87	3/4	3,572.76
3	97.68	3	486.58	3	875.32	3	1,249.55	3	1,636.37	3	2,025.28	3	2,414.19	3	2,803.09	3	3,191.97	3	3,580.86
1/4	105.78	1/4	494.68	1/4	883.41	1/4	1,257.30	1/4	1,644.47	1/4	2,033.38	1/4	2,422.29	1/4	2,811.19	1/4	3,200.08	1/4	3,588.96
1/2	113.89	1/2	502.78	1/2	891.51	1/2	1,265.06	1/2	1,652.58	1/2	2,041.49	1/2	2,430.40	1/2	2,819.29	1/2	3,208.18	1/2	3,597.07
3/4	121.99	3/4	510.88	3/4	899.60	3/4	1,272.81	3/4	1,660.68	3/4	2,049.59	3/4	2,438.50	3/4	2,827.39	3/4	3,216.28	3/4	3,605.17
4	130.09	4	518.99	4	907.70	4	1,280.57	4	1,668.78	4	2,057.69	4	2,446.60	4	2,835.50	4	3,224.38	4	3,613.28
1/4	138.19	1/4	527.09	1/4	915.82	1/4	1,288.49	1/4	1,676.88	1/4	2,065.79	1/4	2,454.70	1/4	2,843.60	1/4	3,232.48	1/4	3,621.38
1/2	146.29	1/2	535.19	1/2	923.84	1/2	1,296.42	1/2	1,684.99	1/2	2,073.90	1/2	2,462.81	1/2	2,851.70	1/2	3,240.58	1/2	3,629.48
3/4	154.40	3/4	543.29	3/4	931.46	3/4	1,304.36	3/4	1,693.09	3/4	2,082.00	3/4	2,470.91	3/4	2,859.80	3/4	3,248.69	3/4	3,637.59
5	162.50	5	551.39	5	939.38	5	1,312.28	5	1,701.19	5	2,090.10	5	2,479.01	5	2,867.90	5	3,256.79	5	3,645.69
1/4	170.60	1/4	559.50	1/4	947.13	1/4	1,320.35	1/4	1,709.29	1/4	2,098.20	1/4	2,487.11	1/4	2,876.00	1/4	3,264.89	1/4	3,653.79
1/2	178.70	1/2	567.60	1/2	954.88	1/2	1,328.48	1/2	1,717.39	1/2	2,106.31	1/2	2,495.22	1/2	2,884.11	1/2	3,272.99	1/2	3,661.89
3/4	186.80	3/4	575.70	3/4	962.63	3/4	1,336.59	3/4	1,725.50	3/4	2,114.41	3/4	2,503.32	3/4	2,892.21	3/4	3,281.09	3/4	3,669.99
6	194.91	6	583.80	6	970.38	6	1,344.69	6	1,733.60	6	2,122.51	6	2,511.42	6	2,900.31	6	3,289.20	6	3,678.10
1/4	203.01	1/4	591.90	1/4	978.14	1/4	1,352.79	1/4	1,741.70	1/4	2,130.61	1/4	2,519.52	1/4	2,908.41	1/4	3,297.30	1/4	3,686.20
1/2	211.11	1/2	600.01	1/2	985.89	1/2	1,360.89	1/2	1,749.80	1/2	2,138.71	1/2	2,527.62	1/2	2,916.51	1/2	3,305.40	1/2	3,694.30
3/4	219.21	3/4	608.11	3/4	993.65	3/4	1,369.00	3/4	1,757.91	3/4	2,146.82	3/4	2,535.73	3/4	2,924.61	3/4	3,313.50	3/4	3,702.40
7	227.31	7	616.21	7	1,001.40	7	1,377.10	7	1,766.01	7	2,154.92	7	2,543.83	7	2,932.72	7	3,321.60	7	3,710.51
1/4	235.42	1/4	624.31	1/4	1,009.16	1/4	1,385.20	1/4	1,774.11	1/4	2,163.02	1/4	2,551.93	1/4	2,940.82	1/4	3,329.70	1/4	3,718.61
1/2	243.52	1/2	632.41	1/2	1,016.91	1/2	1,393.30	1/2	1,782.21	1/2	2,171.12	1/2	2,560.03	1/2	2,948.92	1/2	3,337.81	1/2	3,726.71
3/4	251.62	3/4	640.52	3/4	1,024.66	3/4	1,401.41	3/4	1,790.32	3/4	2,179.23	3/4	2,568.14	3/4	2,957.02	3/4	3,345.91	3/4	3,734.81
8	259.72	8	648.62	8	1,032.42	8	1,409.51	8	1,798.42	8	2,187.33	8	2,576.24	8	2,965.12	8	3,354.01	8	3,742.91
1/4	267.82	1/4	656.72	1/4	1,040.17	1/4	1,417.61	1/4	1,806.52	1/4	2,195.43	1/4	2,584.34	1/4	2,973.23	1/4	3,362.11	1/4	3,751.02
1/2	275.93	1/2	664.82	1/2	1,047.93	1/2	1,425.71	1/2	1,814.62	1/2	2,203.53	1/2	2,592.44	1/2	2,981.33	1/2	3,370.21	1/2	3,759.12
3/4	284.03	3/4	672.92	3/4	1,055.68	3/4	1,433.81	3/4	1,822.72	3/4	2,211.64	3/4	2,600.54	3/4	2,989.43	3/4	3,378.32	3/4	3,767.22
9	292.13	9	681.03	9	1,063.44	9	1,441.92	9	1,830.83	9	2,219.74	9	2,608.64	9	2,997.53	9	3,386.42	9	3,775.32
1/4	300.23	1/4	689.13	1/4	1,071.19	1/4	1,450.02	1/4	1,838.93	1/4	2,227.84	1/4	2,616.75	1/4	3,005.63	1/4	3,394.52	1/4	3,783.43
1/2	308.33	1/2	697.23	1/2	1,078.95	1/2	1,458.12	1/2	1,847.03	1/2	2,235.94	1/2	2,624.85	1/2	3,013.73	1/2	3,402.62	1/2	3,791.53
3/4	316.44	3/4	705.33	3/4	1,086.70	3/4	1,466.22	3/4	1,855.13	3/4	2,244.04	3/4	2,632.95	3/4	3,021.84	3/4	3,410.72	3/4	3,799.63
10	324.54	10	713.42	10	1,094.46	10	1,474.33	10	1,863.24	10	2,252.15	10	2,641.06	10	3,029.94	10	3,418.82	10	3,807.73
1/4	332.64	1/4	721.52	1/4	1,102.21	1/4	1,482.43	1/4	1,871.34	1/4	2,260.25	1/4	2,649.16	1/4	3,038.04	1/4	3,426.93	1/4	3,815.84
1/2	340.74	1/2	729.61	1/2	1,109.97	1/2	1,490.53	1/2	1,879.44	1/2	2,268.35	1/2	2,657.26	1/2	3,046.14	1/2	3,435.03	1/2	3,823.94
3/4	348.84	3/4	737.71	3/4	1,117.72	3/4	1,498.63	3/4	1,887.54	3/4	2,276.45	3/4	2,665.36	3/4	3,054.24	3/4	3,443.13	3/4	3,832.04
11	356.95	11	745.80	11	1,125.47	11	1,506.74	11	1,895.65	11	2,284.56	11	2,673.46	11	3,062.35	11	3,451.23	11	3,840.14
1/4	365.05	1/4	753.90	1/4	1,133.23	1/4	1,514.84	1/4	1,903.75	1/4	2,292.66	1/4	2,681.56	1/4	3,070.45	1/4	3,459.33	1/4	3,848.24
1/2	373.15	1/2	761.99	1/2	1,140.98	1/2	1,522.94	1/2	1,911.85	1/2	2,300.76	1/2	2,689.66	1/2	3,078.55	1/2	3,467.44	1/2	3,856.35
3/4	381.25	3/4	770.09	3/4	1,148.74	3/4	1,531.04	3/4	1,919.95	3/4	2,308.86	3/4	2,697.76	3/4	3,086.65	3/4	3,475.54	3/4	3,864.45

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 INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 12'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

BARGE "EMS 508"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	3,872.55	0	4,261.46	0	4,645.16	0	5,003.91	0	5,335.40	0	5,639.65	0		0		0		0	
1/4	3,880.66	1/4	4,269.56	1/4	4,652.90	1/4	5,011.07	1/4	5,342.00	1/4	5,645.59	1/4		1/4		1/4		1/4	
1/2	3,888.76	1/2	4,277.67	1/2	4,660.63	1/2	5,018.23	1/2	5,348.61	1/2	5,651.53	1/2		1/2		1/2		1/2	
3/4	3,896.86	3/4	4,285.77	3/4	4,668.36	3/4	5,025.39	3/4	5,355.22	3/4	5,657.47	3/4		3/4		3/4		3/4	
1	3,904.96	1	4,293.87	1	4,676.10	1	5,032.55	1	5,361.82	1	5,663.41	1		1		1		1	
1/4	3,913.06	1/4	4,301.97	1/4	4,683.79	1/4	5,039.66	1/4	5,368.38	1/4	5,670.36	1/4		1/4		1/4		1/4	
1/2	3,921.17	1/2	4,310.08	1/2	4,691.47	1/2	5,046.76	1/2	5,374.94	1/2	5,677.30	1/2		1/2		1/2		1/2	
3/4	3,929.27	3/4	4,318.18	3/4	4,699.16	3/4	5,053.89	3/4	5,381.50	3/4	5,684.24	3/4		3/4		3/4		3/4	
2	3,937.37	2	4,326.28	2	4,706.85	2	5,061.00	2	5,388.06	2	5,691.18	2		2		2		2	
1/4	3,945.47	1/4	4,334.38	1/4	4,714.49	1/4	5,068.07	1/4	5,394.58	1/4	5,698.16	1/4		1/4		1/4		1/4	
1/2	3,953.57	1/2	4,342.49	1/2	4,722.13	1/2	5,075.14	1/2	5,401.09	1/2	5,707.12	1/2		1/2		1/2		1/2	
3/4	3,961.68	3/4	4,350.59	3/4	4,729.77	3/4	5,082.21	3/4	5,407.61	3/4	5,715.09	3/4		3/4		3/4		3/4	
3	3,969.78	3	4,358.69	3	4,737.41	3	5,089.27	3	5,414.12	3	5,723.05	3		3		3		3	
1/4	3,977.88	1/4	4,366.79	1/4	4,745.01	1/4	5,096.29	1/4	5,420.59	1/4	5,731.02	1/4		1/4		1/4		1/4	
1/2	3,985.98	1/2	4,374.89	1/2	4,752.60	1/2	5,103.32	1/2	5,427.06	1/2	5,738.99	1/2		1/2		1/2		1/2	
3/4	3,994.09	3/4	4,383.00	3/4	4,760.20	3/4	5,110.34	3/4	5,433.53	3/4	5,746.96	3/4		3/4		3/4		3/4	
4	4,002.19	4	4,391.10	4	4,767.79	4	5,117.36	4	5,439.99	4	5,754.93	4		4		4		4	
1/4	4,010.29	1/4	4,399.19	1/4	4,775.34	1/4	5,124.33	1/4	5,446.42	1/4	5,762.39	1/4		1/4		1/4		1/4	
1/2	4,018.39	1/2	4,407.28	1/2	4,782.89	1/2	5,131.31	1/2	5,452.84	1/2	5,769.85	1/2		1/2		1/2		1/2	
3/4	4,026.50	3/4	4,415.37	3/4	4,790.44	3/4	5,138.28	3/4	5,459.25	3/4	5,777.31	3/4		3/4		3/4		3/4	
5	4,034.60	5	4,423.46	5	4,797.99	5	5,145.26	5	5,465.66	5	5,784.77	5		5		5		5	
1/4	4,042.70	1/4	4,431.52	1/4	4,805.49	1/4	5,152.18	1/4	5,472.06	1/4		1/4		1/4		1/4		1/4	
1/2	4,050.80	1/2	4,439.57	1/2	4,813.00	1/2	5,159.12	1/2	5,478.43	1/2		1/2		1/2		1/2		1/2	
3/4	4,058.90	3/4	4,447.63	3/4	4,820.50	3/4	5,166.05	3/4	5,484.81	3/4		3/4		3/4		3/4		3/4	
6	4,067.01	6	4,455.69	6	4,828.00	6	5,172.97	6	5,491.19	6		6		6		6		6	
1/4	4,075.11	1/4	4,463.70	1/4	4,835.46	1/4	5,179.86	1/4	5,497.52	1/4		1/4		1/4		1/4		1/4	
1/2	4,083.21	1/2	4,471.71	1/2	4,842.92	1/2	5,186.74	1/2	5,503.85	1/2		1/2		1/2		1/2		1/2	
3/4	4,091.31	3/4	4,479.72	3/4	4,850.37	3/4	5,193.62	3/4	5,510.18	3/4		3/4		3/4		3/4		3/4	
7	4,099.42	7	4,487.73	7	4,857.83	7	5,200.51	7	5,516.50	7		7		7		7		7	
1/4	4,107.52	1/4	4,495.69	1/4	4,865.24	1/4	5,207.34	1/4	5,522.79	1/4		1/4		1/4		1/4		1/4	
1/2	4,115.62	1/2	4,503.66	1/2	4,872.65	1/2	5,214.18	1/2	5,529.07	1/2		1/2		1/2		1/2		1/2	
3/4	4,123.72	3/4	4,511.62	3/4	4,880.06	3/4	5,221.02	3/4	5,535.36	3/4		3/4		3/4		3/4		3/4	
8	4,131.83	8	4,519.58	8	4,887.48	8	5,227.85	8	5,541.64	8		8		8		8		8	
1/4	4,139.93	1/4	4,527.50	1/4	4,894.83	1/4	5,234.64	1/4	5,547.88	1/4		1/4		1/4		1/4		1/4	
1/2	4,148.03	1/2	4,535.42	1/2	4,902.18	1/2	5,241.43	1/2	5,554.11	1/2		1/2		1/2		1/2		1/2	
3/4	4,156.13	3/4	4,543.34	3/4	4,909.54	3/4	5,248.23	3/4	5,560.35	3/4		3/4		3/4		3/4		3/4	
9	4,164.23	9	4,551.26	9	4,916.89	9	5,255.02	9	5,566.59	9		9		9		9		9	
1/4	4,172.34	1/4	4,559.13	1/4	4,924.19	1/4	5,261.78	1/4	5,572.78	1/4		1/4		1/4		1/4		1/4	
1/2	4,180.44	1/2	4,567.00	1/2	4,931.49	1/2	5,268.51	1/2	5,578.97	1/2		1/2		1/2		1/2		1/2	
3/4	4,188.54	3/4	4,574.87	3/4	4,938.79	3/4	5,275.25	3/4	5,585.16	3/4		3/4		3/4		3/4		3/4	
10	4,196.64	10	4,582.74	10	4,946.08	10	5,281.99	10	5,591.36	10		10		10		10		10	
1/4	4,204.75	1/4	4,590.57	1/4	4,953.34	1/4	5,288.69	1/4	5,597.44	1/4		1/4		1/4		1/4		1/4	
1/2	4,212.85	1/2	4,598.39	1/2	4,960.59	1/2	5,295.39	1/2	5,603.53	1/2		1/2		1/2		1/2		1/2	
3/4	4,220.95	3/4	4,606.22	3/4	4,967.84	3/4	5,302.09	3/4	5,609.62	3/4		3/4		3/4		3/4		3/4	
11	4,229.05	11	4,614.05	11	4,975.09	11	5,308.79	11	5,615.71	11		11		11		11		11	
1/4	4,237.16	1/4	4,621.83	1/4	4,982.30	1/4	5,315.44	1/4	5,621.70	1/4		1/4		1/4		1/4		1/4	
1/2	4,245.26	1/2	4,629.60	1/2	4,989.50	1/2	5,322.09	1/2	5,627.68	1/2		1/2		1/2		1/2		1/2	
3/4	4,253.36	3/4	4,637.38	3/4	4,996.71	3/4	5,328.75	3/4	5,633.67	3/4		3/4		3/4		3/4		3/4	

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PRINTED: 07/02/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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BARGE "EMS 508"

3 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	13.01	0	361.84	0	723.02	0	1,083.98	0	1,445.35	0	1,806.74	0	2,168.14	0	2,529.51	0	2,890.71	0	3,251.92
1/4	18.03	1/4	369.37	1/4	730.53	1/4	1,091.48	1/4	1,452.88	1/4	1,814.27	1/4	2,175.67	1/4	2,537.03	1/4	2,898.24	1/4	3,259.44
1/2	23.04	1/2	376.90	1/2	738.04	1/2	1,099.01	1/2	1,460.40	1/2	1,821.80	1/2	2,183.20	1/2	2,544.56	1/2	2,905.76	1/2	3,266.97
3/4	28.06	3/4	384.43	3/4	745.54	3/4	1,106.54	3/4	1,467.93	3/4	1,829.33	3/4	2,190.73	3/4	2,552.08	3/4	2,913.29	3/4	3,274.49
1	33.08	1	391.96	1	753.05	1	1,114.07	1	1,475.46	1	1,836.86	1	2,198.26	1	2,559.61	1	2,920.81	1	3,282.02
1/4	38.08	1/4	399.49	1/4	760.56	1/4	1,121.59	1/4	1,482.99	1/4	1,844.39	1/4	2,205.79	1/4	2,567.13	1/4	2,928.34	1/4	3,289.54
1/2	43.09	1/2	407.02	1/2	768.07	1/2	1,129.12	1/2	1,490.52	1/2	1,851.92	1/2	2,213.31	1/2	2,574.66	1/2	2,935.86	1/2	3,297.07
3/4	53.79	3/4	414.55	3/4	775.58	3/4	1,136.65	3/4	1,498.05	3/4	1,859.46	3/4	2,220.84	3/4	2,582.18	3/4	2,943.39	3/4	3,304.59
2	60.69	2	422.08	2	783.08	2	1,144.18	2	1,505.58	2	1,866.98	2	2,228.37	2	2,589.71	2	2,950.91	2	3,312.12
1/4	68.22	1/4	429.60	1/4	790.59	1/4	1,151.71	1/4	1,513.11	1/4	1,874.50	1/4	2,235.90	1/4	2,597.23	1/4	2,958.44	1/4	3,319.64
1/2	75.75	1/2	437.13	1/2	798.10	1/2	1,159.24	1/2	1,520.64	1/2	1,882.03	1/2	2,243.43	1/2	2,604.76	1/2	2,965.96	1/2	3,327.17
3/4	83.28	3/4	444.66	3/4	805.61	3/4	1,166.77	3/4	1,528.17	3/4	1,889.56	3/4	2,250.96	3/4	2,612.28	3/4	2,973.49	3/4	3,334.69
3	90.80	3	452.19	3	813.11	3	1,174.30	3	1,535.70	3	1,897.09	3	2,258.49	3	2,619.81	3	2,981.01	3	3,342.22
1/4	98.33	1/4	459.72	1/4	820.62	1/4	1,181.83	1/4	1,543.22	1/4	1,904.62	1/4	2,266.02	1/4	2,627.33	1/4	2,988.54	1/4	3,349.75
1/2	105.86	1/2	467.25	1/2	828.13	1/2	1,189.36	1/2	1,550.75	1/2	1,912.15	1/2	2,273.55	1/2	2,634.86	1/2	2,996.06	1/2	3,357.27
3/4	113.39	3/4	474.78	3/4	835.64	3/4	1,196.89	3/4	1,558.28	3/4	1,919.69	3/4	2,281.08	3/4	2,642.38	3/4	3,003.58	3/4	3,364.80
4	120.92	4	482.31	4	843.15	4	1,204.41	4	1,565.81	4	1,927.21	4	2,288.61	4	2,649.91	4	3,011.11	4	3,372.32
1/4	128.45	1/4	489.84	1/4	850.65	1/4	1,211.94	1/4	1,573.34	1/4	1,934.74	1/4	2,296.13	1/4	2,657.44	1/4	3,018.64	1/4	3,379.85
1/2	135.98	1/2	497.37	1/2	858.16	1/2	1,219.47	1/2	1,580.87	1/2	1,942.27	1/2	2,303.66	1/2	2,664.96	1/2	3,026.16	1/2	3,387.38
3/4	143.51	3/4	504.89	3/4	865.67	3/4	1,227.00	3/4	1,588.40	3/4	1,949.80	3/4	2,311.19	3/4	2,672.49	3/4	3,033.69	3/4	3,394.90
5	151.04	5	512.42	5	873.18	5	1,234.53	5	1,595.93	5	1,957.32	5	2,318.72	5	2,680.01	5	3,041.22	5	3,402.43
1/4	158.56	1/4	519.95	1/4	880.70	1/4	1,242.06	1/4	1,603.46	1/4	1,964.85	1/4	2,326.25	1/4	2,687.54	1/4	3,048.74	1/4	3,409.94
1/2	166.09	1/2	527.48	1/2	888.21	1/2	1,249.59	1/2	1,610.99	1/2	1,972.38	1/2	2,333.78	1/2	2,695.06	1/2	3,056.27	1/2	3,417.46
3/4	173.62	3/4	535.01	3/4	895.73	3/4	1,257.12	3/4	1,618.52	3/4	1,979.91	3/4	2,341.31	3/4	2,702.59	3/4	3,063.79	3/4	3,424.98
6	181.15	6	542.54	6	903.25	6	1,264.65	6	1,626.04	6	1,987.44	6	2,348.84	6	2,710.11	6	3,071.32	6	3,432.47
1/4	188.68	1/4	550.07	1/4	910.76	1/4	1,272.18	1/4	1,633.57	1/4	1,994.97	1/4	2,356.37	1/4	2,717.64	1/4	3,078.84	1/4	3,439.96
1/2	196.21	1/2	557.60	1/2	918.31	1/2	1,279.71	1/2	1,641.10	1/2	2,002.50	1/2	2,363.90	1/2	2,725.16	1/2	3,086.37	1/2	3,447.46
3/4	203.74	3/4	565.13	3/4	925.84	3/4	1,287.23	3/4	1,648.63	3/4	2,010.03	3/4	2,371.43	3/4	2,732.69	3/4	3,093.89	3/4	3,454.95
7	211.27	7	572.66	7	933.37	7	1,294.76	7	1,656.16	7	2,017.56	7	2,378.95	7	2,740.21	7	3,101.42	7	3,462.44
1/4	218.80	1/4	580.18	1/4	940.90	1/4	1,302.29	1/4	1,663.69	1/4	2,025.09	1/4	2,386.48	1/4	2,747.74	1/4	3,108.94	1/4	3,469.94
1/2	226.32	1/2	587.71	1/2	948.43	1/2	1,309.82	1/2	1,671.22	1/2	2,032.62	1/2	2,394.01	1/2	2,755.26	1/2	3,116.47	1/2	3,477.43
3/4	233.85	3/4	595.24	3/4	955.95	3/4	1,317.35	3/4	1,678.75	3/4	2,040.14	3/4	2,401.54	3/4	2,762.79	3/4	3,123.99	3/4	3,484.93
8	241.38	8	602.77	8	963.48	8	1,324.88	8	1,686.28	8	2,047.67	8	2,409.07	8	2,770.31	8	3,131.52	8	3,492.42
1/4	248.91	1/4	610.30	1/4	971.01	1/4	1,332.41	1/4	1,693.81	1/4	2,055.20	1/4	2,416.60	1/4	2,777.84	1/4	3,139.04	1/4	3,499.92
1/2	256.44	1/2	617.83	1/2	978.54	1/2	1,339.94	1/2	1,701.34	1/2	2,062.73	1/2	2,424.13	1/2	2,785.36	1/2	3,146.57	1/2	3,507.41
3/4	263.97	3/4	625.36	3/4	986.07	3/4	1,347.47	3/4	1,708.88	3/4	2,070.26	3/4	2,431.66	3/4	2,792.89	3/4	3,154.09	3/4	3,514.90
9	271.50	9	632.89	9	993.60	9	1,355.00	9	1,716.39	9	2,077.79	9	2,439.18	9	2,800.41	9	3,161.62	9	3,522.40
1/4	279.03	1/4	640.40	1/4	1,001.13	1/4	1,362.53	1/4	1,723.92	1/4	2,085.32	1/4	2,446.71	1/4	2,807.94	1/4	3,169.14	1/4	3,529.89
1/2	286.56	1/2	647.92	1/2	1,008.66	1/2	1,370.06	1/2	1,731.45	1/2	2,092.85	1/2	2,454.24	1/2	2,815.48	1/2	3,176.67	1/2	3,537.39
3/4	294.08	3/4	655.44	3/4	1,016.19	3/4	1,377.58	3/4	1,738.98	3/4	2,100.38	3/4	2,461.77	3/4	2,822.99	3/4	3,184.19	3/4	3,544.88
10	301.61	10	662.96	10	1,023.72	10	1,385.11	10	1,746.51	10	2,107.91	10	2,469.30	10	2,830.51	10	3,191.72	10	3,552.38
1/4	309.14	1/4	670.48	1/4	1,031.25	1/4	1,392.64	1/4	1,754.04	1/4	2,115.44	1/4	2,476.83	1/4	2,838.04	1/4	3,199.24	1/4	3,559.87
1/2	316.67	1/2	677.97	1/2	1,038.77	1/2	1,400.17	1/2	1,761.57	1/2	2,122.97	1/2	2,484.36	1/2	2,845.56	1/2	3,206.77	1/2	3,567.37
3/4	324.20	3/4	685.48	3/4	1,046.30	3/4	1,407.70	3/4	1,769.10	3/4	2,130.49	3/4	2,491.88	3/4	2,853.09	3/4	3,214.29	3/4	3,574.88
11	331.73	11	692.99	11	1,053.83	11	1,415.23	11	1,776.63	11	2,138.02	11	2,499.41	11	2,860.61	11	3,221.82	11	3,582.36
1/4	339.26	1/4	700.50	1/4	1,061.36	1/4	1,422.76	1/4	1,784.16	1/4	2,145.55	1/4	2,506.93	1/4	2,868.14	1/4	3,229.34	1/4	3,589.85
1/2	346.79	1/2	708.00	1/2	1,068.89	1/2	1,430.29	1/2	1,791.68	1/2	2,153.08	1/2	2,514.46	1/2	2,875.66	1/2	3,236.87	1/2	3,597.34
3/4	354.32	3/4	715.51	3/4	1,076.42	3/4	1,437.82	3/4	1,799.21	3/4	2,160.61	3/4	2,521.98	3/4	2,883.19	3/4	3,244.39	3/4	3,604.84

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 41'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2002
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 508"

3 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,612.33	0	3,909.58	0	4,199.20	0	4,485.61	0	4,768.58	0	4,922.34	0		0		0		0	
1/4	3,619.15	1/4	3,916.69	1/4	4,204.99	1/4	4,470.86	1/4	4,711.42	1/4	4,926.48	1/4		1/4		1/4		1/4	
1/2	3,625.96	1/2	3,921.83	1/2	4,210.79	1/2	4,476.12	1/2	4,716.17	1/2	4,930.58	1/2		1/2		1/2		1/2	
3/4	3,632.78	3/4	3,927.96	3/4	4,216.58	3/4	4,481.38	3/4	4,720.91	3/4	4,934.70	3/4		3/4		3/4		3/4	
1	3,639.59	1	3,934.10	1	4,222.37	1	4,486.64	1	4,725.65	1	4,938.82	1		1		1		1	
1/4	3,645.73	1/4	3,940.23	1/4	4,228.12	1/4	4,491.86	1/4	4,730.38	1/4	4,943.88	1/4		1/4		1/4		1/4	
1/2	3,651.86	1/2	3,946.37	1/2	4,233.86	1/2	4,497.07	1/2	4,735.08	1/2	4,948.93	1/2		1/2		1/2		1/2	
3/4	3,658.00	3/4	3,952.50	3/4	4,239.61	3/4	4,502.29	3/4	4,739.78	3/4	4,953.99	3/4		3/4		3/4		3/4	
2	3,664.14	2	3,958.64	2	4,245.36	2	4,507.51	2	4,744.45	2	4,959.05	2		2		2		2	
1/4	3,670.27	1/4	3,964.77	1/4	4,251.07	1/4	4,512.68	1/4	4,749.11	1/4	4,966.06	1/4		1/4		1/4		1/4	
1/2	3,676.41	1/2	3,970.91	1/2	4,256.77	1/2	4,517.85	1/2	4,753.76	1/2	4,971.07	1/2		1/2		1/2		1/2	
3/4	3,682.54	3/4	3,977.05	3/4	4,262.48	3/4	4,523.02	3/4	4,758.42	3/4	4,977.08	3/4		3/4		3/4		3/4	
3	3,688.68	3	3,983.18	3	4,268.18	3	4,528.20	3	4,763.08	3	4,983.10	3		3		3		3	
1/4	3,694.81	1/4	3,989.32	1/4	4,273.85	1/4	4,533.33	1/4	4,767.69	1/4	4,989.11	1/4		1/4		1/4		1/4	
1/2	3,700.95	1/2	3,995.46	1/2	4,279.51	1/2	4,538.46	1/2	4,772.30	1/2	4,995.13	1/2		1/2		1/2		1/2	
3/4	3,707.08	3/4	4,001.59	3/4	4,285.17	3/4	4,543.59	3/4	4,776.92	3/4	5,001.14	3/4		3/4		3/4		3/4	
4	3,713.22	4	4,007.72	4	4,290.83	4	4,548.72	4	4,781.53	4	5,007.15	4		4		4		4	
1/4	3,719.35	1/4	4,013.86	1/4	4,296.45	1/4	4,553.50	1/4	4,786.10	1/4	5,012.70	1/4		1/4		1/4		1/4	
1/2	3,725.49	1/2	4,019.97	1/2	4,302.07	1/2	4,558.69	1/2	4,790.67	1/2	5,018.24	1/2		1/2		1/2		1/2	
3/4	3,731.63	3/4	4,026.10	3/4	4,307.69	3/4	4,563.98	3/4	4,795.24	3/4	5,023.78	3/4		3/4		3/4		3/4	
5	3,737.76	5	4,032.23	5	4,313.31	5	4,569.06	5	4,799.81	5	5,029.33	5		5		5		5	
1/4	3,743.90	1/4	4,038.32	1/4	4,318.89	1/4	4,574.11	1/4	4,804.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,750.03	1/2	4,044.41	1/2	4,324.46	1/2	4,579.15	1/2	4,808.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,756.17	3/4	4,050.50	3/4	4,330.04	3/4	4,584.20	3/4	4,813.40	3/4		3/4		3/4		3/4		3/4	
6	3,762.30	6	4,056.60	6	4,335.61	6	4,589.24	6	4,817.92	6		6		6		6		6	
1/4	3,768.44	1/4	4,062.65	1/4	4,341.15	1/4	4,594.24	1/4	4,822.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,774.57	1/2	4,068.69	1/2	4,346.68	1/2	4,599.24	1/2	4,826.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,780.71	3/4	4,074.74	3/4	4,352.21	3/4	4,604.24	3/4	4,831.38	3/4		3/4		3/4		3/4		3/4	
7	3,786.85	7	4,080.79	7	4,357.75	7	4,609.24	7	4,835.86	7		7		7		7		7	
1/4	3,792.98	1/4	4,086.80	1/4	4,363.24	1/4	4,614.20	1/4	4,840.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,799.12	1/2	4,092.81	1/2	4,368.73	1/2	4,619.16	1/2	4,844.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,805.26	3/4	4,098.81	3/4	4,374.22	3/4	4,624.12	3/4	4,849.19	3/4		3/4		3/4		3/4		3/4	
8	3,811.39	8	4,104.82	8	4,379.71	8	4,629.08	8	4,853.63	8		8		8		8		8	
1/4	3,817.52	1/4	4,110.78	1/4	4,385.16	1/4	4,633.98	1/4	4,858.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,823.66	1/2	4,116.75	1/2	4,390.59	1/2	4,638.90	1/2	4,862.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,829.79	3/4	4,122.71	3/4	4,396.03	3/4	4,643.82	3/4	4,866.82	3/4		3/4		3/4		3/4		3/4	
9	3,835.93	9	4,128.67	9	4,401.47	9	4,648.73	9	4,871.22	9		9		9		9		9	
1/4	3,842.06	1/4	4,134.59	1/4	4,406.85	1/4	4,653.61	1/4	4,875.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,848.20	1/2	4,140.51	1/2	4,412.24	1/2	4,658.48	1/2	4,879.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,854.34	3/4	4,146.44	3/4	4,417.63	3/4	4,663.35	3/4	4,884.29	3/4		3/4		3/4		3/4		3/4	
10	3,860.47	10	4,152.36	10	4,423.02	10	4,668.22	10	4,888.65	10		10		10		10		10	
1/4	3,866.61	1/4	4,158.23	1/4	4,428.38	1/4	4,673.06	1/4	4,892.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,872.74	1/2	4,164.11	1/2	4,433.71	1/2	4,677.88	1/2	4,897.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,878.88	3/4	4,169.99	3/4	4,439.05	3/4	4,682.71	3/4	4,901.42	3/4		3/4		3/4		3/4		3/4	
11	3,885.01	11	4,175.87	11	4,444.40	11	4,687.54	11	4,905.68	11		11		11		11		11	
1/4	3,891.15	1/4	4,181.70	1/4	4,449.70	1/4	4,692.32	1/4	4,909.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,897.28	1/2	4,187.53	1/2	4,455.00	1/2	4,697.11	1/2	4,914.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,903.42	3/4	4,193.37	3/4	4,460.30	3/4	4,701.89	3/4	4,918.17	3/4		3/4		3/4		3/4		3/4	

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ALL PRIOR TO 07/2019

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BARGE "EMS 508"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	13.04	0	362.46	0	724.04	0	1,075.61	0	1,431.52	0	1,793.09	0	2,161.63	0	2,513.36	0	2,874.69	0	3,236.05
1/4	18.07	1/4	370.00	1/4	731.56	1/4	1,082.82	1/4	1,439.08	1/4	1,800.59	1/4	2,169.44	1/4	2,520.87	1/4	2,882.12	1/4	3,243.58
1/2	23.10	1/2	377.54	1/2	739.08	1/2	1,090.03	1/2	1,446.58	1/2	1,808.09	1/2	2,176.94	1/2	2,528.39	1/2	2,889.65	1/2	3,251.11
3/4	28.14	3/4	385.08	3/4	746.59	3/4	1,097.24	3/4	1,454.11	3/4	1,815.59	3/4	2,174.45	3/4	2,535.91	3/4	2,897.18	3/4	3,258.64
1	33.17	1	392.61	1	754.11	1	1,104.45	1	1,461.65	1	1,823.10	1	2,181.95	1	2,543.43	1	2,904.71	1	3,266.17
1/4	40.09	1/4	400.15	1/4	761.62	1/4	1,111.67	1/4	1,469.18	1/4	1,830.57	1/4	2,189.49	1/4	2,550.95	1/4	2,912.24	1/4	3,273.70
1/2	47.01	1/2	407.69	1/2	769.14	1/2	1,118.89	1/2	1,476.71	1/2	1,838.04	1/2	2,197.02	1/2	2,558.46	1/2	2,919.77	1/2	3,281.23
3/4	53.93	3/4	415.22	3/4	776.66	3/4	1,126.10	3/4	1,484.25	3/4	1,845.52	3/4	2,204.56	3/4	2,565.98	3/4	2,927.30	3/4	3,288.76
2	60.85	2	422.76	2	784.17	2	1,133.32	2	1,491.78	2	1,852.99	2	2,212.09	2	2,573.50	2	2,934.83	2	3,296.29
1/4	68.40	1/4	430.30	1/4	791.69	1/4	1,140.54	1/4	1,499.31	1/4	1,860.46	1/4	2,219.63	1/4	2,581.02	1/4	2,942.36	1/4	3,303.82
1/2	75.95	1/2	437.84	1/2	799.21	1/2	1,147.76	1/2	1,506.84	1/2	1,867.94	1/2	2,227.17	1/2	2,588.54	1/2	2,949.89	1/2	3,311.35
3/4	83.49	3/4	445.37	3/4	806.72	3/4	1,154.98	3/4	1,514.38	3/4	1,875.41	3/4	2,234.70	3/4	2,596.06	3/4	2,957.42	3/4	3,318.89
3	91.04	3	452.91	3	814.24	3	1,162.21	3	1,521.91	3	1,882.88	3	2,242.24	3	2,603.58	3	2,964.95	3	3,326.42
1/4	98.59	1/4	460.45	1/4	821.75	1/4	1,169.43	1/4	1,529.44	1/4	1,890.36	1/4	2,249.77	1/4	2,611.10	1/4	2,972.48	1/4	3,333.95
1/2	106.14	1/2	467.99	1/2	829.27	1/2	1,176.66	1/2	1,536.97	1/2	1,897.83	1/2	2,257.31	1/2	2,618.62	1/2	2,980.01	1/2	3,341.48
3/4	113.69	3/4	475.52	3/4	836.79	3/4	1,183.87	3/4	1,544.51	3/4	1,905.31	3/4	2,264.85	3/4	2,626.14	3/4	2,987.54	3/4	3,349.01
4	121.24	4	483.06	4	844.30	4	1,191.09	4	1,552.04	4	1,912.78	4	2,272.38	4	2,633.65	4	2,995.07	4	3,356.54
1/4	128.79	1/4	490.60	1/4	851.86	1/4	1,198.47	1/4	1,559.57	1/4	1,920.25	1/4	2,279.92	1/4	2,641.18	1/4	3,002.60	1/4	3,364.07
1/2	136.33	1/2	498.13	1/2	859.02	1/2	1,205.85	1/2	1,567.11	1/2	1,927.73	1/2	2,287.46	1/2	2,648.70	1/2	3,010.13	1/2	3,371.60
3/4	143.88	3/4	505.67	3/4	866.38	3/4	1,213.22	3/4	1,574.64	3/4	1,935.20	3/4	2,294.99	3/4	2,656.22	3/4	3,017.67	3/4	3,379.13
5	151.42	5	513.21	5	873.74	5	1,220.60	5	1,582.17	5	1,942.67	5	2,302.53	5	2,663.74	5	3,025.20	5	3,386.66
1/4	158.96	1/4	520.75	1/4	880.95	1/4	1,228.13	1/4	1,589.70	1/4	1,950.15	1/4	2,310.06	1/4	2,671.27	1/4	3,032.73	1/4	3,394.18
1/2	166.50	1/2	528.28	1/2	888.15	1/2	1,235.67	1/2	1,597.24	1/2	1,957.62	1/2	2,317.60	1/2	2,678.80	1/2	3,040.26	1/2	3,401.69
3/4	174.04	3/4	535.82	3/4	895.36	3/4	1,243.20	3/4	1,604.77	3/4	1,965.09	3/4	2,325.13	3/4	2,686.33	3/4	3,047.79	3/4	3,409.21
6	181.58	6	543.36	6	902.56	6	1,250.73	6	1,612.30	6	1,972.57	6	2,332.67	6	2,693.85	6	3,055.32	6	3,416.73
1/4	189.12	1/4	550.89	1/4	909.77	1/4	1,258.26	1/4	1,619.83	1/4	1,980.04	1/4	2,340.21	1/4	2,701.38	1/4	3,062.85	1/4	3,424.23
1/2	196.66	1/2	558.43	1/2	916.99	1/2	1,265.80	1/2	1,627.37	1/2	1,987.51	1/2	2,347.74	1/2	2,708.91	1/2	3,070.38	1/2	3,431.73
3/4	204.19	3/4	565.97	3/4	924.20	3/4	1,273.33	3/4	1,634.90	3/4	1,994.99	3/4	2,355.28	3/4	2,716.45	3/4	3,077.91	3/4	3,439.23
7	211.73	7	573.51	7	931.41	7	1,280.86	7	1,642.43	7	2,002.46	7	2,362.81	7	2,723.98	7	3,085.44	7	3,446.72
1/4	219.26	1/4	581.04	1/4	938.62	1/4	1,288.40	1/4	1,649.96	1/4	2,009.93	1/4	2,370.35	1/4	2,731.51	1/4	3,092.97	1/4	3,454.22
1/2	226.80	1/2	588.58	1/2	945.83	1/2	1,295.93	1/2	1,657.50	1/2	2,017.41	1/2	2,377.89	1/2	2,739.04	1/2	3,100.50	1/2	3,461.72
3/4	234.34	3/4	596.12	3/4	953.04	3/4	1,303.46	3/4	1,665.03	3/4	2,024.88	3/4	2,385.42	3/4	2,746.57	3/4	3,108.03	3/4	3,469.22
8	241.87	8	603.66	8	960.25	8	1,310.99	8	1,672.56	8	2,032.35	8	2,392.96	8	2,754.10	8	3,115.56	8	3,476.72
1/4	249.41	1/4	611.19	1/4	967.46	1/4	1,318.53	1/4	1,680.10	1/4	2,039.83	1/4	2,400.49	1/4	2,761.63	1/4	3,123.09	1/4	3,484.22
1/2	256.94	1/2	618.73	1/2	974.67	1/2	1,326.06	1/2	1,687.63	1/2	2,047.30	1/2	2,408.02	1/2	2,769.16	1/2	3,130.62	1/2	3,491.72
3/4	264.48	3/4	626.27	3/4	981.88	3/4	1,333.59	3/4	1,695.16	3/4	2,054.78	3/4	2,415.55	3/4	2,776.69	3/4	3,138.15	3/4	3,499.22
9	272.02	9	633.80	9	989.09	9	1,341.12	9	1,702.69	9	2,062.25	9	2,423.09	9	2,784.22	9	3,145.69	9	3,506.72
1/4	279.56	1/4	641.33	1/4	996.30	1/4	1,348.66	1/4	1,710.23	1/4	2,069.72	1/4	2,430.61	1/4	2,791.75	1/4	3,153.21	1/4	3,514.22
1/2	287.09	1/2	648.86	1/2	1,003.51	1/2	1,356.19	1/2	1,717.76	1/2	2,077.20	1/2	2,438.14	1/2	2,799.28	1/2	3,160.74	1/2	3,521.72
3/4	294.63	3/4	656.39	3/4	1,010.72	3/4	1,363.72	3/4	1,725.29	3/4	2,084.67	3/4	2,445.66	3/4	2,806.81	3/4	3,168.28	3/4	3,529.22
10	302.17	10	663.91	10	1,017.93	10	1,371.26	10	1,732.82	10	2,092.14	10	2,453.19	10	2,814.34	10	3,175.81	10	3,536.72
1/4	309.70	1/4	671.43	1/4	1,025.14	1/4	1,378.79	1/4	1,740.36	1/4	2,099.62	1/4	2,460.71	1/4	2,821.87	1/4	3,183.34	1/4	3,544.23
1/2	317.24	1/2	678.95	1/2	1,032.35	1/2	1,386.32	1/2	1,747.89	1/2	2,107.09	1/2	2,468.23	1/2	2,829.40	1/2	3,190.87	1/2	3,551.74
3/4	324.78	3/4	686.48	3/4	1,039.56	3/4	1,393.85	3/4	1,755.42	3/4	2,114.56	3/4	2,475.75	3/4	2,836.93	3/4	3,198.40	3/4	3,559.25
11	332.32	11	693.98	11	1,046.77	11	1,401.38	11	1,762.96	11	2,122.04	11	2,483.27	11	2,844.46	11	3,205.93	11	3,566.75
1/4	339.85	1/4	701.49	1/4	1,053.98	1/4	1,408.92	1/4	1,770.49	1/4	2,129.51	1/4	2,490.79	1/4	2,851.99	1/4	3,213.46	1/4	3,574.27
1/2	347.39	1/2	709.01	1/2	1,061.19	1/2	1,416.45	1/2	1,778.02	1/2	2,136.98	1/2	2,498.31	1/2	2,859.52	1/2	3,220.99	1/2	3,581.78
3/4	354.93	3/4	716.53	3/4	1,068.40	3/4	1,423.98	3/4	1,785.55	3/4	2,144.46	3/4	2,505.83	3/4	2,867.06	3/4	3,228.52	3/4	3,589.30

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 41'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "EMS 508"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	3,598.81	0	3,895.24	0	4,188.12	0	4,483.88	0	4,696.34	0	4,913.51	0		0		0		0	
1/4	3,603.65	1/4	3,901.40	1/4	4,191.94	1/4	4,489.14	1/4	4,701.11	1/4	4,917.66	1/4		1/4		1/4		1/4	
1/2	3,610.49	1/2	3,907.57	1/2	4,197.76	1/2	4,494.42	1/2	4,705.88	1/2	4,921.81	1/2		1/2		1/2		1/2	
3/4	3,617.33	3/4	3,913.73	3/4	4,203.58	3/4	4,499.71	3/4	4,710.66	3/4	4,925.97	3/4		3/4		3/4		3/4	
1	3,624.16	1	3,919.89	1	4,209.40	1	4,475.00	1	4,715.43	1	4,930.12	1		1		1		1	
1/4	3,630.33	1/4	3,926.06	1/4	4,215.17	1/4	4,480.24	1/4	4,720.16	1/4	4,935.21	1/4		1/4		1/4		1/4	
1/2	3,636.49	1/2	3,932.21	1/2	4,220.95	1/2	4,485.49	1/2	4,724.89	1/2	4,940.29	1/2		1/2		1/2		1/2	
3/4	3,642.65	3/4	3,938.37	3/4	4,226.72	3/4	4,490.73	3/4	4,729.62	3/4	4,945.38	3/4		3/4		3/4		3/4	
2	3,648.81	2	3,944.53	2	4,232.50	2	4,495.98	2	4,734.35	2	4,950.46	2		2		2		2	
1/4	3,654.97	1/4	3,950.69	1/4	4,238.23	1/4	4,501.18	1/4	4,739.04	1/4	4,956.50	1/4		1/4		1/4		1/4	
1/2	3,661.13	1/2	3,956.85	1/2	4,243.96	1/2	4,506.38	1/2	4,743.73	1/2	4,962.54	1/2		1/2		1/2		1/2	
3/4	3,667.29	3/4	3,963.01	3/4	4,249.69	3/4	4,511.58	3/4	4,748.42	3/4	4,968.58	3/4		3/4		3/4		3/4	
3	3,673.46	3	3,969.17	3	4,255.42	3	4,516.78	3	4,753.10	3	4,974.62	3		3		3		3	
1/4	3,679.61	1/4	3,975.34	1/4	4,261.11	1/4	4,521.94	1/4	4,757.76	1/4	4,980.66	1/4		1/4		1/4		1/4	
1/2	3,685.77	1/2	3,981.50	1/2	4,266.80	1/2	4,527.10	1/2	4,762.39	1/2	4,986.70	1/2		1/2		1/2		1/2	
3/4	3,691.93	3/4	3,987.66	3/4	4,272.49	3/4	4,532.26	3/4	4,767.04	3/4	4,992.74	3/4		3/4		3/4		3/4	
4	3,698.09	4	3,993.82	4	4,278.18	4	4,537.42	4	4,771.68	4	4,998.78	4		4		4		4	
1/4	3,704.26	1/4	3,999.97	1/4	4,283.83	1/4	4,542.54	1/4	4,776.28	1/4	5,004.35	1/4		1/4		1/4		1/4	
1/2	3,710.42	1/2	4,006.12	1/2	4,289.48	1/2	4,547.65	1/2	4,780.89	1/2	5,009.91	1/2		1/2		1/2		1/2	
3/4	3,716.58	3/4	4,012.27	3/4	4,295.12	3/4	4,552.77	3/4	4,785.49	3/4	5,015.48	3/4		3/4		3/4		3/4	
5	3,722.74	5	4,018.42	5	4,300.77	5	4,557.89	5	4,790.09	5	5,021.05	5		5		5		5	
1/4	3,728.90	1/4	4,024.54	1/4	4,306.37	1/4	4,562.96	1/4	4,794.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,735.06	1/2	4,030.65	1/2	4,311.98	1/2	4,568.03	1/2	4,799.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,741.22	3/4	4,036.77	3/4	4,317.58	3/4	4,573.11	3/4	4,803.77	3/4		3/4		3/4		3/4		3/4	
6	3,747.38	6	4,042.89	6	4,323.18	6	4,578.18	6	4,808.33	6		6		6		6		6	
1/4	3,753.54	1/4	4,048.97	1/4	4,328.74	1/4	4,583.21	1/4	4,812.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,759.70	1/2	4,055.04	1/2	4,334.31	1/2	4,588.24	1/2	4,817.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,765.86	3/4	4,061.12	3/4	4,339.87	3/4	4,593.27	3/4	4,821.87	3/4		3/4		3/4		3/4		3/4	
7	3,772.03	7	4,067.19	7	4,345.43	7	4,598.30	7	4,826.39	7		7		7		7		7	
1/4	3,778.19	1/4	4,073.22	1/4	4,350.95	1/4	4,603.29	1/4	4,830.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,784.35	1/2	4,079.26	1/2	4,356.46	1/2	4,608.28	1/2	4,835.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,790.51	3/4	4,085.29	3/4	4,361.98	3/4	4,613.28	3/4	4,839.81	3/4		3/4		3/4		3/4		3/4	
8	3,796.67	8	4,091.32	8	4,367.50	8	4,618.25	8	4,844.28	8		8		8		8		8	
1/4	3,802.83	1/4	4,097.31	1/4	4,372.97	1/4	4,623.20	1/4	4,848.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,808.99	1/2	4,103.30	1/2	4,378.43	1/2	4,628.14	1/2	4,853.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,815.15	3/4	4,109.29	3/4	4,383.90	3/4	4,633.09	3/4	4,857.57	3/4		3/4		3/4		3/4		3/4	
9	3,821.31	9	4,115.28	9	4,389.37	9	4,638.03	9	4,862.00	9		9		9		9		9	
1/4	3,827.47	1/4	4,121.22	1/4	4,394.76	1/4	4,642.93	1/4	4,866.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,833.63	1/2	4,127.17	1/2	4,400.20	1/2	4,647.83	1/2	4,870.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,839.80	3/4	4,133.12	3/4	4,405.62	3/4	4,652.74	3/4	4,875.17	3/4		3/4		3/4		3/4		3/4	
10	3,845.96	10	4,139.06	10	4,411.03	10	4,657.64	10	4,879.55	10		10		10		10		10	
1/4	3,852.12	1/4	4,144.97	1/4	4,416.41	1/4	4,662.50	1/4	4,883.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,858.28	1/2	4,150.87	1/2	4,421.78	1/2	4,667.36	1/2	4,888.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,864.44	3/4	4,156.78	3/4	4,427.16	3/4	4,672.21	3/4	4,892.43	3/4		3/4		3/4		3/4		3/4	
11	3,870.60	11	4,162.68	11	4,432.53	11	4,677.07	11	4,896.72	11		11		11		11		11	
1/4	3,876.76	1/4	4,168.54	1/4	4,437.86	1/4	4,681.89	1/4	4,900.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,882.92	1/2	4,174.40	1/2	4,443.19	1/2	4,686.71	1/2	4,905.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,889.08	3/4	4,180.26	3/4	4,448.52	3/4	4,691.52	3/4	4,909.31	3/4		3/4		3/4		3/4		3/4	

STRAPPED: 06/27/2019 JS
CALCULATED: 06/27/2019 CL
PRINTED: 07/02/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2002
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 508"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 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
1 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
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
3 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
3 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4

(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 00-3/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 236'-06"

June 27, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net

BARGE "EMS 508"

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-11 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		0		0		0	4,808.76	0	4,540.07	0	4,248.05	0	3,931.98	0	3,594.39	0	3,252.79	0	2,911.19
1/4		1/4		1/4		1/4	4,803.39	1/4	4,534.23	1/4	4,241.72	1/4	3,925.14	1/4	3,587.27	1/4	3,245.67	1/4	2,904.08
1/2		1/2		1/2		1/2	4,798.04	1/2	4,528.39	1/2	4,235.40	1/2	3,918.31	1/2	3,580.16	1/2	3,238.56	1/2	2,896.96
3/4		3/4		3/4		3/4	4,792.64	3/4	4,522.61	3/4	4,229.03	3/4	3,911.44	3/4	3,573.04	3/4	3,231.44	3/4	2,889.85
1		1		1		1	4,787.25	1	4,516.83	1	4,222.66	1	3,904.57	1	3,565.92	1	3,224.32	1	2,882.73
1/4		1/4		1/4		1/4	4,781.85	1/4	4,510.75	1/4	4,216.29	1/4	3,897.69	1/4	3,558.81	1/4	3,217.20	1/4	2,875.61
1/2		1/2		1/2		1/2	4,776.46	1/2	4,504.67	1/2	4,209.93	1/2	3,890.82	1/2	3,551.69	1/2	3,210.09	1/2	2,868.50
3/4		3/4		3/4		3/4	4,771.02	3/4	4,498.95	3/4	4,203.52	3/4	3,883.90	3/4	3,544.57	3/4	3,202.97	3/4	2,861.38
2		2		2		2	4,765.59	2	4,493.03	2	4,197.11	2	3,876.99	2	3,537.46	2	3,195.86	2	2,854.26
1/4		1/4		1/4		1/4	4,760.15	1/4	4,487.10	1/4	4,190.70	1/4	3,870.08	1/4	3,530.34	1/4	3,188.74	1/4	2,847.15
1/2		1/2		1/2		1/2	4,754.72	1/2	4,481.18	1/2	4,184.29	1/2	3,863.16	1/2	3,523.22	1/2	3,181.62	1/2	2,840.03
3/4		3/4		3/4		3/4	4,749.24	3/4	4,475.22	3/4	4,177.83	3/4	3,856.21	3/4	3,516.11	3/4	3,174.50	3/4	2,832.91
3		3		3		3	4,743.77	3	4,469.26	3	4,171.38	3	3,849.26	3	3,508.99	3	3,167.39	3	2,825.80
1/4		1/4		1/4		1/4	4,738.29	1/4	4,463.30	1/4	4,164.92	1/4	3,842.30	1/4	3,501.87	1/4	3,160.27	1/4	2,818.68
1/2		1/2		1/2		1/2	4,732.82	1/2	4,457.33	1/2	4,158.46	1/2	3,835.34	1/2	3,494.76	1/2	3,153.15	1/2	2,811.56
3/4		3/4		3/4		3/4	4,727.30	3/4	4,451.33	3/4	4,151.95	3/4	3,828.35	3/4	3,487.64	3/4	3,146.04	3/4	2,804.45
4		4		4		4	4,721.79	4	4,445.33	4	4,145.44	4	3,821.35	4	3,480.52	4	3,138.92	4	2,797.33
1/4		1/4		1/4		1/4	4,716.27	1/4	4,439.32	1/4	4,138.93	1/4	3,814.36	1/4	3,473.41	1/4	3,131.80	1/4	2,790.22
1/2		1/2		1/2		1/2	4,710.75	1/2	4,433.32	1/2	4,132.42	1/2	3,807.36	1/2	3,466.29	1/2	3,124.69	1/2	2,783.10
3/4		3/4		3/4		3/4	4,705.19	3/4	4,427.28	3/4	4,125.88	3/4	3,800.33	3/4	3,459.17	3/4	3,117.57	3/4	2,775.98
5		5		5		5	4,699.64	5	4,421.24	5	4,119.33	5	3,793.29	5	3,452.06	5	3,110.45	5	2,768.87
1/4		1/4		1/4		1/4	4,694.08	1/4	4,415.19	1/4	4,112.78	1/4	3,786.26	1/4	3,444.94	1/4	3,103.34	1/4	2,761.75
1/2		1/2		1/2		1/2	4,688.52	1/2	4,409.15	1/2	4,106.23	1/2	3,779.22	1/2	3,437.82	1/2	3,096.22	1/2	2,754.63
3/4		3/4		3/4		3/4	4,682.93	3/4	4,403.06	3/4	4,099.64	3/4	3,772.16	3/4	3,430.71	3/4	3,089.10	3/4	2,747.52
6		6		6		6	4,677.33	6	4,396.98	6	4,093.05	6	3,765.07	6	3,423.59	6	3,081.99	6	2,740.40
1/4		1/4		1/4		1/4	4,671.73	1/4	4,390.90	1/4	4,086.46	1/4	3,757.99	1/4	3,416.47	1/4	3,074.87	1/4	2,733.28
1/2		1/2		1/2	4,948.58	1/2	4,666.13	1/2	4,384.81	1/2	4,079.87	1/2	3,750.92	1/2	3,409.36	1/2	3,067.76	1/2	2,726.17
3/4		3/4		3/4	4,942.23	3/4	4,660.50	3/4	4,378.69	3/4	4,073.24	3/4	3,743.81	3/4	3,402.24	3/4	3,060.64	3/4	2,719.05
7		7		7	4,935.88	7	4,654.86	7	4,372.58	7	4,066.61	7	3,736.70	7	3,395.12	7	3,053.52	7	2,711.94
1/4		1/4		1/4	4,929.52	1/4	4,649.22	1/4	4,366.44	1/4	4,059.98	1/4	3,729.59	1/4	3,388.01	1/4	3,046.40	1/4	2,704.82
1/2		1/2		1/2	4,923.27	1/2	4,643.58	1/2	4,360.32	1/2	4,053.35	1/2	3,722.49	1/2	3,380.89	1/2	3,039.29	1/2	2,697.70
3/4		3/4		3/4	4,916.17	3/4	4,637.90	3/4	4,354.15	3/4	4,046.68	3/4	3,715.37	3/4	3,373.77	3/4	3,032.17	3/4	2,690.59
8		8		8	4,908.08	8	4,632.23	8	4,347.99	8	4,040.01	8	3,708.26	8	3,366.66	8	3,025.05	8	2,683.47
1/4		1/4		1/4	4,900.98	1/4	4,626.55	1/4	4,341.82	1/4	4,033.34	1/4	3,701.14	1/4	3,359.54	1/4	3,017.94	1/4	2,676.35
1/2		1/2		1/2	4,893.88	1/2	4,620.87	1/2	4,335.66	1/2	4,026.67	1/2	3,694.02	1/2	3,352.42	1/2	3,010.82	1/2	2,669.24
3/4		3/4		3/4	4,886.78	3/4	4,615.18	3/4	4,329.45	3/4	4,019.95	3/4	3,686.91	3/4	3,345.30	3/4	3,003.71	3/4	2,662.12
9		9		9	4,879.69	9	4,609.43	9	4,323.25	9	4,013.24	9	3,679.79	9	3,338.19	9	2,996.59	9	2,655.00
1/4		1/4		1/4	4,872.59	1/4	4,603.71	1/4	4,317.04	1/4	4,006.53	1/4	3,672.67	1/4	3,331.07	1/4	2,989.47	1/4	2,647.89
1/2		1/2		1/2	4,865.49	1/2	4,597.99	1/2	4,310.83	1/2	3,999.82	1/2	3,665.56	1/2	3,323.95	1/2	2,982.36	1/2	2,640.77
3/4		3/4		3/4	4,859.30	3/4	4,592.23	3/4	4,304.59	3/4	3,993.07	3/4	3,658.44	3/4	3,316.84	3/4	2,975.24	3/4	2,633.65
10		10		10	4,853.10	10	4,586.47	10	4,298.34	10	3,986.32	10	3,651.32	10	3,309.72	10	2,968.13	10	2,626.54
1/4		1/4		1/4	4,846.91	1/4	4,580.72	1/4	4,292.10	1/4	3,979.56	1/4	3,644.21	1/4	3,302.60	1/4	2,961.01	1/4	2,619.42
1/2		1/2		1/2	4,840.71	1/2	4,574.96	1/2	4,285.85	1/2	3,972.81	1/2	3,637.09	1/2	3,295.49	1/2	2,953.89	1/2	2,612.31
3/4		3/4		3/4	4,835.40	3/4	4,569.18	3/4	4,279.58	3/4	3,966.02	3/4	3,629.97	3/4	3,288.37	3/4	2,946.78	3/4	2,605.19
11		11		11	4,830.08	11	4,563.38	11	4,273.28	11	3,959.23	11	3,622.86	11	3,281.26	11	2,939.66	11	2,598.07
1/4		1/4		1/4	4,824.77	1/4	4,557.56	1/4	4,266.99	1/4	3,952.44	1/4	3,615.74	1/4	3,274.14	1/4	2,932.54	1/4	2,590.96
1/2		1/2		1/2	4,819.46	1/2	4,551.76	1/2	4,260.70	1/2	3,945.64	1/2	3,608.62	1/2	3,267.02	1/2	2,925.43	1/2	2,583.84
3/4		3/4		3/4	4,814.10	3/4	4,545.91	3/4	4,254.38	3/4	3,938.81	3/4	3,601.51	3/4	3,259.90	3/4	2,918.31	3/4	2,576.72

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 37'-03" 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 508"

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-11 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	2,589.61	0	2,228.02	0	1,866.42	0	1,544.82	0	1,203.21	0	863.43	0	543.42	0	252.10	0		0	
1/4	2,582.49	1/4	2,220.90	1/4	1,879.31	1/4	1,537.70	1/4	1,196.10	1/4	858.48	1/4	537.05	1/4	246.34	1/4		1/4	
1/2	2,555.37	1/2	2,213.79	1/2	1,872.19	1/2	1,530.58	1/2	1,188.98	1/2	849.53	1/2	530.67	1/2	240.58	1/2		1/2	
3/4	2,548.26	3/4	2,206.67	3/4	1,865.07	3/4	1,523.47	3/4	1,181.86	3/4	842.64	3/4	524.36	3/4	234.87	3/4		3/4	
1	2,541.14	1	2,199.55	1	1,857.95	1	1,516.35	1	1,174.75	1	835.76	1	518.02	1	229.16	1		1	
1/4	2,534.03	1/4	2,192.44	1/4	1,850.84	1/4	1,509.23	1/4	1,167.63	1/4	828.85	1/4	511.70	1/4	223.44	1/4		1/4	
1/2	2,526.91	1/2	2,185.32	1/2	1,843.72	1/2	1,502.12	1/2	1,160.51	1/2	821.96	1/2	505.37	1/2	217.73	1/2		1/2	
3/4	2,519.79	3/4	2,178.21	3/4	1,836.60	3/4	1,495.00	3/4	1,153.40	3/4	815.11	3/4	499.10	3/4	212.07	3/4		3/4	
2	2,512.68	2	2,171.09	2	1,829.49	2	1,487.88	2	1,146.28	2	808.26	2	492.83	2	206.41	2		2	
1/4	2,505.56	1/4	2,163.97	1/4	1,822.37	1/4	1,480.77	1/4	1,139.16	1/4	801.42	1/4	486.56	1/4	200.75	1/4		1/4	
1/2	2,498.44	1/2	2,156.86	1/2	1,815.26	1/2	1,473.65	1/2	1,132.05	1/2	794.57	1/2	480.28	1/2	195.09	1/2		1/2	
3/4	2,491.33	3/4	2,149.74	3/4	1,808.13	3/4	1,466.53	3/4	1,124.93	3/4	787.77	3/4	474.06	3/4	189.45	3/4		3/4	
3	2,484.21	3	2,142.62	3	1,801.02	3	1,459.42	3	1,117.81	3	780.97	3	467.83	3	183.87	3		3	
1/4	2,477.09	1/4	2,135.51	1/4	1,793.90	1/4	1,452.30	1/4	1,110.70	1/4	774.17	1/4	461.61	1/4	178.26	1/4		1/4	
1/2	2,469.98	1/2	2,128.39	1/2	1,786.78	1/2	1,445.18	1/2	1,103.58	1/2	767.37	1/2	455.39	1/2	172.65	1/2		1/2	
3/4	2,462.86	3/4	2,121.27	3/4	1,779.67	3/4	1,438.07	3/4	1,096.46	3/4	760.61	3/4	449.22	3/4	167.10	3/4		3/4	
4	2,455.74	4	2,114.16	4	1,772.55	4	1,430.95	4	1,089.35	4	753.86	4	443.05	4	161.54	4		4	
1/4	2,448.63	1/4	2,107.04	1/4	1,765.43	1/4	1,423.83	1/4	1,082.23	1/4	747.11	1/4	436.88	1/4	155.98	1/4		1/4	
1/2	2,441.51	1/2	2,099.92	1/2	1,758.32	1/2	1,416.72	1/2	1,075.11	1/2	740.35	1/2	430.70	1/2	150.42	1/2		1/2	
3/4	2,434.40	3/4	2,092.81	3/4	1,751.20	3/4	1,409.60	3/4	1,066.01	3/4	733.64	3/4	424.53	3/4	144.91	3/4		3/4	
5	2,427.28	5	2,085.69	5	1,744.08	5	1,402.48	5	1,060.91	5	726.92	5	418.46	5	139.41	5		5	
1/4	2,420.16	1/4	2,078.57	1/4	1,736.97	1/4	1,395.37	1/4	1,053.80	1/4	720.20	1/4	412.34	1/4	133.90	1/4		1/4	
1/2	2,413.05	1/2	2,071.46	1/2	1,729.85	1/2	1,388.25	1/2	1,046.70	1/2	713.48	1/2	406.22	1/2	128.39	1/2		1/2	
3/4	2,405.93	3/4	2,064.34	3/4	1,722.73	3/4	1,381.13	3/4	1,039.61	3/4	706.80	3/4	400.15	3/4	122.94	3/4		3/4	
6	2,398.81	6	2,057.22	6	1,715.62	6	1,374.02	6	1,032.52	6	700.12	6	394.08	6	117.48	6		6	
1/4	2,391.70	1/4	2,050.11	1/4	1,708.50	1/4	1,366.90	1/4	1,025.43	1/4	693.44	1/4	388.02	1/4	112.02	1/4		1/4	
1/2	2,384.58	1/2	2,042.99	1/2	1,701.38	1/2	1,359.78	1/2	1,018.35	1/2	686.75	1/2	381.95	1/2	106.57	1/2		1/2	
3/4	2,377.46	3/4	2,035.87	3/4	1,694.27	3/4	1,352.67	3/4	1,011.27	3/4	680.12	3/4	375.93	3/4	101.16	3/4		3/4	
7	2,370.35	7	2,028.76	7	1,687.15	7	1,345.55	7	1,004.19	7	673.49	7	369.81	7	95.75	7		7	
1/4	2,363.23	1/4	2,021.64	1/4	1,680.03	1/4	1,338.43	1/4	997.11	1/4	666.86	1/4	363.69	1/4	90.35	1/4		1/4	
1/2	2,356.12	1/2	2,014.52	1/2	1,672.92	1/2	1,331.32	1/2	990.03	1/2	660.23	1/2	357.57	1/2	84.95	1/2		1/2	
3/4	2,349.00	3/4	2,007.41	3/4	1,665.80	3/4	1,324.20	3/4	982.96	3/4	653.65	3/4	351.91	3/4	79.59	3/4		3/4	
8	2,341.88	8	2,000.29	8	1,658.68	8	1,317.08	8	975.88	8	647.07	8	345.94	8	74.24	8		8	
1/4	2,334.77	1/4	1,993.17	1/4	1,651.57	1/4	1,309.97	1/4	968.81	1/4	640.49	1/4	339.97	1/4	68.89	1/4		1/4	
1/2	2,327.65	1/2	1,986.06	1/2	1,644.45	1/2	1,302.85	1/2	961.74	1/2	633.91	1/2	334.01	1/2	63.53	1/2		1/2	
3/4	2,320.53	3/4	1,978.94	3/4	1,637.33	3/4	1,295.73	3/4	954.67	3/4	627.38	3/4	328.09	3/4	58.23	3/4		3/4	
9	2,313.42	9	1,971.82	9	1,630.22	9	1,288.62	9	947.60	9	620.85	9	322.17	9	52.93	9		9	
1/4	2,306.30	1/4	1,964.71	1/4	1,623.10	1/4	1,281.50	1/4	940.54	1/4	614.32	1/4	316.26	1/4	47.62	1/4		1/4	
1/2	2,299.18	1/2	1,957.59	1/2	1,615.98	1/2	1,274.38	1/2	933.47	1/2	607.79	1/2	310.34	1/2	42.32	1/2		1/2	
3/4	2,292.07	3/4	1,950.47	3/4	1,608.87	3/4	1,267.28	3/4	926.43	3/4	601.32	3/4	304.48	3/4	37.66	3/4		3/4	
10	2,284.95	10	1,943.35	10	1,601.75	10	1,260.15	10	919.39	10	594.84	10	298.61	10	33.00	10		10	
1/4	2,277.83	1/4	1,936.24	1/4	1,594.63	1/4	1,253.03	1/4	912.34	1/4	588.36	1/4	292.75	1/4	28.35	1/4		1/4	
1/2	2,270.72	1/2	1,929.12	1/2	1,587.52	1/2	1,245.91	1/2	905.30	1/2	581.88	1/2	286.88	1/2	23.69	1/2		1/2	
3/4	2,263.60	3/4	1,922.01	3/4	1,580.40	3/4	1,238.80	3/4	898.31	3/4	575.45	3/4	281.07	3/4	20.37	3/4		3/4	
11	2,256.49	11	1,914.89	11	1,573.28	11	1,231.68	11	891.31	11	569.03	11	275.26	11	17.05	11		11	
1/4	2,249.37	1/4	1,907.77	1/4	1,566.17	1/4	1,224.56	1/4	884.31	1/4	562.60	1/4	269.44	1/4	13.73	1/4		1/4	
1/2	2,242.25	1/2	1,900.66	1/2	1,559.05	1/2	1,217.45	1/2	877.32	1/2	556.17	1/2	263.63	1/2	10.41	1/2		1/2	
3/4	2,235.14	3/4	1,893.54	3/4	1,551.93	3/4	1,210.33	3/4	870.37	3/4	549.80	3/4	257.87	3/4		3/4		3/4	

STRAPPED: 06/27/2019 JS
CALCULATED: 06/27/2019 CL
PRINTED: 07/02/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2002
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 508"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-11"

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		0		0		0	4,794.82	0	4,825.27	0	4,232.43	0	3,916.58	0	3,577.66	0	3,236.31	0	2,894.97
1/4		1/4		1/4		1/4	4,789.42	1/4	4,819.39	1/4	4,226.07	1/4	3,909.86	1/4	3,570.64	1/4	3,229.20	1/4	2,887.56
1/2		1/2		1/2		1/2	4,784.03	1/2	4,813.52	1/2	4,219.70	1/2	3,901.82	1/2	3,563.42	1/2	3,222.09	1/2	2,880.75
3/4		3/4		3/4		3/4	4,778.64	3/4	4,807.64	3/4	4,213.34	3/4	3,894.98	3/4	3,556.31	3/4	3,214.98	3/4	2,873.64
1		1		1		1	4,773.25	1	4,801.76	1	4,206.97	1	3,888.09	1	3,549.20	1	3,207.86	1	2,866.53
1/4		1/4		1/4		1/4	4,767.81	1/4	4,495.84	1/4	4,200.57	1/4	3,881.17	1/4	3,542.09	1/4	3,200.76	1/4	2,859.42
1/2		1/2		1/2		1/2	4,762.38	1/2	4,489.92	1/2	4,194.17	1/2	3,874.26	1/2	3,534.98	1/2	3,193.64	1/2	2,852.31
3/4		3/4		3/4		3/4	4,756.94	3/4	4,484.00	3/4	4,187.76	3/4	3,867.35	3/4	3,527.87	3/4	3,186.53	3/4	2,845.20
2		2		2		2	4,751.51	2	4,478.08	2	4,181.36	2	3,860.44	2	3,520.76	2	3,179.42	2	2,838.09
1/4		1/4		1/4		1/4	4,746.04	1/4	4,472.12	1/4	4,174.90	1/4	3,853.49	1/4	3,513.65	1/4	3,172.31	1/4	2,830.98
1/2		1/2		1/2		1/2	4,740.56	1/2	4,466.16	1/2	4,168.45	1/2	3,846.54	1/2	3,506.53	1/2	3,165.20	1/2	2,823.86
3/4		3/4		3/4		3/4	4,735.09	3/4	4,460.21	3/4	4,161.99	3/4	3,839.59	3/4	3,499.42	3/4	3,158.08	3/4	2,816.75
3		3		3		3	4,729.62	3	4,454.26	3	4,155.54	3	3,832.64	3	3,492.31	3	3,150.97	3	2,809.64
1/4		1/4		1/4		1/4	4,724.10	1/4	4,448.28	1/4	4,149.03	1/4	3,825.66	1/4	3,485.20	1/4	3,143.86	1/4	2,802.53
1/2		1/2		1/2		1/2	4,718.59	1/2	4,442.28	1/2	4,142.53	1/2	3,818.68	1/2	3,478.09	1/2	3,136.75	1/2	2,795.42
3/4		3/4		3/4		3/4	4,713.07	3/4	4,436.28	3/4	4,136.03	3/4	3,811.67	3/4	3,470.98	3/4	3,129.64	3/4	2,788.31
4		4		4		4	4,707.56	4	4,430.28	4	4,129.52	4	3,804.66	4	3,463.87	4	3,122.53	4	2,781.20
1/4		1/4		1/4		1/4	4,702.00	1/4	4,424.21	1/4	4,122.98	1/4	3,797.65	1/4	3,456.76	1/4	3,115.42	1/4	2,774.09
1/2		1/2		1/2		1/2	4,696.45	1/2	4,418.17	1/2	4,116.43	1/2	3,790.62	1/2	3,449.65	1/2	3,108.31	1/2	2,766.98
3/4		3/4		3/4		3/4	4,690.89	3/4	4,412.13	3/4	4,109.89	3/4	3,783.59	3/4	3,442.53	3/4	3,101.20	3/4	2,759.87
5		5		5		5	4,685.34	5	4,406.09	5	4,103.34	5	3,776.56	5	3,435.42	5	3,094.09	5	2,752.76
1/4		1/4		1/4		1/4	4,679.74	1/4	4,400.01	1/4	4,096.76	1/4	3,769.49	1/4	3,428.31	1/4	3,086.97	1/4	2,745.64
1/2		1/2		1/2		1/2	4,674.15	1/2	4,393.92	1/2	4,090.17	1/2	3,762.42	1/2	3,421.20	1/2	3,079.86	1/2	2,738.53
3/4		3/4		3/4		3/4	4,668.55	3/4	4,387.84	3/4	4,083.59	3/4	3,755.35	3/4	3,414.09	3/4	3,072.75	3/4	2,731.42
6		6		6	4,948.87	6	4,662.96	6	4,381.76	6	4,077.00	6	3,748.28	6	3,406.98	6	3,065.64	6	2,724.31
1/4		1/4		1/4	4,938.92	1/4	4,657.32	1/4	4,375.64	1/4	4,070.37	1/4	3,741.18	1/4	3,399.87	1/4	3,058.53	1/4	2,717.20
1/2		1/2		1/2	4,932.27	1/2	4,651.69	1/2	4,369.52	1/2	4,063.75	1/2	3,734.08	1/2	3,392.76	1/2	3,051.42	1/2	2,710.09
3/4		3/4		3/4	4,925.63	3/4	4,646.05	3/4	4,363.40	3/4	4,057.12	3/4	3,726.97	3/4	3,385.64	3/4	3,044.31	3/4	2,702.98
7		7		7	4,918.98	7	4,640.41	7	4,357.28	7	4,050.50	7	3,719.87	7	3,378.53	7	3,037.20	7	2,695.87
1/4		1/4		1/4	4,911.89	1/4	4,634.74	1/4	4,351.12	1/4	4,043.53	1/4	3,712.78	1/4	3,371.42	1/4	3,030.08	1/4	2,688.75
1/2		1/2		1/2	4,904.80	1/2	4,629.06	1/2	4,344.96	1/2	4,037.16	1/2	3,705.65	1/2	3,364.31	1/2	3,022.97	1/2	2,681.65
3/4		3/4		3/4	4,897.70	3/4	4,623.39	3/4	4,338.79	3/4	4,030.80	3/4	3,698.54	3/4	3,357.20	3/4	3,015.86	3/4	2,674.54
8		8		8	4,890.61	8	4,617.71	8	4,332.63	8	4,023.83	8	3,691.43	8	3,350.09	8	3,008.75	8	2,667.42
1/4		1/4		1/4	4,883.52	1/4	4,611.99	1/4	4,326.43	1/4	4,017.12	1/4	3,684.31	1/4	3,342.98	1/4	3,001.64	1/4	2,660.31
1/2		1/2		1/2	4,876.43	1/2	4,606.26	1/2	4,320.23	1/2	4,010.42	1/2	3,677.20	1/2	3,336.87	1/2	2,994.53	1/2	2,653.20
3/4		3/4		3/4	4,869.34	3/4	4,600.56	3/4	4,314.03	3/4	4,003.71	3/4	3,670.09	3/4	3,328.75	3/4	2,987.42	3/4	2,646.09
9		9		9	4,862.24	9	4,594.84	9	4,307.82	9	3,997.00	9	3,662.98	9	3,321.64	9	2,980.30	9	2,638.98
1/4		1/4		1/4	4,855.05	1/4	4,589.09	1/4	4,301.58	1/4	3,990.26	1/4	3,655.87	1/4	3,314.53	1/4	2,973.19	1/4	2,631.87
1/2		1/2		1/2	4,846.86	1/2	4,583.33	1/2	4,295.34	1/2	3,983.51	1/2	3,648.76	1/2	3,307.42	1/2	2,966.08	1/2	2,624.76
3/4		3/4		3/4	4,843.67	3/4	4,577.57	3/4	4,289.10	3/4	3,976.76	3/4	3,641.65	3/4	3,300.31	3/4	2,958.97	3/4	2,617.65
10		10		10	4,837.48	10	4,571.81	10	4,282.86	10	3,970.02	10	3,634.54	10	3,293.20	10	2,951.86	10	2,610.54
1/4		1/4		1/4	4,832.16	1/4	4,566.02	1/4	4,276.57	1/4	3,963.23	1/4	3,627.43	1/4	3,286.09	1/4	2,944.76	1/4	2,603.43
1/2		1/2		1/2	4,826.85	1/2	4,560.22	1/2	4,270.29	1/2	3,956.44	1/2	3,620.31	1/2	3,278.98	1/2	2,937.64	1/2	2,596.32
3/4		3/4		3/4	4,821.54	3/4	4,554.42	3/4	4,264.01	3/4	3,949.65	3/4	3,613.20	3/4	3,271.87	3/4	2,930.53	3/4	2,589.20
11		11		11	4,816.23	11	4,548.62	11	4,257.72	11	3,942.86	11	3,606.09	11	3,264.75	11	2,923.42	11	2,582.09
1/4		1/4		1/4	4,810.85	1/4	4,542.79	1/4	4,251.40	1/4	3,936.04	1/4	3,598.98	1/4	3,257.64	1/4	2,916.31	1/4	2,574.98
1/2		1/2		1/2	4,805.52	1/2	4,536.95	1/2	4,245.08	1/2	3,929.21	1/2	3,591.87	1/2	3,250.53	1/2	2,909.20	1/2	2,567.87
3/4		3/4		3/4	4,800.17	3/4	4,531.11	3/4	4,238.75	3/4	3,922.38	3/4	3,584.76	3/4	3,243.42	3/4	2,902.08	3/4	2,560.75

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 37'-03" 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 508"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-11"

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	2,553.65	0	2,212.33	0	1,870.99	0	1,529.65	0	1,188.31	0	849.10	0	530.44	0	240.49	0		0	
1/4	2,546.54	1/4	2,205.22	1/4	1,863.88	1/4	1,522.54	1/4	1,181.20	1/4	842.21	1/4	524.12	1/4	234.79	1/4		1/4	
1/2	2,539.43	1/2	2,198.11	1/2	1,856.77	1/2	1,515.43	1/2	1,174.09	1/2	835.32	1/2	517.80	1/2	229.08	1/2		1/2	
3/4	2,532.32	3/4	2,190.99	3/4	1,849.66	3/4	1,508.32	3/4	1,166.97	3/4	828.43	3/4	511.48	3/4	223.37	3/4		3/4	
1	2,525.21	1	2,183.88	1	1,842.55	1	1,501.20	1	1,159.86	1	821.54	1	505.16	1	217.66	1		1	
1/4	2,518.10	1/4	2,176.77	1/4	1,835.44	1/4	1,494.09	1/4	1,152.75	1/4	814.70	1/4	498.89	1/4	212.00	1/4		1/4	
1/2	2,510.99	1/2	2,169.66	1/2	1,828.32	1/2	1,486.98	1/2	1,145.64	1/2	807.85	1/2	492.62	1/2	206.34	1/2		1/2	
3/4	2,503.87	3/4	2,162.55	3/4	1,821.21	3/4	1,479.87	3/4	1,138.53	3/4	801.01	3/4	486.35	3/4	200.68	3/4		3/4	
2	2,496.76	2	2,155.44	2	1,814.10	2	1,472.76	2	1,131.42	2	794.17	2	480.08	2	195.02	2		2	
1/4	2,489.65	1/4	2,148.33	1/4	1,806.99	1/4	1,465.65	1/4	1,124.31	1/4	787.37	1/4	473.86	1/4	189.42	1/4		1/4	
1/2	2,482.54	1/2	2,141.22	1/2	1,799.88	1/2	1,458.54	1/2	1,117.19	1/2	780.58	1/2	467.64	1/2	183.81	1/2		1/2	
3/4	2,475.43	3/4	2,134.11	3/4	1,792.77	3/4	1,451.43	3/4	1,110.08	3/4	773.78	3/4	461.42	3/4	178.20	3/4		3/4	
3	2,468.32	3	2,127.00	3	1,785.66	3	1,444.31	3	1,102.97	3	766.98	3	455.20	3	172.60	3		3	
1/4	2,461.21	1/4	2,119.89	1/4	1,778.55	1/4	1,437.20	1/4	1,095.86	1/4	760.23	1/4	449.03	1/4	167.04	1/4		1/4	
1/2	2,454.10	1/2	2,112.78	1/2	1,771.43	1/2	1,430.09	1/2	1,088.75	1/2	753.49	1/2	442.87	1/2	161.48	1/2		1/2	
3/4	2,446.99	3/4	2,105.66	3/4	1,764.32	3/4	1,422.98	3/4	1,081.64	3/4	746.74	3/4	436.70	3/4	155.93	3/4		3/4	
4	2,439.88	4	2,098.55	4	1,757.21	4	1,415.87	4	1,074.53	4	739.99	4	430.53	4	150.37	4		4	
1/4	2,432.77	1/4	2,091.44	1/4	1,750.10	1/4	1,408.76	1/4	1,067.43	1/4	733.25	1/4	424.41	1/4	144.87	1/4		1/4	
1/2	2,425.65	1/2	2,084.33	1/2	1,742.99	1/2	1,401.66	1/2	1,060.33	1/2	726.56	1/2	418.30	1/2	139.36	1/2		1/2	
3/4	2,418.54	3/4	2,077.22	3/4	1,735.88	3/4	1,394.54	3/4	1,053.23	3/4	719.85	3/4	412.18	3/4	133.85	3/4		3/4	
5	2,411.43	5	2,070.11	5	1,728.77	5	1,387.42	5	1,046.13	5	713.14	5	406.06	5	128.35	5		5	
1/4	2,404.32	1/4	2,063.00	1/4	1,721.66	1/4	1,380.31	1/4	1,039.05	1/4	706.46	1/4	400.00	1/4	122.90	1/4		1/4	
1/2	2,397.21	1/2	2,055.89	1/2	1,714.54	1/2	1,373.20	1/2	1,031.97	1/2	699.78	1/2	393.93	1/2	117.44	1/2		1/2	
3/4	2,390.10	3/4	2,048.77	3/4	1,707.43	3/4	1,366.09	3/4	1,024.88	3/4	693.10	3/4	387.88	3/4	111.99	3/4		3/4	
6	2,382.99	6	2,041.66	6	1,700.32	6	1,358.98	6	1,017.80	6	686.42	6	381.80	6	106.53	6		6	
1/4	2,375.88	1/4	2,034.55	1/4	1,693.21	1/4	1,351.87	1/4	1,010.73	1/4	679.80	1/4	375.78	1/4	101.13	1/4		1/4	
1/2	2,368.77	1/2	2,027.44	1/2	1,686.10	1/2	1,344.76	1/2	1,003.65	1/2	673.17	1/2	369.77	1/2	95.73	1/2		1/2	
3/4	2,361.66	3/4	2,020.33	3/4	1,678.99	3/4	1,337.64	3/4	996.58	3/4	666.54	3/4	363.75	3/4	90.32	3/4		3/4	
7	2,354.55	7	2,013.22	7	1,671.88	7	1,330.53	7	989.50	7	659.92	7	357.74	7	84.92	7		7	
1/4	2,347.43	1/4	2,006.11	1/4	1,664.76	1/4	1,323.42	1/4	982.43	1/4	653.34	1/4	351.77	1/4	79.57	1/4		1/4	
1/2	2,340.32	1/2	1,999.00	1/2	1,657.65	1/2	1,316.31	1/2	975.37	1/2	646.77	1/2	345.81	1/2	74.21	1/2		1/2	
3/4	2,333.21	3/4	1,991.88	3/4	1,650.54	3/4	1,309.20	3/4	968.30	3/4	640.18	3/4	339.84	3/4	68.86	3/4		3/4	
8	2,326.10	8	1,984.77	8	1,643.43	8	1,302.09	8	961.23	8	633.61	8	333.88	8	63.51	8		8	
1/4	2,318.99	1/4	1,977.66	1/4	1,636.32	1/4	1,294.98	1/4	954.17	1/4	627.09	1/4	327.97	1/4	58.21	1/4		1/4	
1/2	2,311.88	1/2	1,970.55	1/2	1,629.21	1/2	1,287.87	1/2	947.10	1/2	620.58	1/2	322.06	1/2	52.91	1/2		1/2	
3/4	2,304.77	3/4	1,963.44	3/4	1,622.10	3/4	1,280.75	3/4	940.04	3/4	614.04	3/4	316.14	3/4	47.61	3/4		3/4	
9	2,297.66	9	1,956.33	9	1,614.99	9	1,273.64	9	932.98	9	607.52	9	310.23	9	42.30	9		9	
1/4	2,290.55	1/4	1,949.22	1/4	1,607.87	1/4	1,266.53	1/4	925.94	1/4	601.04	1/4	304.37	1/4	37.65	1/4		1/4	
1/2	2,283.44	1/2	1,942.11	1/2	1,600.76	1/2	1,259.42	1/2	918.91	1/2	594.57	1/2	298.50	1/2	32.99	1/2		1/2	
3/4	2,276.33	3/4	1,934.99	3/4	1,593.65	3/4	1,252.31	3/4	911.87	3/4	588.09	3/4	292.64	3/4	28.33	3/4		3/4	
10	2,269.21	10	1,927.88	10	1,586.54	10	1,245.20	10	904.83	10	581.62	10	286.78	10	23.67	10		10	
1/4	2,262.10	1/4	1,920.77	1/4	1,579.43	1/4	1,238.09	1/4	897.84	1/4	575.20	1/4	280.97	1/4	20.35	1/4		1/4	
1/2	2,254.99	1/2	1,913.66	1/2	1,572.32	1/2	1,230.98	1/2	890.85	1/2	568.77	1/2	275.19	1/2	17.03	1/2		1/2	
3/4	2,247.88	3/4	1,906.55	3/4	1,565.21	3/4	1,223.86	3/4	883.86	3/4	562.35	3/4	269.36	3/4	13.71	3/4		3/4	
11	2,240.77	11	1,899.44	11	1,558.10	11	1,216.75	11	876.86	11	555.93	11	263.54	11	10.39	11		11	
1/4	2,233.66	1/4	1,892.33	1/4	1,550.98	1/4	1,209.64	1/4	869.92	1/4	549.56	1/4	257.78	1/4		1/4		1/4	
1/2	2,226.55	1/2	1,885.21	1/2	1,543.87	1/2	1,202.53	1/2	862.98	1/2	543.18	1/2	252.01	1/2		1/2		1/2	
3/4	2,219.44	3/4	1,878.10	3/4	1,536.76	3/4	1,195.42	3/4	856.04	3/4	536.81	3/4	246.25	3/4		3/4		3/4	

STRAPPED: 06/27/2019 JS
CALCULATED: 06/27/2019 CL
PRINTED: 07/02/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2062
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 508"

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-11"

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		0		0		0	5,619.50	0	5,313.41	0	4,980.55	0	4,620.35	0	4,236.22	0	3,848.16	0	3,460.14
1/4		1/4		1/4		1/4	5,613.43	1/4	5,306.72	1/4	4,973.31	1/4	4,612.55	1/4	4,228.14	1/4	3,840.09	1/4	3,452.08
1/2		1/2		1/2		1/2	5,607.36	1/2	5,300.04	1/2	4,966.08	1/2	4,604.74	1/2	4,220.05	1/2	3,832.01	1/2	3,443.97
3/4		3/4		3/4		3/4	5,601.29	3/4	5,293.36	3/4	4,958.84	3/4	4,596.93	3/4	4,211.97	3/4	3,823.92	3/4	3,435.89
1		1		1		1	5,595.21	1	5,286.68	1	4,951.61	1	4,589.12	1	4,203.89	1	3,815.84	1	3,427.81
1/4		1/4		1/4		1/4	5,589.04	1/4	5,279.95	1/4	4,944.33	1/4	4,581.27	1/4	4,195.80	1/4	3,807.76	1/4	3,419.72
1/2		1/2		1/2		1/2	5,582.87	1/2	5,273.23	1/2	4,937.05	1/2	4,573.41	1/2	4,187.72	1/2	3,799.67	1/2	3,411.64
3/4		3/4		3/4		3/4	5,576.69	3/4	5,266.50	3/4	4,929.77	3/4	4,565.56	3/4	4,179.63	3/4	3,791.59	3/4	3,403.55
2		2		2		2	5,570.52	2	5,259.77	2	4,922.49	2	4,557.71	2	4,171.55	2	3,783.50	2	3,395.47
1/4		1/4		1/4		1/4	5,564.30	1/4	5,253.00	1/4	4,915.16	1/4	4,549.81	1/4	4,163.46	1/4	3,775.42	1/4	3,387.39
1/2		1/2		1/2		1/2	5,558.08	1/2	5,246.23	1/2	4,907.82	1/2	4,541.91	1/2	4,155.38	1/2	3,767.33	1/2	3,379.30
3/4		3/4		3/4		3/4	5,551.86	3/4	5,239.45	3/4	4,900.48	3/4	4,534.01	3/4	4,147.30	3/4	3,759.25	3/4	3,371.22
3		3		3		3	5,545.63	3	5,232.68	3	4,893.14	3	4,526.11	3	4,139.21	3	3,751.17	3	3,363.13
1/4		1/4		1/4		1/4	5,539.37	1/4	5,225.88	1/4	4,885.75	1/4	4,518.16	1/4	4,131.13	1/4	3,743.08	1/4	3,355.05
1/2		1/2		1/2		1/2	5,533.10	1/2	5,219.04	1/2	4,878.36	1/2	4,510.21	1/2	4,123.04	1/2	3,735.00	1/2	3,346.97
3/4		3/4		3/4		3/4	5,526.84	3/4	5,212.32	3/4	4,870.96	3/4	4,502.27	3/4	4,114.96	3/4	3,726.91	3/4	3,338.88
4		4		4		4	5,520.57	4	5,205.40	4	4,863.57	4	4,494.32	4	4,106.87	4	3,718.83	4	3,330.80
1/4		1/4		1/4		1/4	5,514.28	1/4	5,198.54	1/4	4,856.13	1/4	4,486.33	1/4	4,098.79	1/4	3,710.74	1/4	3,322.71
1/2		1/2		1/2		1/2	5,507.94	1/2	5,191.67	1/2	4,848.69	1/2	4,478.34	1/2	4,090.71	1/2	3,702.66	1/2	3,314.63
3/4		3/4		3/4		3/4	5,501.53	3/4	5,184.81	3/4	4,841.26	3/4	4,470.36	3/4	4,082.62	3/4	3,694.58	3/4	3,306.55
5		5		5		5	5,495.32	5	5,177.94	5	4,833.81	5	4,462.36	5	4,074.54	5	3,686.49	5	3,298.46
1/4		1/4		1/4		1/4	5,489.08	1/4	5,171.03	1/4	4,826.33	1/4	4,454.32	1/4	4,066.45	1/4	3,678.41	1/4	3,290.38
1/2		1/2		1/2		1/2	5,482.80	1/2	5,164.12	1/2	4,818.84	1/2	4,446.28	1/2	4,058.37	1/2	3,670.32	1/2	3,282.29
3/4		3/4		3/4		3/4	5,476.24	3/4	5,157.21	3/4	4,811.36	3/4	4,438.24	3/4	4,050.28	3/4	3,662.24	3/4	3,274.21
6		6		6	5,788.14	6	5,469.68	6	5,150.29	6	4,803.87	6	4,430.20	6	4,042.20	6	3,654.15	6	3,266.13
1/4		1/4		1/4	5,780.70	1/4	5,463.48	1/4	5,143.34	1/4	4,796.34	1/4	4,422.13	1/4	4,034.12	1/4	3,646.07	1/4	3,258.04
1/2		1/2		1/2	5,773.26	1/2	5,457.07	1/2	5,136.38	1/2	4,788.81	1/2	4,414.05	1/2	4,026.03	1/2	3,637.99	1/2	3,249.96
3/4		3/4		3/4	5,765.81	3/4	5,450.67	3/4	5,129.42	3/4	4,781.28	3/4	4,405.98	3/4	4,017.95	3/4	3,629.90	3/4	3,241.88
7		7		7	5,758.36	7	5,444.26	7	5,122.46	7	4,773.75	7	4,397.91	7	4,009.86	7	3,621.82	7	3,233.79
1/4		1/4		1/4	5,750.41	1/4	5,437.81	1/4	5,115.46	1/4	4,766.17	1/4	4,389.82	1/4	4,001.78	1/4	3,613.73	1/4	3,225.71
1/2		1/2		1/2	5,742.47	1/2	5,431.36	1/2	5,108.46	1/2	4,758.59	1/2	4,381.74	1/2	3,993.69	1/2	3,605.65	1/2	3,217.62
3/4		3/4		3/4	5,734.52	3/4	5,424.91	3/4	5,101.45	3/4	4,751.01	3/4	4,373.66	3/4	3,985.61	3/4	3,597.57	3/4	3,209.54
8		8		8	5,726.57	8	5,418.46	8	5,094.45	8	4,743.44	8	4,365.57	8	3,977.53	8	3,589.49	8	3,201.46
1/4		1/4		1/4	5,718.62	1/4	5,411.96	1/4	5,087.40	1/4	4,735.81	1/4	4,357.49	1/4	3,969.44	1/4	3,581.40	1/4	3,193.37
1/2		1/2		1/2	5,710.67	1/2	5,405.47	1/2	5,080.35	1/2	4,728.19	1/2	4,349.40	1/2	3,961.36	1/2	3,573.32	1/2	3,185.29
3/4		3/4		3/4	5,702.72	3/4	5,398.97	3/4	5,073.30	3/4	4,720.57	3/4	4,341.32	3/4	3,953.27	3/4	3,565.23	3/4	3,177.20
9		9		9	5,694.77	9	5,392.47	9	5,066.25	9	4,712.94	9	4,333.23	9	3,945.19	9	3,557.15	9	3,169.12
1/4		1/4		1/4	5,687.84	1/4	5,385.93	1/4	5,059.15	1/4	4,705.27	1/4	4,325.15	1/4	3,937.10	1/4	3,549.06	1/4	3,161.04
1/2		1/2		1/2	5,680.92	1/2	5,379.39	1/2	5,052.06	1/2	4,697.60	1/2	4,317.07	1/2	3,929.02	1/2	3,540.98	1/2	3,152.95
3/4		3/4		3/4	5,673.99	3/4	5,372.85	3/4	5,044.96	3/4	4,689.93	3/4	4,308.98	3/4	3,920.94	3/4	3,532.90	3/4	3,144.87
10		10		10	5,667.07	10	5,366.30	10	5,037.87	10	4,682.26	10	4,300.90	10	3,912.85	10	3,524.81	10	3,136.78
1/4		1/4		1/4	5,661.14	1/4	5,359.71	1/4	5,030.72	1/4	4,674.55	1/4	4,292.81	1/4	3,904.77	1/4	3,516.73	1/4	3,128.70
1/2		1/2		1/2	5,655.22	1/2	5,353.12	1/2	5,023.58	1/2	4,666.83	1/2	4,284.73	1/2	3,896.68	1/2	3,508.64	1/2	3,120.62
3/4		3/4		3/4	5,649.30	3/4	5,346.54	3/4	5,016.44	3/4	4,659.12	3/4	4,276.64	3/4	3,888.60	3/4	3,500.56	3/4	3,112.53
11		11		11	5,643.38	11	5,339.95	11	5,009.30	11	4,651.40	11	4,268.56	11	3,880.51	11	3,492.48	11	3,104.45
1/4		1/4		1/4	5,637.41	1/4	5,333.31	1/4	5,002.11	1/4	4,643.64	1/4	4,260.48	1/4	3,872.43	1/4	3,484.39	1/4	3,096.37
1/2		1/2		1/2	5,631.44	1/2	5,326.68	1/2	4,994.92	1/2	4,635.88	1/2	4,252.39	1/2	3,864.35	1/2	3,476.31	1/2	3,088.28
3/4		3/4		3/4	5,625.47	3/4	5,320.04	3/4	4,987.73	3/4	4,628.12	3/4	4,244.31	3/4	3,856.26	3/4	3,468.22	3/4	3,080.20

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2002
Pearland, Texas 77588
http://www.pmacorp.net

BARGE "EMS 508"

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-11"

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	3,072.11	0	2,684.09	0	2,296.06	0	1,908.00	0	1,519.95	0	1,131.91	0	744.13	0	356.16	0		0	
1/4	3,064.03	1/4	2,676.00	1/4	2,287.96	1/4	1,899.91	1/4	1,511.87	1/4	1,123.82	1/4	736.06	1/4	348.07	1/4		1/4	
1/2	3,055.95	1/2	2,667.92	1/2	2,279.88	1/2	1,891.83	1/2	1,503.78	1/2	1,115.74	1/2	727.98	1/2	339.99	1/2		1/2	
3/4	3,047.86	3/4	2,659.83	3/4	2,271.79	3/4	1,883.75	3/4	1,495.70	3/4	1,107.66	3/4	719.91	3/4	331.90	3/4		3/4	
1	3,039.78	1	2,651.75	1	2,263.71	1	1,875.66	1	1,487.62	1	1,099.57	1	711.84	1	323.82	1		1	
1/4	3,031.69	1/4	2,643.67	1/4	2,255.62	1/4	1,867.58	1/4	1,479.53	1/4	1,091.48	1/4	703.76	1/4	315.74	1/4		1/4	
1/2	3,023.61	1/2	2,635.58	1/2	2,247.54	1/2	1,859.49	1/2	1,471.45	1/2	1,083.40	1/2	695.68	1/2	307.65	1/2		1/2	
3/4	3,015.53	3/4	2,627.50	3/4	2,239.46	3/4	1,851.41	3/4	1,463.36	3/4	1,075.32	3/4	687.60	3/4	299.57	3/4		3/4	
2	3,007.44	2	2,619.42	2	2,231.37	2	1,843.32	2	1,455.28	2	1,067.23	2	679.52	2	291.49	2		2	
1/4	2,999.36	1/4	2,611.33	1/4	2,223.29	1/4	1,835.24	1/4	1,447.19	1/4	1,059.15	1/4	671.44	1/4	283.40	1/4		1/4	
1/2	2,991.27	1/2	2,603.25	1/2	2,215.20	1/2	1,827.16	1/2	1,439.11	1/2	1,051.06	1/2	663.35	1/2	275.32	1/2		1/2	
3/4	2,983.19	3/4	2,595.16	3/4	2,207.12	3/4	1,819.07	3/4	1,431.03	3/4	1,042.98	3/4	655.27	3/4	267.23	3/4		3/4	
3	2,975.11	3	2,587.08	3	2,199.03	3	1,810.99	3	1,422.94	3	1,034.89	3	647.18	3	259.15	3		3	
1/4	2,967.02	1/4	2,579.00	1/4	2,190.95	1/4	1,802.90	1/4	1,414.86	1/4	1,026.81	1/4	639.10	1/4	251.06	1/4		1/4	
1/2	2,958.94	1/2	2,570.91	1/2	2,182.87	1/2	1,794.82	1/2	1,406.77	1/2	1,018.73	1/2	631.02	1/2	242.98	1/2		1/2	
3/4	2,950.86	3/4	2,562.83	3/4	2,174.78	3/4	1,786.73	3/4	1,398.69	3/4	1,010.64	3/4	622.93	3/4	234.90	3/4		3/4	
4	2,942.77	4	2,554.74	4	2,166.70	4	1,778.65	4	1,390.60	4	1,002.56	4	614.85	4	226.81	4		4	
1/4	2,934.69	1/4	2,546.66	1/4	2,158.61	1/4	1,770.57	1/4	1,382.52	1/4	994.47	1/4	606.76	1/4	218.73	1/4		1/4	
1/2	2,926.60	1/2	2,538.57	1/2	2,150.53	1/2	1,762.48	1/2	1,374.44	1/2	986.39	1/2	598.68	1/2	210.64	1/2		1/2	
3/4	2,918.52	3/4	2,530.49	3/4	2,142.44	3/4	1,754.40	3/4	1,366.35	3/4	978.30	3/4	590.60	3/4	202.56	3/4		3/4	
5	2,910.44	5	2,522.41	5	2,134.36	5	1,746.31	5	1,358.27	5	970.22	5	582.51	5	194.48	5		5	
1/4	2,902.35	1/4	2,514.32	1/4	2,126.28	1/4	1,738.23	1/4	1,350.18	1/4	962.14	1/4	574.43	1/4	186.39	1/4		1/4	
1/2	2,894.27	1/2	2,506.24	1/2	2,118.19	1/2	1,730.14	1/2	1,342.10	1/2	954.05	1/2	566.34	1/2	178.31	1/2		1/2	
3/4	2,886.18	3/4	2,498.15	3/4	2,110.11	3/4	1,722.06	3/4	1,334.01	3/4	945.96	3/4	558.26	3/4	170.22	3/4		3/4	
6	2,878.10	6	2,490.07	6	2,102.02	6	1,713.98	6	1,325.93	6	937.90	6	550.18	6	162.14	6		6	
1/4	2,870.02	1/4	2,481.98	1/4	2,093.94	1/4	1,705.89	1/4	1,317.85	1/4	929.83	1/4	542.09	1/4	154.05	1/4		1/4	
1/2	2,861.93	1/2	2,473.90	1/2	2,085.86	1/2	1,697.81	1/2	1,309.76	1/2	921.76	1/2	534.01	1/2	145.97	1/2		1/2	
3/4	2,853.85	3/4	2,465.82	3/4	2,077.77	3/4	1,689.72	3/4	1,301.68	3/4	913.68	3/4	525.92	3/4	137.89	3/4		3/4	
7	2,845.76	7	2,457.73	7	2,069.69	7	1,681.64	7	1,293.59	7	905.61	7	517.84	7	129.80	7		7	
1/4	2,837.68	1/4	2,449.65	1/4	2,061.60	1/4	1,673.55	1/4	1,285.51	1/4	897.53	1/4	509.76	1/4	121.72	1/4		1/4	
1/2	2,829.60	1/2	2,441.56	1/2	2,053.52	1/2	1,665.47	1/2	1,277.42	1/2	889.46	1/2	501.67	1/2	113.63	1/2		1/2	
3/4	2,821.51	3/4	2,433.48	3/4	2,045.43	3/4	1,657.39	3/4	1,269.34	3/4	881.39	3/4	493.59	3/4	105.55	3/4		3/4	
8	2,813.43	8	2,425.39	8	2,037.35	8	1,649.30	8	1,261.26	8	873.31	8	485.50	8	97.47	8		8	
1/4	2,805.34	1/4	2,417.31	1/4	2,029.26	1/4	1,641.22	1/4	1,253.17	1/4	865.24	1/4	477.42	1/4	89.38	1/4		1/4	
1/2	2,797.26	1/2	2,409.23	1/2	2,021.18	1/2	1,633.13	1/2	1,245.09	1/2	857.17	1/2	469.33	1/2	81.30	1/2		1/2	
3/4	2,789.18	3/4	2,401.14	3/4	2,013.10	3/4	1,625.05	3/4	1,237.00	3/4	849.09	3/4	461.25	3/4	73.21	3/4		3/4	
9	2,781.09	9	2,393.06	9	2,005.01	9	1,616.96	9	1,228.92	9	841.02	9	453.17	9	65.13	9		9	
1/4	2,773.01	1/4	2,384.97	1/4	1,996.93	1/4	1,608.88	1/4	1,220.83	1/4	832.94	1/4	445.08	1/4	57.72	1/4		1/4	
1/2	2,764.93	1/2	2,376.89	1/2	1,988.84	1/2	1,600.80	1/2	1,212.75	1/2	824.87	1/2	437.00	1/2	50.31	1/2		1/2	
3/4	2,756.84	3/4	2,368.80	3/4	1,980.76	3/4	1,592.71	3/4	1,204.67	3/4	816.80	3/4	428.91	3/4	42.90	3/4		3/4	
10	2,748.76	10	2,360.72	10	1,972.67	10	1,584.63	10	1,196.58	10	808.72	10	420.83	10	35.49	10		10	
1/4	2,740.67	1/4	2,352.64	1/4	1,964.59	1/4	1,576.54	1/4	1,188.50	1/4	800.65	1/4	412.75	1/4	30.10	1/4		1/4	
1/2	2,732.59	1/2	2,344.55	1/2	1,956.50	1/2	1,568.46	1/2	1,180.41	1/2	792.57	1/2	404.66	1/2	24.71	1/2		1/2	
3/4	2,724.51	3/4	2,336.47	3/4	1,948.42	3/4	1,560.37	3/4	1,172.33	3/4	784.50	3/4	396.58	3/4	19.32	3/4		3/4	
11	2,716.42	11	2,328.38	11	1,940.34	11	1,552.29	11	1,164.24	11	776.43	11	388.49	11	13.93	11		11	
1/4	2,708.34	1/4	2,320.30	1/4	1,932.25	1/4	1,544.21	1/4	1,156.16	1/4	768.35	1/4	380.41	1/4		1/4		1/4	
1/2	2,700.25	1/2	2,312.21	1/2	1,924.17	1/2	1,536.12	1/2	1,148.07	1/2	760.28	1/2	372.33	1/2		1/2		1/2	
3/4	2,692.17	3/4	2,304.13	3/4	1,916.08	3/4	1,528.04	3/4	1,139.99	3/4	752.20	3/4	364.24	3/4		3/4		3/4	

STRAPPED: 06/27/2019 JS
CALCULATED: 06/27/2019 CL
PRINTED: 07/02/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "EMS 508"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-11 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		0		0		0	5,621.70	0	5,315.44	0	4,992.30	0	4,621.53	0	4,237.16	0	3,848.26	0	3,459.33
1/4		1/4		1/4		1/4	5,615.71	1/4	5,309.79	1/4	4,975.09	1/4	4,614.05	1/4	4,229.05	1/4	3,840.14	1/4	3,451.23
1/2		1/2		1/2		1/2	5,609.62	1/2	5,302.09	1/2	4,967.84	1/2	4,606.22	1/2	4,220.95	1/2	3,832.04	1/2	3,443.13
3/4		3/4		3/4		3/4	5,603.53	3/4	5,295.39	3/4	4,960.59	3/4	4,598.40	3/4	4,212.85	3/4	3,823.94	3/4	3,435.03
1		1		1		1	5,597.45	1	5,288.69	1	4,953.34	1	4,590.57	1	4,204.75	1	3,815.84	1	3,426.93
1/4		1/4		1/4		1/4	5,591.36	1/4	5,282.00	1/4	4,946.08	1/4	4,582.74	1/4	4,196.64	1/4	3,807.73	1/4	3,418.83
1/2		1/2		1/2		1/2	5,585.17	1/2	5,275.25	1/2	4,938.79	1/2	4,574.87	1/2	4,188.54	1/2	3,799.63	1/2	3,410.72
3/4		3/4		3/4		3/4	5,578.97	3/4	5,268.51	3/4	4,931.49	3/4	4,567.00	3/4	4,180.44	3/4	3,791.53	3/4	3,402.62
2		2		2		2	5,572.78	2	5,261.76	2	4,924.19	2	4,559.13	2	4,172.34	2	3,783.43	2	3,394.52
1/4		1/4		1/4		1/4	5,566.59	1/4	5,255.02	1/4	4,916.89	1/4	4,551.26	1/4	4,164.24	1/4	3,775.33	1/4	3,386.42
1/2		1/2		1/2		1/2	5,560.35	1/2	5,248.23	1/2	4,909.54	1/2	4,543.34	1/2	4,156.13	1/2	3,767.22	1/2	3,378.32
3/4		3/4		3/4		3/4	5,554.12	3/4	5,241.44	3/4	4,902.19	3/4	4,535.42	3/4	4,148.03	3/4	3,759.12	3/4	3,370.21
3		3		3		3	5,547.88	3	5,234.65	3	4,894.83	3	4,527.50	3	4,139.93	3	3,751.02	3	3,362.11
1/4		1/4		1/4		1/4	5,541.64	1/4	5,227.85	1/4	4,887.48	1/4	4,519.58	1/4	4,131.83	1/4	3,742.92	1/4	3,354.01
1/2		1/2		1/2		1/2	5,535.36	1/2	5,221.02	1/2	4,880.07	1/2	4,511.62	1/2	4,123.72	1/2	3,734.81	1/2	3,345.91
3/4		3/4		3/4		3/4	5,529.07	3/4	5,214.18	3/4	4,872.66	3/4	4,503.66	3/4	4,115.62	3/4	3,726.71	3/4	3,337.81
4		4		4		4	5,522.79	4	5,207.34	4	4,865.24	4	4,495.69	4	4,107.52	4	3,718.61	4	3,329.71
1/4		1/4		1/4		1/4	5,516.51	1/4	5,200.51	1/4	4,857.83	1/4	4,487.73	1/4	4,099.42	1/4	3,710.51	1/4	3,321.60
1/2		1/2		1/2		1/2	5,510.18	1/2	5,193.62	1/2	4,850.38	1/2	4,479.72	1/2	4,091.31	1/2	3,702.40	1/2	3,313.50
3/4		3/4		3/4		3/4	5,503.85	3/4	5,186.74	3/4	4,842.92	3/4	4,471.71	3/4	4,083.21	3/4	3,694.30	3/4	3,305.40
5		5		5		5	5,497.52	5	5,179.86	5	4,835.46	5	4,463.70	5	4,075.11	5	3,686.20	5	3,297.30
1/4		1/4		1/4		1/4	5,491.19	1/4	5,172.98	1/4	4,828.00	1/4	4,455.69	1/4	4,067.01	1/4	3,678.10	1/4	3,289.20
1/2		1/2		1/2		1/2	5,484.81	1/2	5,166.05	1/2	4,820.50	1/2	4,447.63	1/2	4,058.91	1/2	3,670.00	1/2	3,281.10
3/4		3/4		3/4		3/4	5,478.43	3/4	5,159.12	3/4	4,813.00	3/4	4,439.56	3/4	4,050.80	3/4	3,661.89	3/4	3,272.99
6		6		6		6	5,472.06	6	5,152.19	6	4,805.50	6	4,431.52	6	4,042.70	6	3,653.79	6	3,264.89
1/4		1/4		1/4	5,784.77	1/4	5,465.68	1/4	5,145.26	1/4	4,797.99	1/4	4,423.46	1/4	4,034.60	1/4	3,645.69	1/4	3,256.79
1/2		1/2		1/2	5,777.31	1/2	5,459.26	1/2	5,138.28	1/2	4,790.44	1/2	4,415.37	1/2	4,026.50	1/2	3,637.59	1/2	3,248.69
3/4		3/4		3/4	5,769.85	3/4	5,452.84	3/4	5,131.31	3/4	4,782.89	3/4	4,407.28	3/4	4,018.39	3/4	3,629.48	3/4	3,240.59
7		7		7	5,762.39	7	5,446.42	7	5,124.33	7	4,775.35	7	4,399.19	7	4,010.29	7	3,621.38	7	3,232.48
1/4		1/4		1/4	5,754.93	1/4	5,440.00	1/4	5,117.36	1/4	4,767.80	1/4	4,391.10	1/4	4,002.19	1/4	3,613.28	1/4	3,224.38
1/2		1/2		1/2	5,746.96	1/2	5,433.53	1/2	5,110.34	1/2	4,760.20	1/2	4,383.00	1/2	3,994.09	1/2	3,605.17	1/2	3,216.28
3/4		3/4		3/4	5,738.99	3/4	5,427.06	3/4	5,103.32	3/4	4,752.61	3/4	4,374.90	3/4	3,985.99	3/4	3,597.07	3/4	3,208.18
8		8		8	5,731.02	8	5,420.59	8	5,096.30	8	4,745.01	8	4,366.79	8	3,977.88	8	3,588.97	8	3,200.08
1/4		1/4		1/4	5,723.06	1/4	5,414.12	1/4	5,089.27	1/4	4,737.41	1/4	4,358.69	1/4	3,969.78	1/4	3,580.86	1/4	3,191.98
1/2		1/2		1/2	5,715.09	1/2	5,407.61	1/2	5,082.21	1/2	4,729.77	1/2	4,350.59	1/2	3,961.68	1/2	3,572.76	1/2	3,183.87
3/4		3/4		3/4	5,707.12	3/4	5,401.09	3/4	5,075.14	3/4	4,722.13	3/4	4,342.49	3/4	3,953.58	3/4	3,564.66	3/4	3,175.77
9		9		9	5,699.15	9	5,394.58	9	5,068.07	9	4,714.49	9	4,334.38	9	3,945.47	9	3,556.56	9	3,167.67
1/4		1/4		1/4	5,691.18	1/4	5,388.07	1/4	5,061.01	1/4	4,706.85	1/4	4,326.28	1/4	3,937.37	1/4	3,548.46	1/4	3,159.57
1/2		1/2		1/2	5,684.24	1/2	5,381.51	1/2	5,053.89	1/2	4,699.16	1/2	4,318.18	1/2	3,929.27	1/2	3,540.36	1/2	3,151.47
3/4		3/4		3/4	5,677.30	3/4	5,374.95	3/4	5,046.76	3/4	4,691.47	3/4	4,310.08	3/4	3,921.17	3/4	3,532.26	3/4	3,143.36
10		10		10	5,670.36	10	5,368.39	10	5,039.67	10	4,683.79	10	4,301.97	10	3,913.06	10	3,524.15	10	3,135.26
1/4		1/4		1/4	5,663.41	1/4	5,361.83	1/4	5,032.55	1/4	4,676.10	1/4	4,293.87	1/4	3,904.96	1/4	3,516.05	1/4	3,127.16
1/2		1/2		1/2	5,657.47	1/2	5,355.22	1/2	5,025.39	1/2	4,668.37	1/2	4,285.77	1/2	3,896.86	1/2	3,507.96	1/2	3,119.06
3/4		3/4		3/4	5,651.53	3/4	5,348.61	3/4	5,018.23	3/4	4,660.63	3/4	4,277.67	3/4	3,888.76	3/4	3,499.84	3/4	3,110.96
11		11		11	5,645.60	11	5,342.01	11	5,011.07	11	4,652.90	11	4,269.57	11	3,880.66	11	3,491.74	11	3,102.86
1/4		1/4		1/4	5,639.66	1/4	5,335.40	1/4	5,003.91	1/4	4,645.17	1/4	4,261.46	1/4	3,872.55	1/4	3,483.64	1/4	3,094.76
1/2		1/2		1/2	5,633.67	1/2	5,328.75	1/2	4,996.71	1/2	4,637.39	1/2	4,253.36	1/2	3,864.45	1/2	3,475.54	1/2	3,086.65
3/4		3/4		3/4	5,627.68	3/4	5,322.09	3/4	4,989.50	3/4	4,629.61	3/4	4,245.26	3/4	3,856.35	3/4	3,467.44	3/4	3,078.55

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 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2002
Pearland, Texas 77589
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BARGE "EMS 508"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-11 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	3,070.48	0	2,681.58	0	2,292.68	0	1,903.78	0	1,514.84	0	1,133.23	0	753.90	0	385.05	0		0	
1/4	3,062.36	1/4	2,673.46	1/4	2,284.56	1/4	1,895.65	1/4	1,506.74	1/4	1,125.48	1/4	745.80	1/4	356.95	1/4		1/4	
1/2	3,054.24	1/2	2,665.36	1/2	2,276.45	1/2	1,887.64	1/2	1,498.63	1/2	1,117.72	1/2	737.71	1/2	348.85	1/2		1/2	
3/4	3,046.14	3/4	2,657.26	3/4	2,268.35	3/4	1,879.44	3/4	1,490.53	3/4	1,109.97	3/4	729.62	3/4	340.74	3/4		3/4	
1	3,038.04	1	2,649.16	1	2,260.25	1	1,871.34	1	1,482.43	1	1,102.21	1	721.52	1	332.64	1		1	
1/4	3,029.94	1/4	2,641.06	1/4	2,252.15	1/4	1,863.24	1/4	1,474.33	1/4	1,094.46	1/4	713.43	1/4	324.54	1/4		1/4	
1/2	3,021.84	1/2	2,632.96	1/2	2,244.05	1/2	1,855.13	1/2	1,466.22	1/2	1,086.70	1/2	705.33	1/2	316.44	1/2		1/2	
3/4	3,013.74	3/4	2,624.85	3/4	2,235.94	3/4	1,847.03	3/4	1,458.12	3/4	1,078.95	3/4	697.23	3/4	308.34	3/4		3/4	
2	3,005.63	2	2,616.75	2	2,227.84	2	1,838.93	2	1,450.02	2	1,071.19	2	689.13	2	300.23	2		2	
1/4	2,997.53	1/4	2,608.65	1/4	2,219.74	1/4	1,830.83	1/4	1,441.92	1/4	1,063.44	1/4	681.03	1/4	292.13	1/4		1/4	
1/2	2,989.43	1/2	2,600.54	1/2	2,211.64	1/2	1,822.73	1/2	1,433.82	1/2	1,055.68	1/2	672.93	1/2	284.03	1/2		1/2	
3/4	2,981.33	3/4	2,592.44	3/4	2,203.53	3/4	1,814.62	3/4	1,425.71	3/4	1,047.93	3/4	664.82	3/4	275.93	3/4		3/4	
3	2,973.23	3	2,584.34	3	2,195.43	3	1,806.52	3	1,417.61	3	1,040.18	3	656.72	3	267.83	3		3	
1/4	2,965.12	1/4	2,576.24	1/4	2,187.33	1/4	1,798.42	1/4	1,409.51	1/4	1,032.42	1/4	648.62	1/4	259.72	1/4		1/4	
1/2	2,957.02	1/2	2,568.14	1/2	2,179.23	1/2	1,790.32	1/2	1,401.41	1/2	1,024.67	1/2	640.52	1/2	251.62	1/2		1/2	
3/4	2,948.92	3/4	2,560.03	3/4	2,171.12	3/4	1,782.21	3/4	1,393.30	3/4	1,016.91	3/4	632.42	3/4	243.52	3/4		3/4	
4	2,940.82	4	2,551.93	4	2,163.02	4	1,774.11	4	1,385.20	4	1,009.16	4	624.31	4	235.42	4		4	
1/4	2,932.72	1/4	2,543.83	1/4	2,154.92	1/4	1,766.01	1/4	1,377.10	1/4	1,001.40	1/4	616.21	1/4	227.32	1/4		1/4	
1/2	2,924.62	1/2	2,535.73	1/2	2,146.82	1/2	1,757.91	1/2	1,369.00	1/2	993.65	1/2	608.11	1/2	219.21	1/2		1/2	
3/4	2,916.51	3/4	2,527.63	3/4	2,138.72	3/4	1,749.81	3/4	1,360.89	3/4	985.89	3/4	600.01	3/4	211.11	3/4		3/4	
5	2,908.41	5	2,519.52	5	2,130.61	5	1,741.70	5	1,352.79	5	978.14	5	591.91	5	203.01	5		5	
1/4	2,900.31	1/4	2,511.42	1/4	2,122.51	1/4	1,733.60	1/4	1,344.69	1/4	970.38	1/4	583.80	1/4	194.91	1/4		1/4	
1/2	2,892.21	1/2	2,503.32	1/2	2,114.41	1/2	1,725.50	1/2	1,336.59	1/2	962.63	1/2	575.70	1/2	186.81	1/2		1/2	
3/4	2,884.11	3/4	2,495.22	3/4	2,106.31	3/4	1,717.40	3/4	1,328.49	3/4	954.88	3/4	567.60	3/4	178.70	3/4		3/4	
6	2,876.01	6	2,487.11	6	2,098.20	6	1,709.29	6	1,320.38	6	947.13	6	559.50	6	170.60	6		6	
1/4	2,867.90	1/4	2,479.01	1/4	2,090.10	1/4	1,701.19	1/4	1,312.28	1/4	939.38	1/4	551.40	1/4	162.50	1/4		1/4	
1/2	2,859.80	1/2	2,470.91	1/2	2,082.00	1/2	1,693.09	1/2	1,304.18	1/2	931.46	1/2	543.29	1/2	154.40	1/2		1/2	
3/4	2,851.70	3/4	2,462.81	3/4	2,073.90	3/4	1,684.99	3/4	1,296.42	3/4	923.54	3/4	535.19	3/4	146.30	3/4		3/4	
7	2,843.60	7	2,454.71	7	2,065.79	7	1,676.88	7	1,288.50	7	915.62	7	527.09	7	138.19	7		7	
1/4	2,835.50	1/4	2,446.60	1/4	2,057.69	1/4	1,668.78	1/4	1,280.57	1/4	907.70	1/4	518.99	1/4	130.09	1/4		1/4	
1/2	2,827.39	1/2	2,438.50	1/2	2,049.59	1/2	1,660.68	1/2	1,272.61	1/2	899.80	1/2	510.89	1/2	121.99	1/2		1/2	
3/4	2,819.29	3/4	2,430.40	3/4	2,041.49	3/4	1,652.58	3/4	1,264.66	3/4	891.81	3/4	502.78	3/4	113.89	3/4		3/4	
8	2,811.19	8	2,422.30	8	2,033.39	8	1,644.48	8	1,257.30	8	883.41	8	494.68	8	105.79	8		8	
1/4	2,803.09	1/4	2,414.19	1/4	2,025.28	1/4	1,636.37	1/4	1,249.55	1/4	875.32	1/4	486.58	1/4	97.68	1/4		1/4	
1/2	2,794.99	1/2	2,406.09	1/2	2,017.18	1/2	1,628.27	1/2	1,241.79	1/2	867.22	1/2	478.48	1/2	89.58	1/2		1/2	
3/4	2,786.89	3/4	2,397.99	3/4	2,009.08	3/4	1,620.17	3/4	1,234.04	3/4	859.13	3/4	470.38	3/4	81.48	3/4		3/4	
9	2,778.78	9	2,389.89	9	2,000.98	9	1,612.07	9	1,226.29	9	851.03	9	462.27	9	73.38	9		9	
1/4	2,770.68	1/4	2,381.78	1/4	1,992.87	1/4	1,603.96	1/4	1,218.53	1/4	842.94	1/4	454.17	1/4	65.28	1/4		1/4	
1/2	2,762.58	1/2	2,373.68	1/2	1,984.77	1/2	1,595.86	1/2	1,210.78	1/2	834.85	1/2	445.07	1/2	57.58	1/2		1/2	
3/4	2,754.48	3/4	2,365.58	3/4	1,976.67	3/4	1,587.76	3/4	1,203.02	3/4	826.75	3/4	437.97	3/4	50.42	3/4		3/4	
10	2,746.38	10	2,357.48	10	1,968.57	10	1,579.66	10	1,195.27	10	818.66	10	429.87	10	42.99	10		10	
1/4	2,738.27	1/4	2,349.38	1/4	1,960.46	1/4	1,571.55	1/4	1,187.51	1/4	810.56	1/4	421.76	1/4	35.57	1/4		1/4	
1/2	2,730.17	1/2	2,341.27	1/2	1,952.36	1/2	1,563.45	1/2	1,179.76	1/2	802.47	1/2	413.66	1/2	30.17	1/2		1/2	
3/4	2,722.07	3/4	2,333.17	3/4	1,944.26	3/4	1,555.35	3/4	1,172.00	3/4	794.37	3/4	405.56	3/4	24.77	3/4		3/4	
11	2,713.97	11	2,325.07	11	1,936.16	11	1,547.25	11	1,164.25	11	786.28	11	397.46	11	19.38	11		11	
1/4	2,705.87	1/4	2,316.97	1/4	1,928.06	1/4	1,539.15	1/4	1,156.49	1/4	778.18	1/4	389.36	1/4	13.98	1/4		1/4	
1/2	2,697.77	1/2	2,308.86	1/2	1,919.95	1/2	1,531.04	1/2	1,148.74	1/2	770.09	1/2	381.25	1/2		1/2		1/2	
3/4	2,689.66	3/4	2,300.76	3/4	1,911.85	3/4	1,522.94	3/4	1,140.98	3/4	761.99	3/4	373.16	3/4		3/4		3/4	

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CALCULATED: 06/27/2019 CL
PRINTED: 07/02/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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 508"

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-11 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		0		0		0	4,918.18	0	4,701.90	0	4,480.30	0	4,193.37	0	3,903.42	0	3,604.84	0	3,244.39
1/4		1/4		1/4		1/4	4,914.01	1/4	4,697.11	1/4	4,455.00	1/4	4,187.54	1/4	3,897.29	1/4	3,597.34	1/4	3,236.87
1/2		1/2		1/2		1/2	4,909.85	1/2	4,692.32	1/2	4,449.70	1/2	4,181.70	1/2	3,891.15	1/2	3,589.85	1/2	3,229.34
3/4		3/4		3/4		3/4	4,905.68	3/4	4,687.54	3/4	4,444.40	3/4	4,175.87	3/4	3,885.01	3/4	3,582.36	3/4	3,221.82
1		1		1		1	4,901.42	1	4,682.71	1	4,439.05	1	4,169.99	1	3,878.88	1	3,574.86	1	3,214.29
1/4		1/4		1/4		1/4	4,897.17	1/4	4,677.88	1/4	4,433.71	1/4	4,164.11	1/4	3,872.74	1/4	3,567.37	1/4	3,206.77
1/2		1/2		1/2		1/2	4,892.91	1/2	4,673.05	1/2	4,428.36	1/2	4,158.23	1/2	3,866.61	1/2	3,559.87	1/2	3,199.24
3/4		3/4		3/4		3/4	4,888.65	3/4	4,668.22	3/4	4,423.02	3/4	4,152.35	3/4	3,860.47	3/4	3,552.38	3/4	3,191.72
2		2		2		2	4,884.29	2	4,663.35	2	4,417.63	2	4,146.44	2	3,854.34	2	3,544.86	2	3,184.19
1/4		1/4		1/4		1/4	4,879.94	1/4	4,658.48	1/4	4,412.24	1/4	4,140.52	1/4	3,848.20	1/4	3,537.39	1/4	3,176.67
1/2		1/2		1/2		1/2	4,875.58	1/2	4,653.61	1/2	4,406.85	1/2	4,134.60	1/2	3,842.07	1/2	3,529.89	1/2	3,169.14
3/4		3/4		3/4		3/4	4,871.22	3/4	4,648.74	3/4	4,401.47	3/4	4,128.68	3/4	3,835.93	3/4	3,522.40	3/4	3,161.62
3		3		3		3	4,866.83	3	4,643.82	3	4,396.03	3	4,122.71	3	3,829.79	3	3,514.91	3	3,154.09
1/4		1/4		1/4		1/4	4,862.43	1/4	4,638.91	1/4	4,390.59	1/4	4,116.75	1/4	3,823.66	1/4	3,507.41	1/4	3,146.57
1/2		1/2		1/2		1/2	4,858.03	1/2	4,633.99	1/2	4,385.15	1/2	4,110.78	1/2	3,817.52	1/2	3,499.92	1/2	3,139.04
3/4		3/4		3/4		3/4	4,853.63	3/4	4,629.08	3/4	4,379.71	3/4	4,104.82	3/4	3,811.39	3/4	3,492.42	3/4	3,131.52
4		4		4		4	4,849.19	4	4,624.12	4	4,374.22	4	4,098.81	4	3,805.25	4	3,484.93	4	3,123.99
1/4		1/4		1/4		1/4	4,844.75	1/4	4,619.16	1/4	4,368.73	1/4	4,092.81	1/4	3,799.12	1/4	3,477.43	1/4	3,116.47
1/2		1/2		1/2		1/2	4,840.31	1/2	4,614.20	1/2	4,363.24	1/2	4,086.80	1/2	3,792.98	1/2	3,469.94	1/2	3,108.94
3/4		3/4		3/4		3/4	4,835.86	3/4	4,609.24	3/4	4,357.75	3/4	4,080.80	3/4	3,786.85	3/4	3,462.45	3/4	3,101.42
5		5		5		5	4,831.35	5	4,604.24	5	4,352.22	5	4,074.75	5	3,780.71	5	3,454.95	5	3,093.89
1/4		1/4		1/4		1/4	4,826.89	1/4	4,599.24	1/4	4,346.68	1/4	4,068.70	1/4	3,774.58	1/4	3,447.46	1/4	3,086.37
1/2		1/2		1/2		1/2	4,822.41	1/2	4,594.24	1/2	4,341.15	1/2	4,062.65	1/2	3,768.44	1/2	3,439.96	1/2	3,078.84
3/4		3/4		3/4		3/4	4,817.93	3/4	4,589.24	3/4	4,335.62	3/4	4,056.60	3/4	3,762.30	3/4	3,432.47	3/4	3,071.32
6		6		6		6	4,813.40	6	4,584.20	6	4,330.04	6	4,050.50	6	3,756.17	6	3,424.96	6	3,063.79
1/4		1/4		1/4		1/4	4,808.87	1/4	4,579.15	1/4	4,324.46	1/4	4,044.41	1/4	3,750.03	1/4	3,417.45	1/4	3,056.27
1/2		1/2		1/2		1/2	4,804.34	1/2	4,574.11	1/2	4,318.89	1/2	4,038.32	1/2	3,743.90	1/2	3,409.94	1/2	3,048.74
3/4		3/4		3/4	5,029.33	3/4	4,799.81	3/4	4,569.07	3/4	4,313.31	3/4	4,032.23	3/4	3,737.76	3/4	3,402.43	3/4	3,041.22
7		7		7	5,023.79	7	4,795.24	7	4,563.98	7	4,307.69	7	4,026.10	7	3,731.63	7	3,394.90	7	3,033.69
1/4		1/4		1/4	5,018.24	1/4	4,790.67	1/4	4,558.89	1/4	4,302.07	1/4	4,019.98	1/4	3,725.49	1/4	3,387.38	1/4	3,026.17
1/2		1/2		1/2	5,012.70	1/2	4,786.10	1/2	4,553.81	1/2	4,296.45	1/2	4,013.85	1/2	3,719.36	1/2	3,379.85	1/2	3,018.64
3/4		3/4		3/4	5,007.15	3/4	4,781.53	3/4	4,548.72	3/4	4,290.83	3/4	4,007.72	3/4	3,713.22	3/4	3,372.33	3/4	3,011.12
8		8		8	5,001.14	8	4,776.92	8	4,543.59	8	4,285.17	8	4,001.59	8	3,707.08	8	3,364.80	8	3,003.59
1/4		1/4		1/4	4,995.13	1/4	4,772.30	1/4	4,538.45	1/4	4,279.51	1/4	3,995.45	1/4	3,700.95	1/4	3,357.27	1/4	2,996.07
1/2		1/2		1/2	4,989.11	1/2	4,767.69	1/2	4,533.33	1/2	4,273.85	1/2	3,989.32	1/2	3,694.81	1/2	3,349.75	1/2	2,988.54
3/4		3/4		3/4	4,983.10	3/4	4,763.08	3/4	4,528.20	3/4	4,268.18	3/4	3,983.18	3/4	3,688.68	3/4	3,342.22	3/4	2,981.02
9		9		9	4,977.09	9	4,758.42	9	4,523.03	9	4,262.48	9	3,977.05	9	3,682.54	9	3,334.70	9	2,973.49
1/4		1/4		1/4	4,971.07	1/4	4,753.76	1/4	4,517.86	1/4	4,256.77	1/4	3,970.91	1/4	3,676.41	1/4	3,327.17	1/4	2,965.97
1/2		1/2		1/2	4,965.06	1/2	4,749.11	1/2	4,512.68	1/2	4,251.07	1/2	3,964.78	1/2	3,670.27	1/2	3,319.65	1/2	2,958.44
3/4		3/4		3/4	4,959.05	3/4	4,744.46	3/4	4,507.51	3/4	4,245.36	3/4	3,958.64	3/4	3,664.14	3/4	3,312.12	3/4	2,950.92
10		10		10	4,953.99	10	4,739.76	10	4,502.29	10	4,239.61	10	3,952.50	10	3,658.00	10	3,304.59	10	2,943.39
1/4		1/4		1/4	4,948.93	1/4	4,735.05	1/4	4,497.07	1/4	4,233.87	1/4	3,946.37	1/4	3,651.87	1/4	3,297.07	1/4	2,935.87
1/2		1/2		1/2	4,943.88	1/2	4,730.35	1/2	4,491.86	1/2	4,228.12	1/2	3,940.23	1/2	3,645.73	1/2	3,289.54	1/2	2,928.34
3/4		3/4		3/4	4,938.82	3/4	4,725.65	3/4	4,486.64	3/4	4,222.37	3/4	3,934.10	3/4	3,639.59	3/4	3,282.02	3/4	2,920.81
11		11		11	4,934.70	11	4,720.91	11	4,481.38	11	4,216.58	11	3,927.95	11	3,633.78	11	3,274.49	11	2,913.29
1/4		1/4		1/4	4,930.58	1/4	4,716.17	1/4	4,476.12	1/4	4,210.79	1/4	3,921.83	1/4	3,628.98	1/4	3,266.97	1/4	2,905.76
1/2		1/2		1/2	4,926.46	1/2	4,711.42	1/2	4,470.87	1/2	4,205.00	1/2	3,915.69	1/2	3,619.15	1/2	3,259.44	1/2	2,898.24
3/4		3/4		3/4	4,922.34	3/4	4,706.68	3/4	4,465.61	3/4	4,199.20	3/4	3,909.56	3/4	3,612.33	3/4	3,251.92	3/4	2,890.71

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 41'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77589
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BARGE "EMS 508"

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-11 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	2,883.19	0	2,521.98	0	2,160.81	0	1,799.21	0	1,437.62	0	1,076.42	0	715.51	0	354.32	0		0	
1/4	2,875.68	1/4	2,514.46	1/4	2,153.08	1/4	1,791.69	1/4	1,430.29	1/4	1,068.89	1/4	708.01	1/4	346.79	1/4		1/4	
1/2	2,868.14	1/2	2,506.93	1/2	2,145.55	1/2	1,784.16	1/2	1,422.76	1/2	1,061.36	1/2	700.50	1/2	339.26	1/2		1/2	
3/4	2,860.61	3/4	2,499.41	3/4	2,138.02	3/4	1,776.63	3/4	1,415.23	3/4	1,053.83	3/4	692.99	3/4	331.73	3/4		3/4	
1	2,853.08	1	2,491.88	1	2,130.50	1	1,769.10	1	1,407.70	1	1,046.30	1	685.48	1	324.20	1		1	
1/4	2,845.56	1/4	2,484.36	1/4	2,122.97	1/4	1,761.57	1/4	1,400.17	1/4	1,038.76	1/4	677.97	1/4	316.67	1/4		1/4	
1/2	2,838.04	1/2	2,476.83	1/2	2,115.44	1/2	1,754.04	1/2	1,392.64	1/2	1,031.25	1/2	670.47	1/2	309.14	1/2		1/2	
3/4	2,830.51	3/4	2,469.30	3/4	2,107.91	3/4	1,746.51	3/4	1,385.11	3/4	1,023.72	3/4	662.96	3/4	301.61	3/4		3/4	
2	2,822.99	2	2,461.77	2	2,100.38	2	1,738.98	2	1,377.59	2	1,016.19	2	655.44	2	294.09	2		2	
1/4	2,815.46	1/4	2,454.24	1/4	2,092.85	1/4	1,731.45	1/4	1,370.06	1/4	1,008.66	1/4	647.92	1/4	286.56	1/4		1/4	
1/2	2,807.94	1/2	2,446.71	1/2	2,085.32	1/2	1,723.92	1/2	1,362.53	1/2	1,001.13	1/2	640.40	1/2	279.03	1/2		1/2	
3/4	2,800.41	3/4	2,439.19	3/4	2,077.79	3/4	1,716.39	3/4	1,355.00	3/4	993.60	3/4	632.89	3/4	271.50	3/4		3/4	
3	2,792.89	3	2,431.66	3	2,070.26	3	1,708.87	3	1,347.47	3	986.07	3	625.36	3	263.97	3		3	
1/4	2,785.36	1/4	2,424.13	1/4	2,062.73	1/4	1,701.34	1/4	1,339.94	1/4	978.54	1/4	617.83	1/4	256.44	1/4		1/4	
1/2	2,777.84	1/2	2,416.60	1/2	2,055.20	1/2	1,693.81	1/2	1,332.41	1/2	971.01	1/2	610.30	1/2	248.91	1/2		1/2	
3/4	2,770.31	3/4	2,409.07	3/4	2,047.68	3/4	1,686.28	3/4	1,324.88	3/4	963.48	3/4	602.77	3/4	241.38	3/4		3/4	
4	2,762.79	4	2,401.54	4	2,040.15	4	1,678.75	4	1,317.35	4	955.96	4	595.24	4	233.85	4		4	
1/4	2,755.26	1/4	2,394.01	1/4	2,032.62	1/4	1,671.22	1/4	1,309.82	1/4	948.43	1/4	587.71	1/4	226.33	1/4		1/4	
1/2	2,747.74	1/2	2,386.48	1/2	2,025.09	1/2	1,663.69	1/2	1,302.29	1/2	940.90	1/2	580.18	1/2	218.80	1/2		1/2	
3/4	2,740.21	3/4	2,378.95	3/4	2,017.56	3/4	1,656.16	3/4	1,294.77	3/4	933.37	3/4	572.66	3/4	211.27	3/4		3/4	
5	2,732.69	5	2,371.43	5	2,010.03	5	1,648.63	5	1,287.24	5	925.84	5	565.13	5	203.74	5		5	
1/4	2,725.16	1/4	2,363.90	1/4	2,002.50	1/4	1,641.10	1/4	1,279.71	1/4	918.31	1/4	557.60	1/4	196.21	1/4		1/4	
1/2	2,717.64	1/2	2,356.37	1/2	1,994.97	1/2	1,633.57	1/2	1,272.18	1/2	910.78	1/2	550.07	1/2	188.68	1/2		1/2	
3/4	2,710.11	3/4	2,348.84	3/4	1,987.44	3/4	1,626.05	3/4	1,264.65	3/4	903.25	3/4	542.54	3/4	181.15	3/4		3/4	
6	2,702.59	6	2,341.31	6	1,979.91	6	1,618.52	6	1,257.12	6	895.73	6	535.01	6	173.62	6		6	
1/4	2,695.06	1/4	2,333.78	1/4	1,972.38	1/4	1,610.99	1/4	1,249.59	1/4	888.22	1/4	527.48	1/4	166.09	1/4		1/4	
1/2	2,687.54	1/2	2,326.25	1/2	1,964.86	1/2	1,603.46	1/2	1,242.06	1/2	880.70	1/2	519.95	1/2	158.57	1/2		1/2	
3/4	2,680.01	3/4	2,318.72	3/4	1,957.33	3/4	1,595.93	3/4	1,234.53	3/4	873.18	3/4	512.42	3/4	151.04	3/4		3/4	
7	2,672.49	7	2,311.19	7	1,949.80	7	1,588.40	7	1,227.00	7	865.67	7	504.90	7	143.51	7		7	
1/4	2,664.96	1/4	2,303.66	1/4	1,942.27	1/4	1,580.87	1/4	1,219.47	1/4	858.16	1/4	497.37	1/4	135.98	1/4		1/4	
1/2	2,657.44	1/2	2,296.14	1/2	1,934.74	1/2	1,573.34	1/2	1,211.95	1/2	850.66	1/2	489.84	1/2	128.45	1/2		1/2	
3/4	2,649.91	3/4	2,288.61	3/4	1,927.21	3/4	1,565.81	3/4	1,204.42	3/4	843.15	3/4	482.31	3/4	120.92	3/4		3/4	
8	2,642.39	8	2,281.08	8	1,919.68	8	1,558.28	8	1,196.89	8	835.64	8	474.78	8	113.39	8		8	
1/4	2,634.86	1/4	2,273.55	1/4	1,912.15	1/4	1,550.75	1/4	1,189.36	1/4	828.13	1/4	467.25	1/4	105.86	1/4		1/4	
1/2	2,627.34	1/2	2,266.02	1/2	1,904.62	1/2	1,543.23	1/2	1,181.83	1/2	820.62	1/2	459.72	1/2	98.33	1/2		1/2	
3/4	2,619.81	3/4	2,258.49	3/4	1,897.09	3/4	1,535.70	3/4	1,174.30	3/4	813.12	3/4	452.19	3/4	90.81	3/4		3/4	
9	2,612.29	9	2,250.96	9	1,889.56	9	1,528.17	9	1,166.77	9	805.61	9	444.66	9	83.28	9		9	
1/4	2,604.76	1/4	2,243.43	1/4	1,882.04	1/4	1,520.64	1/4	1,159.24	1/4	798.10	1/4	437.14	1/4	75.75	1/4		1/4	
1/2	2,597.24	1/2	2,235.90	1/2	1,874.51	1/2	1,513.11	1/2	1,151.71	1/2	790.59	1/2	429.61	1/2	68.22	1/2		1/2	
3/4	2,589.71	3/4	2,228.37	3/4	1,866.98	3/4	1,505.58	3/4	1,144.18	3/4	783.08	3/4	422.08	3/4	60.69	3/4		3/4	
10	2,582.19	10	2,220.84	10	1,859.46	10	1,498.05	10	1,136.65	10	775.58	10	414.55	10	53.79	10		10	
1/4	2,574.66	1/4	2,213.32	1/4	1,851.92	1/4	1,490.52	1/4	1,129.13	1/4	768.07	1/4	407.02	1/4	46.89	1/4		1/4	
1/2	2,567.14	1/2	2,205.79	1/2	1,844.39	1/2	1,482.99	1/2	1,121.60	1/2	760.56	1/2	399.49	1/2	39.99	1/2		1/2	
3/4	2,559.61	3/4	2,198.26	3/4	1,836.86	3/4	1,475.46	3/4	1,114.07	3/4	753.05	3/4	391.96	3/4	33.08	3/4		3/4	
11	2,552.08	11	2,190.73	11	1,829.33	11	1,467.93	11	1,106.54	11	745.54	11	384.43	11	26.08	11		11	
1/4	2,544.56	1/4	2,183.20	1/4	1,821.80	1/4	1,460.41	1/4	1,099.01	1/4	738.04	1/4	376.90	1/4	23.05	1/4		1/4	
1/2	2,537.03	1/2	2,175.67	1/2	1,814.27	1/2	1,452.88	1/2	1,091.48	1/2	730.53	1/2	369.37	1/2	18.03	1/2		1/2	
3/4	2,529.51	3/4	2,168.14	3/4	1,806.74	3/4	1,445.35	3/4	1,083.95	3/4	723.02	3/4	361.85	3/4	13.01	3/4		3/4	

STRAPPED: 06/27/2019 JS
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PRINTED: 07/02/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "EMS 508"

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-11 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		0		0		0	4,900.92	0	4,681.89	0	4,437.86	0	4,168.84	0	3,876.76	0	3,574.27	0	3,213.46
1/4		1/4		1/4		1/4	4,896.72	1/4	4,677.07	1/4	4,432.53	1/4	4,162.68	1/4	3,870.60	1/4	3,568.75	1/4	3,205.93
1/2		1/2		1/2		1/2	4,892.43	1/2	4,672.21	1/2	4,427.15	1/2	4,156.78	1/2	3,864.44	1/2	3,559.25	1/2	3,198.40
3/4		3/4		3/4		3/4	4,888.14	3/4	4,667.35	3/4	4,421.78	3/4	4,150.87	3/4	3,858.28	3/4	3,551.74	3/4	3,190.87
1		1		1		1	4,883.85	1	4,662.50	1	4,416.41	1	4,144.97	1	3,852.12	1	3,544.23	1	3,183.34
1/4		1/4		1/4		1/4	4,879.55	1/4	4,657.64	1/4	4,411.03	1/4	4,139.06	1/4	3,845.96	1/4	3,536.72	1/4	3,175.81
1/2		1/2		1/2		1/2	4,875.17	1/2	4,652.73	1/2	4,405.52	1/2	4,133.12	1/2	3,839.50	1/2	3,529.22	1/2	3,168.27
3/4		3/4		3/4		3/4	4,870.78	3/4	4,647.83	3/4	4,400.20	3/4	4,127.17	3/4	3,833.63	3/4	3,521.72	3/4	3,160.74
2		2		2		2	4,866.39	2	4,642.93	2	4,394.78	2	4,121.22	2	3,827.47	2	3,514.22	2	3,153.21
1/4		1/4		1/4		1/4	4,862.00	1/4	4,638.03	1/4	4,389.37	1/4	4,115.28	1/4	3,821.31	1/4	3,506.72	1/4	3,145.68
1/2		1/2		1/2		1/2	4,857.67	1/2	4,633.08	1/2	4,383.90	1/2	4,109.29	1/2	3,815.15	1/2	3,499.22	1/2	3,138.15
3/4		3/4		3/4		3/4	4,853.14	3/4	4,628.14	3/4	4,378.43	3/4	4,103.30	3/4	3,808.99	3/4	3,491.72	3/4	3,130.62
3		3		3		3	4,848.71	3	4,623.20	3	4,372.97	3	4,097.31	3	3,802.83	3	3,484.22	3	3,123.09
1/4		1/4		1/4		1/4	4,844.28	1/4	4,618.26	1/4	4,367.50	1/4	4,091.32	1/4	3,796.67	1/4	3,476.72	1/4	3,115.66
1/2		1/2		1/2		1/2	4,839.81	1/2	4,613.26	1/2	4,361.98	1/2	4,085.29	1/2	3,790.51	1/2	3,469.22	1/2	3,108.03
3/4		3/4		3/4		3/4	4,835.34	3/4	4,608.26	3/4	4,356.46	3/4	4,079.26	3/4	3,784.35	3/4	3,461.72	3/4	3,100.50
4		4		4		4	4,830.86	4	4,603.29	4	4,350.94	4	4,073.22	4	3,778.19	4	3,454.22	4	3,092.97
1/4		1/4		1/4		1/4	4,826.39	1/4	4,598.30	1/4	4,345.43	1/4	4,067.19	1/4	3,772.03	1/4	3,446.72	1/4	3,085.44
1/2		1/2		1/2		1/2	4,821.87	1/2	4,593.27	1/2	4,339.87	1/2	4,061.12	1/2	3,765.86	1/2	3,439.22	1/2	3,077.91
3/4		3/4		3/4		3/4	4,817.36	3/4	4,588.24	3/4	4,334.31	3/4	4,055.04	3/4	3,759.70	3/4	3,431.72	3/4	3,070.38
5		5		5		5	4,812.84	5	4,583.21	5	4,328.74	5	4,048.97	5	3,753.54	5	3,424.22	5	3,062.85
1/4		1/4		1/4		1/4	4,808.33	1/4	4,578.18	1/4	4,323.18	1/4	4,042.89	1/4	3,747.38	1/4	3,416.72	1/4	3,055.32
1/2		1/2		1/2		1/2	4,803.77	1/2	4,573.11	1/2	4,317.58	1/2	4,036.77	1/2	3,741.22	1/2	3,409.21	1/2	3,047.79
3/4		3/4		3/4		3/4	4,799.21	3/4	4,568.03	3/4	4,311.98	3/4	4,030.65	3/4	3,735.06	3/4	3,401.69	3/4	3,040.26
6		6		6		6	4,794.65	6	4,562.96	6	4,306.37	6	4,024.54	6	3,728.90	6	3,394.18	6	3,032.73
1/4		1/4		1/4	5,021.05	1/4	4,790.09	1/4	4,557.89	1/4	4,300.77	1/4	4,018.42	1/4	3,722.74	1/4	3,386.66	1/4	3,026.20
1/2		1/2		1/2	5,015.48	1/2	4,785.49	1/2	4,552.77	1/2	4,295.12	1/2	4,012.27	1/2	3,716.58	1/2	3,379.13	1/2	3,017.66
3/4		3/4		3/4	5,009.91	3/4	4,780.89	3/4	4,547.65	3/4	4,289.48	3/4	4,006.12	3/4	3,710.42	3/4	3,371.60	3/4	3,010.13
7		7		7	5,004.35	7	4,776.28	7	4,542.54	7	4,283.83	7	3,999.97	7	3,704.26	7	3,364.07	7	3,002.60
1/4		1/4		1/4	4,998.78	1/4	4,771.68	1/4	4,537.42	1/4	4,278.18	1/4	3,993.82	1/4	3,698.09	1/4	3,356.54	1/4	2,995.07
1/2		1/2		1/2	4,992.74	1/2	4,767.04	1/2	4,532.26	1/2	4,272.49	1/2	3,987.66	1/2	3,691.93	1/2	3,349.01	1/2	2,987.54
3/4		3/4		3/4	4,986.70	3/4	4,762.39	3/4	4,527.10	3/4	4,266.80	3/4	3,981.50	3/4	3,685.77	3/4	3,341.48	3/4	2,980.01
8		8		8	4,980.66	8	4,757.75	8	4,521.94	8	4,261.11	8	3,975.33	8	3,679.61	8	3,333.95	8	2,972.48
1/4		1/4		1/4	4,974.62	1/4	4,753.10	1/4	4,516.78	1/4	4,255.42	1/4	3,969.17	1/4	3,673.45	1/4	3,326.42	1/4	2,964.95
1/2		1/2		1/2	4,968.59	1/2	4,748.42	1/2	4,511.58	1/2	4,249.69	1/2	3,963.01	1/2	3,667.29	1/2	3,318.88	1/2	2,957.42
3/4		3/4		3/4	4,962.54	3/4	4,743.73	3/4	4,506.38	3/4	4,243.96	3/4	3,956.85	3/4	3,661.13	3/4	3,311.35	3/4	2,949.89
9		9		9	4,956.50	9	4,739.04	9	4,501.18	9	4,238.23	9	3,950.69	9	3,654.97	9	3,303.82	9	2,942.36
1/4		1/4		1/4	4,950.46	1/4	4,734.35	1/4	4,495.98	1/4	4,232.50	1/4	3,944.53	1/4	3,648.81	1/4	3,296.29	1/4	2,934.83
1/2		1/2		1/2	4,945.38	1/2	4,729.62	1/2	4,490.73	1/2	4,226.72	1/2	3,938.37	1/2	3,642.65	1/2	3,288.76	1/2	2,927.30
3/4		3/4		3/4	4,940.29	3/4	4,724.89	3/4	4,485.49	3/4	4,220.95	3/4	3,932.21	3/4	3,636.49	3/4	3,281.23	3/4	2,919.77
10		10		10	4,935.21	10	4,720.16	10	4,480.24	10	4,215.17	10	3,926.05	10	3,630.32	10	3,273.70	10	2,912.24
1/4		1/4		1/4	4,930.12	1/4	4,715.43	1/4	4,475.00	1/4	4,209.39	1/4	3,919.89	1/4	3,624.16	1/4	3,266.17	1/4	2,904.71
1/2		1/2		1/2	4,925.97	1/2	4,710.86	1/2	4,469.71	1/2	4,203.58	1/2	3,913.73	1/2	3,617.33	1/2	3,258.64	1/2	2,897.18
3/4		3/4		3/4	4,921.81	3/4	4,705.58	3/4	4,464.42	3/4	4,197.76	3/4	3,907.58	3/4	3,610.49	3/4	3,251.11	3/4	2,889.65
11		11		11	4,917.66	11	4,701.11	11	4,459.13	11	4,191.94	11	3,901.40	11	3,603.66	11	3,243.58	11	2,882.12
1/4		1/4		1/4	4,913.51	1/4	4,696.34	1/4	4,453.85	1/4	4,186.12	1/4	3,895.24	1/4	3,596.81	1/4	3,236.05	1/4	2,874.59
1/2		1/2		1/2	4,909.31	1/2	4,691.52	1/2	4,448.52	1/2	4,180.26	1/2	3,889.08	1/2	3,589.30	1/2	3,228.52	1/2	2,867.05
3/4		3/4		3/4	4,905.11	3/4	4,686.71	3/4	4,443.19	3/4	4,174.40	3/4	3,882.92	3/4	3,581.78	3/4	3,220.99	3/4	2,859.52

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 41'-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 508"

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-11 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,851.99	0	2,490.79	0	2,129.51	0	1,770.49	0	1,408.92	0	1,053.98	0	701.48	0	339.86	0		0	
1/4	2,844.46	1/4	2,483.27	1/4	2,122.04	1/4	1,762.95	1/4	1,401.39	1/4	1,046.77	1/4	693.98	1/4	332.31	1/4		1/4	
1/2	2,836.93	1/2	2,475.75	1/2	2,114.56	1/2	1,755.42	1/2	1,393.85	1/2	1,039.56	1/2	686.48	1/2	324.76	1/2		1/2	
3/4	2,829.40	3/4	2,468.23	3/4	2,107.09	3/4	1,747.89	3/4	1,386.32	3/4	1,032.35	3/4	678.94	3/4	317.24	3/4		3/4	
1	2,821.87	1	2,460.71	1	2,099.62	1	1,740.36	1	1,378.79	1	1,025.14	1	671.43	1	309.70	1		1	
1/4	2,814.34	1/4	2,453.19	1/4	2,092.14	1/4	1,732.82	1/4	1,371.25	1/4	1,017.93	1/4	663.91	1/4	302.17	1/4		1/4	
1/2	2,806.81	1/2	2,445.68	1/2	2,084.67	1/2	1,725.29	1/2	1,363.72	1/2	1,010.72	1/2	656.38	1/2	294.63	1/2		1/2	
3/4	2,799.28	3/4	2,438.14	3/4	2,077.20	3/4	1,717.76	3/4	1,356.19	3/4	1,003.51	3/4	648.85	3/4	287.09	3/4		3/4	
2	2,791.75	2	2,430.61	2	2,069.72	2	1,710.23	2	1,348.66	2	996.30	2	641.33	2	279.55	2		2	
1/4	2,784.22	1/4	2,423.09	1/4	2,062.25	1/4	1,702.69	1/4	1,341.12	1/4	989.09	1/4	633.80	1/4	272.02	1/4		1/4	
1/2	2,776.69	1/2	2,415.56	1/2	2,054.77	1/2	1,695.16	1/2	1,333.59	1/2	981.88	1/2	626.27	1/2	264.48	1/2		1/2	
3/4	2,769.16	3/4	2,408.02	3/4	2,047.30	3/4	1,687.63	3/4	1,326.06	3/4	974.67	3/4	618.73	3/4	256.94	3/4		3/4	
3	2,761.63	3	2,400.49	3	2,039.83	3	1,680.10	3	1,318.53	3	967.46	3	611.19	3	249.41	3		3	
1/4	2,754.10	1/4	2,392.96	1/4	2,032.36	1/4	1,672.56	1/4	1,310.99	1/4	960.25	1/4	603.65	1/4	241.87	1/4		1/4	
1/2	2,746.57	1/2	2,385.42	1/2	2,024.88	1/2	1,665.03	1/2	1,303.46	1/2	953.04	1/2	596.12	1/2	234.33	1/2		1/2	
3/4	2,739.04	3/4	2,377.89	3/4	2,017.41	3/4	1,657.50	3/4	1,295.93	3/4	945.83	3/4	588.58	3/4	226.80	3/4		3/4	
4	2,731.51	4	2,370.35	4	2,009.93	4	1,649.96	4	1,288.39	4	938.62	4	581.04	4	219.26	4		4	
1/4	2,723.98	1/4	2,362.81	1/4	2,002.46	1/4	1,642.43	1/4	1,280.86	1/4	931.41	1/4	573.51	1/4	211.73	1/4		1/4	
1/2	2,716.44	1/2	2,355.28	1/2	1,994.99	1/2	1,634.90	1/2	1,273.33	1/2	924.19	1/2	565.97	1/2	204.19	1/2		1/2	
3/4	2,708.91	3/4	2,347.74	3/4	1,987.51	3/4	1,627.37	3/4	1,265.80	3/4	916.98	3/4	558.43	3/4	196.66	3/4		3/4	
5	2,701.38	5	2,340.21	5	1,980.04	5	1,619.83	5	1,258.26	5	909.77	5	550.89	5	189.12	5		5	
1/4	2,693.85	1/4	2,332.67	1/4	1,972.57	1/4	1,612.30	1/4	1,250.73	1/4	902.56	1/4	543.36	1/4	181.58	1/4		1/4	
1/2	2,686.33	1/2	2,325.13	1/2	1,965.09	1/2	1,604.77	1/2	1,243.20	1/2	895.36	1/2	535.82	1/2	174.04	1/2		1/2	
3/4	2,678.80	3/4	2,317.60	3/4	1,957.62	3/4	1,597.24	3/4	1,235.67	3/4	888.15	3/4	528.28	3/4	166.50	3/4		3/4	
6	2,671.27	6	2,310.06	6	1,950.15	6	1,589.70	6	1,228.13	6	880.95	6	520.74	6	158.96	6		6	
1/4	2,663.74	1/4	2,302.53	1/4	1,942.67	1/4	1,582.17	1/4	1,220.60	1/4	873.74	1/4	513.21	1/4	151.42	1/4		1/4	
1/2	2,656.22	1/2	2,294.99	1/2	1,935.20	1/2	1,574.64	1/2	1,213.22	1/2	866.38	1/2	505.67	1/2	143.88	1/2		1/2	
3/4	2,648.70	3/4	2,287.46	3/4	1,927.73	3/4	1,567.10	3/4	1,205.85	3/4	859.02	3/4	498.13	3/4	136.33	3/4		3/4	
7	2,641.18	7	2,279.92	7	1,920.26	7	1,559.57	7	1,198.47	7	851.66	7	490.60	7	128.79	7		7	
1/4	2,633.65	1/4	2,272.38	1/4	1,912.78	1/4	1,552.04	1/4	1,191.09	1/4	844.30	1/4	483.06	1/4	121.24	1/4		1/4	
1/2	2,626.13	1/2	2,264.85	1/2	1,905.30	1/2	1,544.51	1/2	1,183.67	1/2	836.79	1/2	475.52	1/2	113.69	1/2		1/2	
3/4	2,618.62	3/4	2,257.31	3/4	1,897.83	3/4	1,536.97	3/4	1,176.65	3/4	829.27	3/4	467.98	3/4	106.14	3/4		3/4	
8	2,611.10	8	2,249.77	8	1,890.36	8	1,529.44	8	1,169.43	8	821.75	8	460.45	8	98.59	8		8	
1/4	2,603.58	1/4	2,242.24	1/4	1,882.88	1/4	1,521.91	1/4	1,162.20	1/4	814.24	1/4	452.91	1/4	91.04	1/4		1/4	
1/2	2,596.06	1/2	2,234.70	1/2	1,875.41	1/2	1,514.38	1/2	1,154.98	1/2	806.72	1/2	445.37	1/2	83.49	1/2		1/2	
3/4	2,588.54	3/4	2,227.17	3/4	1,867.94	3/4	1,506.84	3/4	1,147.76	3/4	799.21	3/4	437.84	3/4	75.95	3/4		3/4	
9	2,581.02	9	2,219.63	9	1,860.48	9	1,499.31	9	1,140.54	9	791.69	9	430.30	9	68.40	9		9	
1/4	2,573.50	1/4	2,212.09	1/4	1,852.99	1/4	1,491.78	1/4	1,133.32	1/4	784.17	1/4	422.76	1/4	60.85	1/4		1/4	
1/2	2,565.98	1/2	2,204.56	1/2	1,845.52	1/2	1,484.24	1/2	1,126.10	1/2	776.66	1/2	415.22	1/2	53.93	1/2		1/2	
3/4	2,558.46	3/4	2,197.02	3/4	1,838.04	3/4	1,476.71	3/4	1,118.89	3/4	769.14	3/4	407.69	3/4	47.01	3/4		3/4	
10	2,550.94	10	2,189.49	10	1,830.57	10	1,469.18	10	1,111.67	10	761.62	10	400.16	10	40.09	10		10	
1/4	2,543.43	1/4	2,181.95	1/4	1,823.10	1/4	1,461.65	1/4	1,104.45	1/4	754.11	1/4	392.61	1/4	33.17	1/4		1/4	
1/2	2,535.91	1/2	2,174.45	1/2	1,815.63	1/2	1,454.11	1/2	1,097.24	1/2	746.59	1/2	385.08	1/2	26.14	1/2		1/2	
3/4	2,528.39	3/4	2,166.94	3/4	1,808.09	3/4	1,446.58	3/4	1,090.03	3/4	739.08	3/4	377.54	3/4	23.10	3/4		3/4	
11	2,520.87	11	2,159.44	11	1,800.59	11	1,439.05	11	1,082.82	11	731.56	11	370.00	11	18.07	11		11	
1/4	2,513.36	1/4	2,151.93	1/4	1,793.09	1/4	1,431.52	1/4	1,075.61	1/4	724.04	1/4	362.46	1/4	13.04	1/4		1/4	
1/2	2,505.83	1/2	2,144.48	1/2	1,785.55	1/2	1,423.98	1/2	1,068.40	1/2	716.53	1/2	354.93	1/2		1/2		1/2	
3/4	2,498.31	3/4	2,136.98	3/4	1,778.02	3/4	1,416.45	3/4	1,061.19	3/4	709.01	3/4	347.39	3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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