



BARGE "EMS 520"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
1 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
3 PORT	- 00-5/8	00-5/8	- 01-1/4	01-1/4	- 01-7/8	01-7/8	- 02-1/2	02-1/2	- 03-0/8	03-0/8	- 03-5/8	03-5/8
3 STBD	- 00-5/8	00-5/8	- 01-1/4	01-1/4	- 01-7/8	01-7/8	- 02-1/2	02-1/2	- 03-0/8	03-0/8	- 03-5/8	03-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-00"

July 28, 2020

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 520"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	20.69	0	297.43	0	650.60	0	1,014.10	0	1,377.60	0	1,741.35	0	2,105.10	0	2,468.84	0	2,832.51	0	3,196.12
1/4	23.39	1/4	304.24	1/4	658.17	1/4	1,021.67	1/4	1,385.18	1/4	1,748.93	1/4	2,112.67	1/4	2,476.42	1/4	2,840.08	1/4	3,203.70
1/2	26.09	1/2	311.06	1/2	665.75	1/2	1,029.23	1/2	1,392.75	1/2	1,756.50	1/2	2,120.25	1/2	2,484.00	1/2	2,847.66	1/2	3,211.27
3/4	28.79	3/4	317.87	3/4	673.33	3/4	1,036.80	3/4	1,400.33	3/4	1,764.08	3/4	2,127.83	3/4	2,491.58	3/4	2,855.23	3/4	3,218.85
1	31.49	1	324.69	1	680.91	1	1,044.36	1	1,407.91	1	1,771.66	1	2,135.41	1	2,499.16	1	2,862.81	1	3,226.42
1/4	35.34	1/4	331.60	1/4	688.48	1/4	1,051.93	1/4	1,415.49	1/4	1,779.24	1/4	2,142.99	1/4	2,506.74	1/4	2,870.38	1/4	3,234.00
1/2	39.20	1/2	338.51	1/2	696.06	1/2	1,059.50	1/2	1,423.07	1/2	1,786.82	1/2	2,150.56	1/2	2,514.31	1/2	2,877.96	1/2	3,241.57
3/4	43.05	3/4	345.42	3/4	703.64	3/4	1,067.06	3/4	1,430.65	3/4	1,794.39	3/4	2,158.14	3/4	2,521.89	3/4	2,885.53	3/4	3,249.15
2	46.91	2	352.33	2	711.22	2	1,074.63	2	1,438.22	2	1,801.97	2	2,165.72	2	2,529.47	2	2,893.11	2	3,256.72
1/4	52.12	1/4	359.46	1/4	718.80	1/4	1,082.19	1/4	1,445.80	1/4	1,809.55	1/4	2,173.30	1/4	2,537.05	1/4	2,900.68	1/4	3,264.30
1/2	57.33	1/2	366.59	1/2	726.37	1/2	1,089.76	1/2	1,453.38	1/2	1,817.13	1/2	2,180.88	1/2	2,544.63	1/2	2,908.26	1/2	3,271.87
3/4	62.55	3/4	373.73	3/4	733.95	3/4	1,097.33	3/4	1,460.96	3/4	1,824.71	3/4	2,188.46	3/4	2,552.20	3/4	2,915.83	3/4	3,279.45
3	67.76	3	380.86	3	741.53	3	1,104.89	3	1,468.54	3	1,832.28	3	2,196.03	3	2,559.78	3	2,923.41	3	3,287.02
1/4	73.78	1/4	388.11	1/4	749.11	1/4	1,112.46	1/4	1,476.11	1/4	1,839.86	1/4	2,203.61	1/4	2,567.36	1/4	2,930.99	1/4	3,294.60
1/2	79.80	1/2	395.36	1/2	756.68	1/2	1,120.02	1/2	1,483.69	1/2	1,847.44	1/2	2,211.19	1/2	2,574.94	1/2	2,938.56	1/2	3,302.18
3/4	85.82	3/4	402.60	3/4	764.26	3/4	1,127.59	3/4	1,491.27	3/4	1,855.02	3/4	2,218.77	3/4	2,582.52	3/4	2,946.14	3/4	3,309.75
4	91.83	4	409.85	4	771.84	4	1,135.16	4	1,498.85	4	1,862.60	4	2,226.35	4	2,590.10	4	2,953.71	4	3,317.33
1/4	98.03	1/4	417.19	1/4	779.42	1/4	1,142.72	1/4	1,506.43	1/4	1,870.18	1/4	2,233.92	1/4	2,597.67	1/4	2,961.29	1/4	3,324.90
1/2	104.22	1/2	424.53	1/2	787.00	1/2	1,150.29	1/2	1,514.00	1/2	1,877.75	1/2	2,241.50	1/2	2,605.25	1/2	2,968.86	1/2	3,332.48
3/4	110.41	3/4	431.87	3/4	794.57	3/4	1,157.85	3/4	1,521.58	3/4	1,885.33	3/4	2,249.08	3/4	2,612.82	3/4	2,976.44	3/4	3,340.05
5	116.60	5	439.21	5	802.15	5	1,165.42	5	1,529.16	5	1,892.91	5	2,256.66	5	2,620.40	5	2,984.01	5	3,347.63
1/4	122.89	1/4	446.65	1/4	809.73	1/4	1,173.00	1/4	1,536.74	1/4	1,900.49	1/4	2,264.24	1/4	2,627.97	1/4	2,991.59	1/4	3,355.20
1/2	129.17	1/2	454.09	1/2	817.31	1/2	1,180.57	1/2	1,544.32	1/2	1,908.07	1/2	2,271.81	1/2	2,635.55	1/2	2,999.16	1/2	3,362.78
3/4	135.46	3/4	461.52	3/4	824.89	3/4	1,188.15	3/4	1,551.89	3/4	1,915.64	3/4	2,279.39	3/4	2,643.12	3/4	3,006.74	3/4	3,370.35
6	141.74	6	468.96	6	832.46	6	1,195.72	6	1,559.47	6	1,923.22	6	2,286.97	6	2,650.70	6	3,014.31	6	3,377.93
1/4	148.01	1/4	476.48	1/4	840.04	1/4	1,203.30	1/4	1,567.05	1/4	1,930.80	1/4	2,294.55	1/4	2,658.27	1/4	3,021.89	1/4	3,385.50
1/2	154.27	1/2	484.01	1/2	847.62	1/2	1,210.88	1/2	1,574.63	1/2	1,938.38	1/2	2,302.13	1/2	2,665.85	1/2	3,029.46	1/2	3,393.08
3/4	160.54	3/4	491.53	3/4	855.20	3/4	1,218.46	3/4	1,582.21	3/4	1,945.96	3/4	2,309.70	3/4	2,673.43	3/4	3,037.04	3/4	3,400.65
7	166.80	7	499.06	7	862.77	7	1,226.04	7	1,589.79	7	1,953.53	7	2,317.28	7	2,681.00	7	3,044.61	7	3,408.23
1/4	173.14	1/4	506.63	1/4	870.34	1/4	1,233.61	1/4	1,597.36	1/4	1,961.11	1/4	2,324.86	1/4	2,688.58	1/4	3,052.19	1/4	3,415.80
1/2	179.49	1/2	514.21	1/2	877.91	1/2	1,241.19	1/2	1,604.94	1/2	1,968.69	1/2	2,332.44	1/2	2,696.15	1/2	3,059.77	1/2	3,423.38
3/4	185.83	3/4	521.78	3/4	885.48	3/4	1,248.77	3/4	1,612.52	3/4	1,976.27	3/4	2,340.02	3/4	2,703.73	3/4	3,067.34	3/4	3,430.96
8	192.17	8	529.35	8	893.05	8	1,256.35	8	1,620.10	8	1,983.85	8	2,347.60	8	2,711.30	8	3,074.92	8	3,438.53
1/4	198.61	1/4	536.93	1/4	900.61	1/4	1,263.93	1/4	1,627.68	1/4	1,991.42	1/4	2,355.17	1/4	2,718.88	1/4	3,082.49	1/4	3,446.11
1/2	205.04	1/2	544.51	1/2	908.18	1/2	1,271.51	1/2	1,635.25	1/2	1,999.00	1/2	2,362.75	1/2	2,726.45	1/2	3,090.07	1/2	3,453.68
3/4	211.48	3/4	552.08	3/4	915.74	3/4	1,279.08	3/4	1,642.83	3/4	2,006.58	3/4	2,370.33	3/4	2,734.03	3/4	3,097.64	3/4	3,461.26
9	217.92	9	559.66	9	923.31	9	1,286.66	9	1,650.41	9	2,014.16	9	2,377.91	9	2,741.60	9	3,105.22	9	3,468.83
1/4	224.45	1/4	567.24	1/4	930.88	1/4	1,294.24	1/4	1,657.99	1/4	2,021.74	1/4	2,385.49	1/4	2,749.18	1/4	3,112.79	1/4	3,476.41
1/2	230.98	1/2	574.82	1/2	938.44	1/2	1,301.82	1/2	1,665.57	1/2	2,029.32	1/2	2,393.06	1/2	2,756.75	1/2	3,120.37	1/2	3,483.98
3/4	237.51	3/4	582.40	3/4	946.01	3/4	1,309.40	3/4	1,673.14	3/4	2,036.89	3/4	2,400.64	3/4	2,764.33	3/4	3,127.94	3/4	3,491.56
10	244.04	10	589.97	10	953.57	10	1,316.97	10	1,680.72	10	2,044.47	10	2,408.22	10	2,771.90	10	3,135.52	10	3,499.13
1/4	250.67	1/4	597.55	1/4	961.14	1/4	1,324.55	1/4	1,688.30	1/4	2,052.05	1/4	2,415.80	1/4	2,779.48	1/4	3,143.09	1/4	3,506.71
1/2	257.29	1/2	605.13	1/2	968.71	1/2	1,332.13	1/2	1,695.88	1/2	2,059.63	1/2	2,423.38	1/2	2,787.05	1/2	3,150.67	1/2	3,514.28
3/4	263.92	3/4	612.71	3/4	976.27	3/4	1,339.71	3/4	1,703.46	3/4	2,067.21	3/4	2,430.95	3/4	2,794.63	3/4	3,158.24	3/4	3,521.86
11	270.55	11	620.28	11	983.84	11	1,347.29	11	1,711.03	11	2,074.78	11	2,438.53	11	2,802.21	11	3,165.82	11	3,529.43
1/4	277.27	1/4	627.86	1/4	991.40	1/4	1,354.86	1/4	1,718.61	1/4	2,082.36	1/4	2,446.11	1/4	2,809.78	1/4	3,173.40	1/4	3,537.01
1/2	283.99	1/2	635.44	1/2	998.97	1/2	1,362.44	1/2	1,726.19	1/2	2,089.94	1/2	2,453.69	1/2	2,817.36	1/2	3,180.97	1/2	3,544.58
3/4	290.71	3/4	643.02	3/4	1,006.54	3/4	1,370.02	3/4	1,733.77	3/4	2,097.52	3/4	2,461.27	3/4	2,824.93	3/4	3,188.55	3/4	3,552.16

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD

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



BARGE "EMS 520"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,559.74	0	3,923.35	0	4,286.28	0	4,635.73	0	4,966.81	0		0		0		0		0	
1/4	3,567.31	1/4	3,930.93	1/4	4,293.74	1/4	4,642.81	1/4	4,974.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,574.89	1/2	3,938.50	1/2	4,301.19	1/2	4,649.88	1/2	4,981.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,582.46	3/4	3,946.08	3/4	4,308.65	3/4	4,656.95	3/4	4,989.08	3/4		3/4		3/4		3/4		3/4	
1	3,590.04	1	3,953.65	1	4,316.10	1	4,664.03	1	4,996.51	1		1		1		1		1	
1/4	3,597.61	1/4	3,961.23	1/4	4,323.53	1/4	4,671.04	1/4	5,003.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,605.19	1/2	3,968.80	1/2	4,330.95	1/2	4,678.05	1/2	5,011.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,612.76	3/4	3,976.38	3/4	4,338.38	3/4	4,685.07	3/4	5,018.94	3/4		3/4		3/4		3/4		3/4	
2	3,620.34	2	3,983.95	2	4,345.80	2	4,692.08	2	5,026.42	2		2		2		2		2	
1/4	3,627.91	1/4	3,991.53	1/4	4,353.19	1/4	4,699.06	1/4	5,033.89	1/4		1/4		1/4		1/4		1/4	
1/2	3,635.49	1/2	3,999.10	1/2	4,360.59	1/2	4,706.04	1/2	5,041.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,643.06	3/4	4,006.68	3/4	4,367.98	3/4	4,713.02	3/4	5,048.85	3/4		3/4		3/4		3/4		3/4	
3	3,650.64	3	4,014.25	3	4,375.38	3	4,720.00	3	5,056.32	3		3		3		3		3	
1/4	3,658.21	1/4	4,021.83	1/4	4,382.74	1/4	4,726.95	1/4	5,063.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,665.79	1/2	4,029.40	1/2	4,390.10	1/2	4,733.89	1/2	5,071.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,673.36	3/4	4,036.98	3/4	4,397.46	3/4	4,740.84	3/4	5,078.75	3/4		3/4		3/4		3/4		3/4	
4	3,680.94	4	4,044.55	4	4,404.82	4	4,747.79	4	5,086.23	4		4		4		4		4	
1/4	3,688.52	1/4	4,052.13	1/4	4,412.15	1/4	4,754.71	1/4	5,093.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,696.09	1/2	4,059.71	1/2	4,419.47	1/2	4,761.62	1/2	5,101.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,703.67	3/4	4,067.28	3/4	4,426.80	3/4	4,768.54	3/4	5,108.66	3/4		3/4		3/4		3/4		3/4	
5	3,711.24	5	4,074.86	5	4,434.12	5	4,775.45	5	5,116.14	5		5		5		5		5	
1/4	3,718.82	1/4	4,082.43	1/4	4,441.42	1/4	4,782.34	1/4	5,123.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,726.39	1/2	4,090.01	1/2	4,448.72	1/2	4,789.22	1/2	5,130.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,733.97	3/4	4,097.58	3/4	4,456.01	3/4	4,796.10	3/4	5,138.16	3/4		3/4		3/4		3/4		3/4	
6	3,741.54	6	4,105.16	6	4,463.31	6	4,802.98	6	5,145.50	6		6		6		6		6	
1/4	3,749.12	1/4	4,112.73	1/4	4,470.57	1/4	4,809.83	1/4	5,151.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,756.69	1/2	4,120.31	1/2	4,477.84	1/2	4,816.68	1/2	5,158.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,764.27	3/4	4,127.88	3/4	4,485.10	3/4	4,823.53	3/4	5,164.55	3/4		3/4		3/4		3/4		3/4	
7	3,771.84	7	4,135.46	7	4,492.37	7	4,830.38	7	5,170.90	7		7		7		7		7	
1/4	3,779.42	1/4	4,143.03	1/4	4,499.60	1/4	4,837.20	1/4	5,176.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,786.99	1/2	4,150.61	1/2	4,506.83	1/2	4,844.02	1/2	5,181.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,794.57	3/4	4,158.18	3/4	4,514.07	3/4	4,850.84	3/4	5,186.30	3/4		3/4		3/4		3/4		3/4	
8	3,802.14	8	4,165.76	8	4,521.30	8	4,857.66	8	5,191.44	8		8		8		8		8	
1/4	3,809.72	1/4	4,173.33	1/4	4,528.50	1/4	4,864.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,817.30	1/2	4,180.91	1/2	4,535.69	1/2	4,871.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,824.87	3/4	4,188.48	3/4	4,542.89	3/4	4,878.03	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,832.45	9	4,196.06	9	4,550.09	9	4,884.82	9		9		9		9		9		9	
1/4	3,840.02	1/4	4,203.61	1/4	4,557.26	1/4	4,891.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,847.60	1/2	4,211.16	1/2	4,564.42	1/2	4,898.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,855.17	3/4	4,218.71	3/4	4,571.59	3/4	4,905.10	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,862.75	10	4,226.27	10	4,578.76	10	4,911.86	10		10		10		10		10		10	
1/4	3,870.32	1/4	4,233.79	1/4	4,585.90	1/4	4,918.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,877.90	1/2	4,241.30	1/2	4,593.03	1/2	4,925.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,885.47	3/4	4,248.82	3/4	4,600.17	3/4	4,932.03	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,893.05	11	4,256.34	11	4,607.31	11	4,938.76	11		11		11		11		11		11	
1/4	3,900.62	1/4	4,263.83	1/4	4,614.41	1/4	4,945.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,908.20	1/2	4,271.31	1/2	4,621.52	1/2	4,952.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,915.77	3/4	4,278.80	3/4	4,628.63	3/4	4,959.80	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2020 CL
CALCULATED: 07/28/2020 CL
PRINTED: 07/28/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2020

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



BARGE "EMS 520"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	20.66	0	297.09	0	649.79	0	1,011.87	0	1,373.91	0	1,737.17	0	2,100.43	0	2,463.69	0	2,826.63	0	3,189.76
1/4	23.36	1/4	303.90	1/4	657.36	1/4	1,019.39	1/4	1,381.48	1/4	1,744.74	1/4	2,107.99	1/4	2,471.25	1/4	2,834.20	1/4	3,197.32
1/2	26.06	1/2	310.71	1/2	664.93	1/2	1,026.90	1/2	1,389.04	1/2	1,752.30	1/2	2,115.56	1/2	2,478.82	1/2	2,841.76	1/2	3,204.89
3/4	28.76	3/4	317.51	3/4	672.49	3/4	1,034.42	3/4	1,396.61	3/4	1,759.87	3/4	2,123.13	3/4	2,486.39	3/4	2,849.33	3/4	3,212.45
1	31.45	1	324.32	1	680.06	1	1,041.93	1	1,404.18	1	1,767.44	1	2,130.70	1	2,493.96	1	2,856.89	1	3,220.02
1/4	35.31	1/4	331.22	1/4	687.63	1/4	1,049.45	1/4	1,411.75	1/4	1,775.01	1/4	2,138.27	1/4	2,501.53	1/4	2,864.46	1/4	3,227.58
1/2	39.16	1/2	338.12	1/2	695.20	1/2	1,056.97	1/2	1,419.32	1/2	1,782.57	1/2	2,145.83	1/2	2,509.09	1/2	2,872.02	1/2	3,235.15
3/4	43.01	3/4	345.02	3/4	702.76	3/4	1,064.48	3/4	1,426.88	3/4	1,790.14	3/4	2,153.40	3/4	2,516.66	3/4	2,879.59	3/4	3,242.71
2	46.86	2	351.92	2	710.33	2	1,072.00	2	1,434.45	2	1,797.71	2	2,160.97	2	2,524.23	2	2,887.15	2	3,250.28
1/4	52.07	1/4	359.05	1/4	717.90	1/4	1,079.51	1/4	1,442.02	1/4	1,805.28	1/4	2,168.54	1/4	2,531.80	1/4	2,894.72	1/4	3,257.84
1/2	57.28	1/2	366.17	1/2	725.47	1/2	1,087.03	1/2	1,449.59	1/2	1,812.85	1/2	2,176.11	1/2	2,539.36	1/2	2,902.29	1/2	3,265.41
3/4	62.48	3/4	373.30	3/4	733.03	3/4	1,094.55	3/4	1,457.15	3/4	1,820.41	3/4	2,183.67	3/4	2,546.93	3/4	2,909.85	3/4	3,272.97
3	67.69	3	380.42	3	740.60	3	1,102.06	3	1,464.72	3	1,827.98	3	2,191.24	3	2,554.50	3	2,917.42	3	3,280.54
1/4	73.70	1/4	387.66	1/4	748.17	1/4	1,109.58	1/4	1,472.29	1/4	1,835.55	1/4	2,198.81	1/4	2,562.06	1/4	2,924.98	1/4	3,288.11
1/2	79.71	1/2	394.90	1/2	755.74	1/2	1,117.09	1/2	1,479.86	1/2	1,843.12	1/2	2,206.38	1/2	2,569.62	1/2	2,932.55	1/2	3,295.67
3/4	85.73	3/4	402.13	3/4	763.30	3/4	1,124.61	3/4	1,487.43	3/4	1,850.69	3/4	2,213.94	3/4	2,577.19	3/4	2,940.11	3/4	3,303.24
4	91.74	4	409.37	4	770.87	4	1,132.13	4	1,494.99	4	1,858.25	4	2,221.51	4	2,584.75	4	2,947.68	4	3,310.80
1/4	97.92	1/4	416.70	1/4	778.44	1/4	1,139.64	1/4	1,502.56	1/4	1,865.82	1/4	2,229.08	1/4	2,592.30	1/4	2,955.24	1/4	3,318.37
1/2	104.11	1/2	424.03	1/2	786.01	1/2	1,147.16	1/2	1,510.13	1/2	1,873.39	1/2	2,236.65	1/2	2,599.86	1/2	2,962.81	1/2	3,325.93
3/4	110.29	3/4	431.36	3/4	793.57	3/4	1,154.67	3/4	1,517.70	3/4	1,880.96	3/4	2,244.22	3/4	2,607.41	3/4	2,970.37	3/4	3,333.50
5	116.48	5	438.70	5	801.14	5	1,162.19	5	1,525.27	5	1,888.53	5	2,251.78	5	2,614.97	5	2,977.94	5	3,341.06
1/4	122.76	1/4	446.12	1/4	808.71	1/4	1,169.72	1/4	1,532.83	1/4	1,896.09	1/4	2,259.35	1/4	2,622.52	1/4	2,985.50	1/4	3,348.63
1/2	129.03	1/2	453.55	1/2	816.28	1/2	1,177.24	1/2	1,540.40	1/2	1,903.66	1/2	2,266.92	1/2	2,630.07	1/2	2,993.07	1/2	3,356.19
3/4	135.31	3/4	460.97	3/4	823.84	3/4	1,184.77	3/4	1,547.97	3/4	1,911.23	3/4	2,274.49	3/4	2,637.62	3/4	3,000.63	3/4	3,363.76
6	141.59	6	468.40	6	831.41	6	1,192.30	6	1,555.54	6	1,918.80	6	2,282.06	6	2,645.18	6	3,008.20	6	3,371.32
1/4	147.85	1/4	475.92	1/4	838.94	1/4	1,199.86	1/4	1,563.11	1/4	1,926.36	1/4	2,289.62	1/4	2,652.73	1/4	3,015.76	1/4	3,378.89
1/2	154.11	1/2	483.43	1/2	846.48	1/2	1,207.42	1/2	1,570.67	1/2	1,933.93	1/2	2,297.19	1/2	2,660.28	1/2	3,023.33	1/2	3,386.45
3/4	160.36	3/4	490.95	3/4	854.01	3/4	1,214.99	3/4	1,578.24	3/4	1,941.50	3/4	2,304.76	3/4	2,667.84	3/4	3,030.89	3/4	3,394.02
7	166.62	7	498.46	7	861.54	7	1,222.55	7	1,585.81	7	1,949.07	7	2,312.33	7	2,675.39	7	3,038.46	7	3,401.58
1/4	172.96	1/4	506.02	1/4	869.06	1/4	1,230.12	1/4	1,593.38	1/4	1,956.64	1/4	2,319.90	1/4	2,682.94	1/4	3,046.02	1/4	3,409.15
1/2	179.29	1/2	513.59	1/2	876.58	1/2	1,237.69	1/2	1,600.95	1/2	1,964.20	1/2	2,327.46	1/2	2,690.49	1/2	3,053.59	1/2	3,416.71
3/4	185.63	3/4	521.15	3/4	884.10	3/4	1,245.25	3/4	1,608.51	3/4	1,971.77	3/4	2,335.03	3/4	2,698.05	3/4	3,061.15	3/4	3,424.28
8	191.96	8	528.71	8	891.61	8	1,252.82	8	1,616.08	8	1,979.34	8	2,342.60	8	2,705.60	8	3,068.72	8	3,431.84
1/4	198.39	1/4	536.28	1/4	899.13	1/4	1,260.39	1/4	1,623.65	1/4	1,986.91	1/4	2,350.17	1/4	2,713.16	1/4	3,076.28	1/4	3,439.41
1/2	204.82	1/2	543.85	1/2	906.65	1/2	1,267.96	1/2	1,631.22	1/2	1,994.48	1/2	2,357.74	1/2	2,720.73	1/2	3,083.85	1/2	3,446.97
3/4	211.25	3/4	551.41	3/4	914.16	3/4	1,275.53	3/4	1,638.78	3/4	2,002.04	3/4	2,365.30	3/4	2,728.29	3/4	3,091.41	3/4	3,454.54
9	217.68	9	558.98	9	921.68	9	1,283.09	9	1,646.35	9	2,009.61	9	2,372.87	9	2,735.85	9	3,098.98	9	3,462.10
1/4	224.20	1/4	566.55	1/4	929.19	1/4	1,290.66	1/4	1,653.92	1/4	2,017.18	1/4	2,380.44	1/4	2,743.42	1/4	3,106.54	1/4	3,469.67
1/2	230.73	1/2	574.12	1/2	936.71	1/2	1,298.23	1/2	1,661.49	1/2	2,024.75	1/2	2,388.01	1/2	2,750.98	1/2	3,114.11	1/2	3,477.23
3/4	237.25	3/4	581.68	3/4	944.23	3/4	1,305.80	3/4	1,669.06	3/4	2,032.32	3/4	2,395.57	3/4	2,758.55	3/4	3,121.67	3/4	3,484.80
10	243.77	10	589.25	10	951.74	10	1,313.36	10	1,676.62	10	2,039.88	10	2,403.14	10	2,766.11	10	3,129.24	10	3,492.36
1/4	250.39	1/4	596.82	1/4	959.26	1/4	1,320.93	1/4	1,684.19	1/4	2,047.45	1/4	2,410.71	1/4	2,773.68	1/4	3,136.80	1/4	3,499.93
1/2	257.01	1/2	604.39	1/2	966.77	1/2	1,328.50	1/2	1,691.76	1/2	2,055.02	1/2	2,418.28	1/2	2,781.24	1/2	3,144.37	1/2	3,507.49
3/4	263.63	3/4	611.95	3/4	974.29	3/4	1,336.07	3/4	1,699.33	3/4	2,062.59	3/4	2,425.85	3/4	2,788.81	3/4	3,151.93	3/4	3,515.06
11	270.24	11	619.52	11	981.81	11	1,343.64	11	1,706.90	11	2,070.15	11	2,433.41	11	2,796.37	11	3,159.50	11	3,522.62
1/4	276.96	1/4	627.09	1/4	989.32	1/4	1,351.20	1/4	1,714.46	1/4	2,077.72	1/4	2,440.98	1/4	2,803.94	1/4	3,167.06	1/4	3,530.19
1/2	283.67	1/2	634.66	1/2	996.84	1/2	1,358.77	1/2	1,722.03	1/2	2,085.29	1/2	2,448.55	1/2	2,811.50	1/2	3,174.63	1/2	3,537.75
3/4	290.38	3/4	642.22	3/4	1,004.35	3/4	1,366.34	3/4	1,729.60	3/4	2,092.86	3/4	2,456.12	3/4	2,819.07	3/4	3,182.19	3/4	3,545.32

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD

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





BARGE "EMS 520"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,552.88	0	3,916.01	0	4,278.43	0	4,627.41	0	4,958.08	0		0		0		0		0	
1/4	3,560.45	1/4	3,923.57	1/4	4,285.87	1/4	4,634.48	1/4	4,965.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,568.01	1/2	3,931.14	1/2	4,293.32	1/2	4,641.54	1/2	4,972.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,575.58	3/4	3,938.70	3/4	4,300.76	3/4	4,648.61	3/4	4,980.32	3/4		3/4		3/4		3/4		3/4	
1	3,583.14	1	3,946.27	1	4,308.20	1	4,655.67	1	4,987.73	1		1		1		1		1	
1/4	3,590.71	1/4	3,953.83	1/4	4,315.62	1/4	4,662.67	1/4	4,995.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,598.27	1/2	3,961.40	1/2	4,323.03	1/2	4,669.68	1/2	5,002.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,605.84	3/4	3,968.96	3/4	4,330.45	3/4	4,676.68	3/4	5,010.13	3/4		3/4		3/4		3/4		3/4	
2	3,613.40	2	3,976.53	2	4,337.86	2	4,683.69	2	5,017.60	2		2		2		2		2	
1/4	3,620.97	1/4	3,984.09	1/4	4,345.25	1/4	4,690.66	1/4	5,025.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,628.53	1/2	3,991.66	1/2	4,352.63	1/2	4,697.63	1/2	5,032.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.10	3/4	3,999.22	3/4	4,360.01	3/4	4,704.60	3/4	5,040.00	3/4		3/4		3/4		3/4		3/4	
3	3,643.66	3	4,006.79	3	4,367.40	3	4,711.57	3	5,047.47	3		3		3		3		3	
1/4	3,651.23	1/4	4,014.35	1/4	4,374.75	1/4	4,718.51	1/4	5,054.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,658.79	1/2	4,021.92	1/2	4,382.10	1/2	4,725.45	1/2	5,062.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,666.36	3/4	4,029.48	3/4	4,389.45	3/4	4,732.39	3/4	5,069.87	3/4		3/4		3/4		3/4		3/4	
4	3,673.93	4	4,037.05	4	4,396.80	4	4,739.33	4	5,077.33	4		4		4		4		4	
1/4	3,681.49	1/4	4,044.62	1/4	4,404.12	1/4	4,746.24	1/4	5,084.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,689.06	1/2	4,052.18	1/2	4,411.44	1/2	4,753.14	1/2	5,092.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,696.62	3/4	4,059.75	3/4	4,418.75	3/4	4,760.05	3/4	5,099.73	3/4		3/4		3/4		3/4		3/4	
5	3,704.19	5	4,067.31	5	4,426.07	5	4,766.96	5	5,107.20	5		5		5		5		5	
1/4	3,711.75	1/4	4,074.88	1/4	4,433.35	1/4	4,773.83	1/4	5,114.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,719.32	1/2	4,082.44	1/2	4,440.64	1/2	4,780.70	1/2	5,121.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,726.88	3/4	4,090.01	3/4	4,447.93	3/4	4,787.58	3/4	5,129.19	3/4		3/4		3/4		3/4		3/4	
6	3,734.45	6	4,097.57	6	4,455.21	6	4,794.45	6	5,136.52	6		6		6		6		6	
1/4	3,742.01	1/4	4,105.14	1/4	4,462.47	1/4	4,801.29	1/4	5,142.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,749.58	1/2	4,112.70	1/2	4,469.72	1/2	4,808.13	1/2	5,149.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,757.14	3/4	4,120.27	3/4	4,476.98	3/4	4,814.98	3/4	5,155.55	3/4		3/4		3/4		3/4		3/4	
7	3,764.71	7	4,127.83	7	4,484.24	7	4,821.82	7	5,161.90	7		7		7		7		7	
1/4	3,772.27	1/4	4,135.40	1/4	4,491.46	1/4	4,828.63	1/4	5,167.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,779.84	1/2	4,142.96	1/2	4,498.68	1/2	4,835.44	1/2	5,172.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,787.40	3/4	4,150.53	3/4	4,505.90	3/4	4,842.25	3/4	5,177.28	3/4		3/4		3/4		3/4		3/4	
8	3,794.97	8	4,158.09	8	4,513.13	8	4,849.06	8	5,182.40	8		8		8		8		8	
1/4	3,802.53	1/4	4,165.65	1/4	4,520.32	1/4	4,855.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,810.10	1/2	4,173.21	1/2	4,527.50	1/2	4,862.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,817.66	3/4	4,180.76	3/4	4,534.69	3/4	4,869.41	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,825.23	9	4,188.32	9	4,541.88	9	4,876.19	9		9		9		9		9		9	
1/4	3,832.79	1/4	4,195.86	1/4	4,549.04	1/4	4,882.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,840.36	1/2	4,203.41	1/2	4,556.20	1/2	4,889.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,847.92	3/4	4,210.95	3/4	4,563.35	3/4	4,896.44	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,855.49	10	4,218.49	10	4,570.51	10	4,903.19	10		10		10		10		10		10	
1/4	3,863.05	1/4	4,226.00	1/4	4,577.64	1/4	4,909.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,870.62	1/2	4,233.51	1/2	4,584.77	1/2	4,916.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,878.18	3/4	4,241.02	3/4	4,591.90	3/4	4,923.34	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,885.75	11	4,248.53	11	4,599.02	11	4,930.06	11		11		11		11		11		11	
1/4	3,893.31	1/4	4,256.00	1/4	4,606.12	1/4	4,937.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,900.88	1/2	4,263.48	1/2	4,613.22	1/2	4,944.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,908.44	3/4	4,270.95	3/4	4,620.32	3/4	4,951.07	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2020 CL
CALCULATED: 07/28/2020 CL
PRINTED: 07/28/2020 CL

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2020



BARGE "EMS 520"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	21.36	0	354.78	0	715.62	0	1,077.48	0	1,439.34	0	1,801.45	0	2,163.55	0	2,525.66	0	2,887.68	0	3,249.66
1/4	25.59	1/4	362.18	1/4	723.16	1/4	1,085.02	1/4	1,446.88	1/4	1,808.99	1/4	2,171.10	1/4	2,533.21	1/4	2,895.22	1/4	3,257.20
1/2	29.82	1/2	369.57	1/2	730.71	1/2	1,092.55	1/2	1,454.43	1/2	1,816.54	1/2	2,178.64	1/2	2,540.75	1/2	2,902.76	1/2	3,264.74
3/4	34.04	3/4	376.97	3/4	738.25	3/4	1,100.08	3/4	1,461.97	3/4	1,824.08	3/4	2,186.19	3/4	2,548.29	3/4	2,910.31	3/4	3,272.28
1	38.27	1	384.37	1	745.79	1	1,107.61	1	1,469.52	1	1,831.62	1	2,193.73	1	2,555.84	1	2,917.85	1	3,279.82
1/4	43.76	1/4	391.76	1/4	753.34	1/4	1,115.14	1/4	1,477.06	1/4	1,839.17	1/4	2,201.27	1/4	2,563.38	1/4	2,925.39	1/4	3,287.37
1/2	49.24	1/2	399.16	1/2	760.88	1/2	1,122.67	1/2	1,484.60	1/2	1,846.71	1/2	2,208.82	1/2	2,570.93	1/2	2,932.93	1/2	3,294.91
3/4	54.73	3/4	406.55	3/4	768.43	3/4	1,130.21	3/4	1,492.15	3/4	1,854.25	3/4	2,216.36	3/4	2,578.47	3/4	2,940.47	3/4	3,302.45
2	60.21	2	413.95	2	775.97	2	1,137.74	2	1,499.69	2	1,861.80	2	2,223.91	2	2,586.01	2	2,948.01	2	3,309.99
1/4	66.96	1/4	421.47	1/4	783.51	1/4	1,145.27	1/4	1,507.24	1/4	1,869.34	1/4	2,231.45	1/4	2,593.56	1/4	2,955.55	1/4	3,317.53
1/2	73.70	1/2	429.00	1/2	791.06	1/2	1,152.80	1/2	1,514.78	1/2	1,876.89	1/2	2,238.99	1/2	2,601.10	1/2	2,963.09	1/2	3,325.07
3/4	80.44	3/4	436.53	3/4	798.60	3/4	1,160.33	3/4	1,522.32	3/4	1,884.43	3/4	2,246.54	3/4	2,608.64	3/4	2,970.63	3/4	3,332.61
3	87.18	3	444.05	3	806.14	3	1,167.86	3	1,529.87	3	1,891.97	3	2,254.08	3	2,616.19	3	2,978.18	3	3,340.15
1/4	94.63	1/4	451.59	1/4	813.69	1/4	1,175.40	1/4	1,537.41	1/4	1,899.52	1/4	2,261.63	1/4	2,623.73	1/4	2,985.72	1/4	3,347.69
1/2	102.08	1/2	459.14	1/2	821.23	1/2	1,182.93	1/2	1,544.95	1/2	1,907.06	1/2	2,269.17	1/2	2,631.28	1/2	2,993.26	1/2	3,355.24
3/4	109.54	3/4	466.68	3/4	828.77	3/4	1,190.46	3/4	1,552.50	3/4	1,914.61	3/4	2,276.71	3/4	2,638.82	3/4	3,000.80	3/4	3,362.78
4	116.99	4	474.22	4	836.32	4	1,197.99	4	1,560.04	4	1,922.15	4	2,284.26	4	2,646.36	4	3,008.34	4	3,370.32
1/4	124.51	1/4	481.77	1/4	843.86	1/4	1,205.52	1/4	1,567.59	1/4	1,929.69	1/4	2,291.80	1/4	2,653.90	1/4	3,015.88	1/4	3,377.86
1/2	132.04	1/2	489.31	1/2	851.40	1/2	1,213.05	1/2	1,575.13	1/2	1,937.24	1/2	2,299.34	1/2	2,661.45	1/2	3,023.42	1/2	3,385.40
3/4	139.57	3/4	496.86	3/4	858.95	3/4	1,220.59	3/4	1,582.67	3/4	1,944.78	3/4	2,306.89	3/4	2,668.99	3/4	3,030.96	3/4	3,392.94
5	147.10	5	504.40	5	866.49	5	1,228.12	5	1,590.22	5	1,952.33	5	2,314.43	5	2,676.53	5	3,038.51	5	3,400.48
1/4	154.63	1/4	511.94	1/4	874.04	1/4	1,235.66	1/4	1,597.76	1/4	1,959.87	1/4	2,321.98	1/4	2,684.07	1/4	3,046.05	1/4	3,408.02
1/2	162.16	1/2	519.49	1/2	881.58	1/2	1,243.20	1/2	1,605.31	1/2	1,967.41	1/2	2,329.52	1/2	2,691.61	1/2	3,053.59	1/2	3,415.57
3/4	169.69	3/4	527.03	3/4	889.12	3/4	1,250.74	3/4	1,612.85	3/4	1,974.96	3/4	2,337.06	3/4	2,699.15	3/4	3,061.13	3/4	3,423.11
6	177.22	6	534.57	6	896.67	6	1,258.29	6	1,620.39	6	1,982.50	6	2,344.61	6	2,706.69	6	3,068.67	6	3,430.65
1/4	184.63	1/4	542.12	1/4	904.21	1/4	1,265.83	1/4	1,627.94	1/4	1,990.04	1/4	2,352.15	1/4	2,714.23	1/4	3,076.21	1/4	3,438.19
1/2	192.04	1/2	549.66	1/2	911.75	1/2	1,273.37	1/2	1,635.48	1/2	1,997.59	1/2	2,359.70	1/2	2,721.78	1/2	3,083.75	1/2	3,445.73
3/4	199.45	3/4	557.20	3/4	919.30	3/4	1,280.92	3/4	1,643.03	3/4	2,005.13	3/4	2,367.24	3/4	2,729.32	3/4	3,091.29	3/4	3,453.27
7	206.87	7	564.75	7	926.84	7	1,288.46	7	1,650.57	7	2,012.68	7	2,374.78	7	2,736.86	7	3,098.84	7	3,460.81
1/4	214.26	1/4	572.29	1/4	934.37	1/4	1,296.01	1/4	1,658.11	1/4	2,020.22	1/4	2,382.33	1/4	2,744.40	1/4	3,106.38	1/4	3,468.35
1/2	221.66	1/2	579.84	1/2	941.91	1/2	1,303.55	1/2	1,665.66	1/2	2,027.76	1/2	2,389.87	1/2	2,751.94	1/2	3,113.92	1/2	3,475.90
3/4	229.05	3/4	587.38	3/4	949.44	3/4	1,311.09	3/4	1,673.20	3/4	2,035.31	3/4	2,397.42	3/4	2,759.48	3/4	3,121.46	3/4	3,483.44
8	236.45	8	594.92	8	956.98	8	1,318.64	8	1,680.74	8	2,042.85	8	2,404.96	8	2,767.02	8	3,129.00	8	3,490.98
1/4	243.85	1/4	602.47	1/4	964.51	1/4	1,326.18	1/4	1,688.29	1/4	2,050.40	1/4	2,412.50	1/4	2,774.56	1/4	3,136.54	1/4	3,498.52
1/2	251.24	1/2	610.01	1/2	972.04	1/2	1,333.73	1/2	1,695.83	1/2	2,057.94	1/2	2,420.05	1/2	2,782.10	1/2	3,144.08	1/2	3,506.06
3/4	258.64	3/4	617.55	3/4	979.57	3/4	1,341.27	3/4	1,703.38	3/4	2,065.48	3/4	2,427.59	3/4	2,789.65	3/4	3,151.62	3/4	3,513.60
9	266.03	9	625.10	9	987.10	9	1,348.81	9	1,710.92	9	2,073.03	9	2,435.13	9	2,797.19	9	3,159.16	9	3,521.14
1/4	273.43	1/4	632.64	1/4	994.63	1/4	1,356.36	1/4	1,718.46	1/4	2,080.57	1/4	2,442.68	1/4	2,804.73	1/4	3,166.71	1/4	3,528.68
1/2	280.82	1/2	640.18	1/2	1,002.17	1/2	1,363.90	1/2	1,726.01	1/2	2,088.12	1/2	2,450.22	1/2	2,812.27	1/2	3,174.25	1/2	3,536.22
3/4	288.22	3/4	647.73	3/4	1,009.70	3/4	1,371.45	3/4	1,733.55	3/4	2,095.66	3/4	2,457.77	3/4	2,819.81	3/4	3,181.79	3/4	3,543.77
10	295.62	10	655.27	10	1,017.23	10	1,378.99	10	1,741.10	10	2,103.20	10	2,465.31	10	2,827.35	10	3,189.33	10	3,551.31
1/4	303.01	1/4	662.81	1/4	1,024.76	1/4	1,386.53	1/4	1,748.64	1/4	2,110.75	1/4	2,472.85	1/4	2,834.89	1/4	3,196.87	1/4	3,558.85
1/2	310.41	1/2	670.36	1/2	1,032.29	1/2	1,394.08	1/2	1,756.18	1/2	2,118.29	1/2	2,480.40	1/2	2,842.43	1/2	3,204.41	1/2	3,566.39
3/4	317.80	3/4	677.90	3/4	1,039.83	3/4	1,401.62	3/4	1,763.73	3/4	2,125.83	3/4	2,487.94	3/4	2,849.98	3/4	3,211.95	3/4	3,573.93
11	325.20	11	685.45	11	1,047.36	11	1,409.16	11	1,771.27	11	2,133.38	11	2,495.49	11	2,857.52	11	3,219.49	11	3,581.47
1/4	332.60	1/4	692.99	1/4	1,054.89	1/4	1,416.71	1/4	1,778.82	1/4	2,140.92	1/4	2,503.03	1/4	2,865.06	1/4	3,227.04	1/4	3,589.01
1/2	339.99	1/2	700.53	1/2	1,062.42	1/2	1,424.25	1/2	1,786.36	1/2	2,148.47	1/2	2,510.57	1/2	2,872.60	1/2	3,234.58	1/2	3,596.55
3/4	347.39	3/4	708.08	3/4	1,069.95	3/4	1,431.80	3/4	1,793.90	3/4	2,156.01	3/4	2,518.12	3/4	2,880.14	3/4	3,242.12	3/4	3,604.10

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD

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



BARGE "EMS 520"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,611.64	0	3,973.61	0	4,334.89	0	4,682.77	0	5,012.36	0		0		0		0		0	
1/4	3,619.18	1/4	3,981.16	1/4	4,342.31	1/4	4,689.81	1/4	5,019.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,626.72	1/2	3,988.70	1/2	4,349.73	1/2	4,696.85	1/2	5,027.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,634.26	3/4	3,996.24	3/4	4,357.15	3/4	4,703.89	3/4	5,034.53	3/4		3/4		3/4		3/4		3/4	
1	3,641.80	1	4,003.78	1	4,364.57	1	4,710.93	1	5,041.92	1		1		1		1		1	
1/4	3,649.34	1/4	4,011.32	1/4	4,371.97	1/4	4,717.91	1/4	5,049.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,656.88	1/2	4,018.86	1/2	4,379.36	1/2	4,724.90	1/2	5,056.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,664.43	3/4	4,026.40	3/4	4,386.75	3/4	4,731.88	3/4	5,064.25	3/4		3/4		3/4		3/4		3/4	
2	3,671.97	2	4,033.94	2	4,394.14	2	4,738.86	2	5,071.69	2		2		2		2		2	
1/4	3,679.51	1/4	4,041.49	1/4	4,401.50	1/4	4,745.81	1/4	5,079.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,687.05	1/2	4,049.03	1/2	4,408.86	1/2	4,752.76	1/2	5,086.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,694.59	3/4	4,056.57	3/4	4,416.22	3/4	4,759.70	3/4	5,094.02	3/4		3/4		3/4		3/4		3/4	
3	3,702.13	3	4,064.11	3	4,423.58	3	4,766.65	3	5,101.46	3		3		3		3		3	
1/4	3,709.67	1/4	4,071.65	1/4	4,430.91	1/4	4,773.57	1/4	5,108.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,717.21	1/2	4,079.19	1/2	4,438.24	1/2	4,780.49	1/2	5,116.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,724.75	3/4	4,086.73	3/4	4,445.56	3/4	4,787.41	3/4	5,123.79	3/4		3/4		3/4		3/4		3/4	
4	3,732.30	4	4,094.27	4	4,452.89	4	4,794.32	4	5,131.23	4		4		4		4		4	
1/4	3,739.84	1/4	4,101.81	1/4	4,460.18	1/4	4,801.21	1/4	5,138.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,747.38	1/2	4,109.36	1/2	4,467.48	1/2	4,808.09	1/2	5,146.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,754.92	3/4	4,116.90	3/4	4,474.77	3/4	4,814.98	3/4	5,153.56	3/4		3/4		3/4		3/4		3/4	
5	3,762.46	5	4,124.44	5	4,482.06	5	4,821.86	5	5,161.01	5		5		5		5		5	
1/4	3,770.00	1/4	4,131.98	1/4	4,489.33	1/4	4,828.71	1/4	5,168.31	1/4		1/4		1/4		1/4		1/4	
1/2	3,777.54	1/2	4,139.52	1/2	4,496.59	1/2	4,835.56	1/2	5,175.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,785.08	3/4	4,147.06	3/4	4,503.85	3/4	4,842.41	3/4	5,182.92	3/4		3/4		3/4		3/4		3/4	
6	3,792.63	6	4,154.60	6	4,511.12	6	4,849.26	6	5,190.23	6		6		6		6		6	
1/4	3,800.17	1/4	4,162.14	1/4	4,518.35	1/4	4,856.08	1/4	5,196.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,807.71	1/2	4,169.69	1/2	4,525.58	1/2	4,862.90	1/2	5,202.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,815.25	3/4	4,177.23	3/4	4,532.81	3/4	4,869.72	3/4	5,209.20	3/4		3/4		3/4		3/4		3/4	
7	3,822.79	7	4,184.77	7	4,540.05	7	4,876.54	7	5,215.52	7		7		7		7		7	
1/4	3,830.33	1/4	4,192.31	1/4	4,547.25	1/4	4,883.33	1/4	5,220.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,837.87	1/2	4,199.85	1/2	4,554.45	1/2	4,890.12	1/2	5,225.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,845.41	3/4	4,207.39	3/4	4,561.65	3/4	4,896.91	3/4	5,230.85	3/4		3/4		3/4		3/4		3/4	
8	3,852.96	8	4,214.93	8	4,568.85	8	4,903.70	8	5,235.96	8		8		8		8		8	
1/4	3,860.50	1/4	4,222.47	1/4	4,576.01	1/4	4,910.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,868.04	1/2	4,230.00	1/2	4,583.18	1/2	4,917.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,875.58	3/4	4,237.54	3/4	4,590.34	3/4	4,923.98	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,883.12	9	4,245.07	9	4,597.51	9	4,930.74	9		9		9		9		9		9	
1/4	3,890.66	1/4	4,252.59	1/4	4,604.64	1/4	4,937.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,898.20	1/2	4,260.11	1/2	4,611.78	1/2	4,944.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,905.74	3/4	4,267.62	3/4	4,618.91	3/4	4,950.93	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,913.28	10	4,275.14	10	4,626.05	10	4,957.65	10		10		10		10		10		10	
1/4	3,920.83	1/4	4,282.63	1/4	4,633.15	1/4	4,964.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,928.37	1/2	4,290.11	1/2	4,640.26	1/2	4,971.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,935.91	3/4	4,297.60	3/4	4,647.36	3/4	4,977.74	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,943.45	11	4,305.08	11	4,654.47	11	4,984.43	11		11		11		11		11		11	
1/4	3,950.99	1/4	4,312.54	1/4	4,661.54	1/4	4,991.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,958.53	1/2	4,319.99	1/2	4,668.62	1/2	4,998.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,966.07	3/4	4,327.44	3/4	4,675.69	3/4	5,005.38	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2020 CL
CALCULATED: 07/28/2020 CL
PRINTED: 07/28/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2020

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



BARGE "EMS 520"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	21.33	0	354.32	0	714.70	0	1,068.31	0	1,421.59	0	1,783.24	0	2,144.88	0	2,506.52	0	2,866.36	0	3,227.86
1/4	25.55	1/4	361.71	1/4	722.23	1/4	1,075.50	1/4	1,429.13	1/4	1,790.77	1/4	2,152.41	1/4	2,514.05	1/4	2,873.89	1/4	3,235.39
1/2	29.78	1/2	369.10	1/2	729.77	1/2	1,082.69	1/2	1,436.66	1/2	1,798.30	1/2	2,159.95	1/2	2,521.59	1/2	2,881.42	1/2	3,242.93
3/4	34.00	3/4	376.48	3/4	737.30	3/4	1,089.89	3/4	1,444.20	3/4	1,805.84	3/4	2,167.48	3/4	2,529.12	3/4	2,888.95	3/4	3,250.46
1	38.22	1	383.87	1	744.83	1	1,097.08	1	1,451.73	1	1,813.37	1	2,175.01	1	2,536.66	1	2,896.48	1	3,257.99
1/4	43.70	1/4	391.26	1/4	752.37	1/4	1,104.27	1/4	1,459.27	1/4	1,820.91	1/4	2,182.55	1/4	2,544.19	1/4	2,904.01	1/4	3,265.52
1/2	49.18	1/2	398.64	1/2	759.90	1/2	1,111.46	1/2	1,466.80	1/2	1,828.44	1/2	2,190.08	1/2	2,551.72	1/2	2,911.54	1/2	3,273.05
3/4	54.66	3/4	406.03	3/4	767.44	3/4	1,118.65	3/4	1,474.33	3/4	1,835.98	3/4	2,197.62	3/4	2,559.26	3/4	2,919.08	3/4	3,280.58
2	60.14	2	413.41	2	774.97	2	1,125.84	2	1,481.87	2	1,843.51	2	2,205.15	2	2,566.79	2	2,926.61	2	3,288.11
1/4	66.87	1/4	420.93	1/4	782.50	1/4	1,133.03	1/4	1,489.40	1/4	1,851.04	1/4	2,212.69	1/4	2,574.33	1/4	2,934.14	1/4	3,295.65
1/2	73.60	1/2	428.45	1/2	790.04	1/2	1,140.22	1/2	1,496.94	1/2	1,858.58	1/2	2,220.22	1/2	2,581.86	1/2	2,941.67	1/2	3,303.18
3/4	80.34	3/4	435.96	3/4	797.57	3/4	1,147.41	3/4	1,504.47	3/4	1,866.11	3/4	2,227.75	3/4	2,589.40	3/4	2,949.20	3/4	3,310.71
3	87.07	3	443.48	3	805.10	3	1,154.60	3	1,512.00	3	1,873.65	3	2,235.29	3	2,596.93	3	2,956.73	3	3,318.24
1/4	94.51	1/4	451.01	1/4	812.64	1/4	1,161.80	1/4	1,519.54	1/4	1,881.18	1/4	2,242.82	1/4	2,604.46	1/4	2,964.26	1/4	3,325.77
1/2	101.95	1/2	458.55	1/2	820.17	1/2	1,168.99	1/2	1,527.07	1/2	1,888.71	1/2	2,250.36	1/2	2,611.99	1/2	2,971.80	1/2	3,333.30
3/4	109.39	3/4	466.08	3/4	827.71	3/4	1,176.18	3/4	1,534.61	3/4	1,896.25	3/4	2,257.89	3/4	2,619.52	3/4	2,979.33	3/4	3,340.83
4	116.83	4	473.61	4	835.24	4	1,183.37	4	1,542.14	4	1,903.78	4	2,265.42	4	2,627.05	4	2,986.86	4	3,348.37
1/4	124.35	1/4	481.15	1/4	842.77	1/4	1,190.56	1/4	1,549.68	1/4	1,911.32	1/4	2,272.96	1/4	2,634.49	1/4	2,994.39	1/4	3,355.90
1/2	131.87	1/2	488.68	1/2	850.31	1/2	1,197.75	1/2	1,557.21	1/2	1,918.85	1/2	2,280.49	1/2	2,641.93	1/2	3,001.92	1/2	3,363.43
3/4	139.39	3/4	496.21	3/4	857.84	3/4	1,204.94	3/4	1,564.74	3/4	1,926.39	3/4	2,288.03	3/4	2,649.37	3/4	3,009.45	3/4	3,370.96
5	146.91	5	503.75	5	865.38	5	1,212.13	5	1,572.28	5	1,933.92	5	2,295.56	5	2,656.81	5	3,016.98	5	3,378.49
1/4	154.43	1/4	511.28	1/4	872.91	1/4	1,219.33	1/4	1,579.81	1/4	1,941.45	1/4	2,303.10	1/4	2,664.23	1/4	3,024.52	1/4	3,386.02
1/2	161.95	1/2	518.82	1/2	880.44	1/2	1,226.54	1/2	1,587.35	1/2	1,948.99	1/2	2,310.63	1/2	2,671.66	1/2	3,032.05	1/2	3,393.55
3/4	169.47	3/4	526.35	3/4	887.98	3/4	1,233.74	3/4	1,594.88	3/4	1,956.52	3/4	2,318.16	3/4	2,679.08	3/4	3,039.58	3/4	3,401.09
6	176.99	6	533.88	6	895.51	6	1,240.94	6	1,602.42	6	1,964.06	6	2,325.70	6	2,686.51	6	3,047.11	6	3,408.62
1/4	184.39	1/4	541.42	1/4	902.76	1/4	1,248.43	1/4	1,609.95	1/4	1,971.59	1/4	2,333.23	1/4	2,693.93	1/4	3,054.64	1/4	3,416.15
1/2	191.79	1/2	548.95	1/2	910.00	1/2	1,255.93	1/2	1,617.48	1/2	1,979.13	1/2	2,340.77	1/2	2,701.36	1/2	3,062.17	1/2	3,423.68
3/4	199.20	3/4	556.49	3/4	917.24	3/4	1,263.42	3/4	1,625.02	3/4	1,986.66	3/4	2,348.30	3/4	2,708.78	3/4	3,069.70	3/4	3,431.21
7	206.60	7	564.02	7	924.49	7	1,270.91	7	1,632.55	7	1,994.19	7	2,355.84	7	2,716.21	7	3,077.23	7	3,438.74
1/4	213.98	1/4	571.55	1/4	931.68	1/4	1,278.44	1/4	1,640.09	1/4	2,001.73	1/4	2,363.37	1/4	2,723.63	1/4	3,084.77	1/4	3,446.27
1/2	221.37	1/2	579.09	1/2	938.87	1/2	1,285.98	1/2	1,647.62	1/2	2,009.26	1/2	2,370.90	1/2	2,731.06	1/2	3,092.30	1/2	3,453.80
3/4	228.76	3/4	586.62	3/4	946.06	3/4	1,293.51	3/4	1,655.15	3/4	2,016.80	3/4	2,378.44	3/4	2,738.48	3/4	3,099.83	3/4	3,461.34
8	236.14	8	594.16	8	953.26	8	1,301.05	8	1,662.69	8	2,024.33	8	2,385.97	8	2,745.91	8	3,107.36	8	3,468.87
1/4	243.53	1/4	601.69	1/4	960.45	1/4	1,308.58	1/4	1,670.22	1/4	2,031.86	1/4	2,393.51	1/4	2,753.43	1/4	3,114.89	1/4	3,476.40
1/2	250.92	1/2	609.22	1/2	967.64	1/2	1,316.12	1/2	1,677.76	1/2	2,039.40	1/2	2,401.04	1/2	2,760.94	1/2	3,122.42	1/2	3,483.93
3/4	258.30	3/4	616.76	3/4	974.83	3/4	1,323.65	3/4	1,685.29	3/4	2,046.93	3/4	2,408.57	3/4	2,768.46	3/4	3,129.95	3/4	3,491.46
9	265.69	9	624.29	9	982.02	9	1,331.18	9	1,692.83	9	2,054.47	9	2,416.11	9	2,775.98	9	3,137.49	9	3,498.99
1/4	273.08	1/4	631.82	1/4	989.21	1/4	1,338.72	1/4	1,700.36	1/4	2,062.00	1/4	2,423.64	1/4	2,783.51	1/4	3,145.02	1/4	3,506.52
1/2	280.46	1/2	639.36	1/2	996.40	1/2	1,346.25	1/2	1,707.89	1/2	2,069.54	1/2	2,431.18	1/2	2,791.04	1/2	3,152.55	1/2	3,514.06
3/4	287.85	3/4	646.89	3/4	1,003.59	3/4	1,353.79	3/4	1,715.43	3/4	2,077.07	3/4	2,438.71	3/4	2,798.57	3/4	3,160.08	3/4	3,521.59
10	295.23	10	654.43	10	1,010.78	10	1,361.32	10	1,722.96	10	2,084.60	10	2,446.25	10	2,806.10	10	3,167.61	10	3,529.12
1/4	302.62	1/4	661.96	1/4	1,017.98	1/4	1,368.86	1/4	1,730.50	1/4	2,092.14	1/4	2,453.78	1/4	2,813.64	1/4	3,175.14	1/4	3,536.65
1/2	310.01	1/2	669.49	1/2	1,025.17	1/2	1,376.39	1/2	1,738.03	1/2	2,099.67	1/2	2,461.31	1/2	2,821.17	1/2	3,182.67	1/2	3,544.18
3/4	317.39	3/4	677.03	3/4	1,032.36	3/4	1,383.92	3/4	1,745.57	3/4	2,107.21	3/4	2,468.85	3/4	2,828.70	3/4	3,190.21	3/4	3,551.71
11	324.78	11	684.56	11	1,039.55	11	1,391.46	11	1,753.10	11	2,114.74	11	2,476.38	11	2,836.23	11	3,197.74	11	3,559.24
1/4	332.17	1/4	692.10	1/4	1,046.74	1/4	1,398.99	1/4	1,760.63	1/4	2,122.28	1/4	2,483.92	1/4	2,843.76	1/4	3,205.27	1/4	3,566.78
1/2	339.55	1/2	699.63	1/2	1,053.93	1/2	1,406.53	1/2	1,768.17	1/2	2,129.81	1/2	2,491.45	1/2	2,851.29	1/2	3,212.80	1/2	3,574.31
3/4	346.94	3/4	707.16	3/4	1,061.12	3/4	1,414.06	3/4	1,775.70	3/4	2,137.34	3/4	2,498.99	3/4	2,858.82	3/4	3,220.33	3/4	3,581.84

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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





BARGE "EMS 520"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,589.37	0	3,950.88	0	4,311.69	0	4,659.12	0	4,988.30	0		0		0		0		0	
1/4	3,596.90	1/4	3,958.41	1/4	4,319.10	1/4	4,666.16	1/4	4,995.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,604.43	1/2	3,965.94	1/2	4,326.51	1/2	4,673.19	1/2	5,003.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,611.96	3/4	3,973.47	3/4	4,333.93	3/4	4,680.22	3/4	5,010.44	3/4		3/4		3/4		3/4		3/4	
1	3,619.50	1	3,981.00	1	4,341.34	1	4,687.25	1	5,017.83	1		1		1		1		1	
1/4	3,627.03	1/4	3,988.53	1/4	4,348.72	1/4	4,694.23	1/4	5,025.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,634.56	1/2	3,996.07	1/2	4,356.10	1/2	4,701.20	1/2	5,032.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,642.09	3/4	4,003.60	3/4	4,363.48	3/4	4,708.17	3/4	5,040.13	3/4		3/4		3/4		3/4		3/4	
2	3,649.62	2	4,011.13	2	4,370.86	2	4,715.15	2	5,047.56	2		2		2		2		2	
1/4	3,657.15	1/4	4,018.66	1/4	4,378.21	1/4	4,722.08	1/4	5,054.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,664.68	1/2	4,026.19	1/2	4,385.57	1/2	4,729.02	1/2	5,062.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,672.22	3/4	4,033.72	3/4	4,392.92	3/4	4,735.96	3/4	5,069.86	3/4		3/4		3/4		3/4		3/4	
3	3,679.75	3	4,041.25	3	4,400.27	3	4,742.90	3	5,077.29	3		3		3		3		3	
1/4	3,687.28	1/4	4,048.79	1/4	4,407.59	1/4	4,749.81	1/4	5,084.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,694.81	1/2	4,056.32	1/2	4,414.90	1/2	4,756.72	1/2	5,092.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,702.34	3/4	4,063.85	3/4	4,422.22	3/4	4,763.63	3/4	5,099.59	3/4		3/4		3/4		3/4		3/4	
4	3,709.87	4	4,071.38	4	4,429.54	4	4,770.54	4	5,107.02	4		4		4		4		4	
1/4	3,717.40	1/4	4,078.91	1/4	4,436.82	1/4	4,777.41	1/4	5,114.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,724.94	1/2	4,086.44	1/2	4,444.11	1/2	4,784.29	1/2	5,121.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,732.47	3/4	4,093.97	3/4	4,451.39	3/4	4,791.17	3/4	5,129.32	3/4		3/4		3/4		3/4		3/4	
5	3,740.00	5	4,101.51	5	4,458.68	5	4,798.04	5	5,136.76	5		5		5		5		5	
1/4	3,747.53	1/4	4,109.04	1/4	4,465.93	1/4	4,804.88	1/4	5,144.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,755.06	1/2	4,116.57	1/2	4,473.18	1/2	4,811.73	1/2	5,151.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,762.59	3/4	4,124.10	3/4	4,480.44	3/4	4,818.57	3/4	5,158.64	3/4		3/4		3/4		3/4		3/4	
6	3,770.12	6	4,131.63	6	4,487.69	6	4,825.41	6	5,165.94	6		6		6		6		6	
1/4	3,777.66	1/4	4,139.16	1/4	4,494.91	1/4	4,832.22	1/4	5,172.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,785.19	1/2	4,146.69	1/2	4,502.14	1/2	4,839.03	1/2	5,178.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,792.72	3/4	4,154.23	3/4	4,509.36	3/4	4,845.84	3/4	5,184.88	3/4		3/4		3/4		3/4		3/4	
7	3,800.25	7	4,161.76	7	4,516.59	7	4,852.65	7	5,191.20	7		7		7		7		7	
1/4	3,807.78	1/4	4,169.29	1/4	4,523.78	1/4	4,859.44	1/4	5,196.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,815.31	1/2	4,176.82	1/2	4,530.97	1/2	4,866.22	1/2	5,201.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,822.84	3/4	4,184.35	3/4	4,538.16	3/4	4,873.00	3/4	5,206.51	3/4		3/4		3/4		3/4		3/4	
8	3,830.37	8	4,191.88	8	4,545.35	8	4,879.78	8	5,211.61	8		8		8		8		8	
1/4	3,837.91	1/4	4,199.41	1/4	4,552.50	1/4	4,886.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,845.44	1/2	4,206.94	1/2	4,559.66	1/2	4,893.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,852.97	3/4	4,214.46	3/4	4,566.82	3/4	4,900.03	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,860.50	9	4,221.99	9	4,573.97	9	4,906.78	9		9		9		9		9		9	
1/4	3,868.03	1/4	4,229.50	1/4	4,581.10	1/4	4,913.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,875.56	1/2	4,237.01	1/2	4,588.22	1/2	4,920.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,883.09	3/4	4,244.51	3/4	4,595.35	3/4	4,926.94	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,890.63	10	4,252.02	10	4,602.48	10	4,933.66	10		10		10		10		10		10	
1/4	3,898.16	1/4	4,259.50	1/4	4,609.57	1/4	4,940.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,905.69	1/2	4,266.97	1/2	4,616.67	1/2	4,947.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,913.22	3/4	4,274.45	3/4	4,623.76	3/4	4,953.72	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,920.75	11	4,281.92	11	4,630.86	11	4,960.41	11		11		11		11		11		11	
1/4	3,928.28	1/4	4,289.37	1/4	4,637.93	1/4	4,967.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,935.81	1/2	4,296.81	1/2	4,644.99	1/2	4,974.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,943.35	3/4	4,304.25	3/4	4,652.06	3/4	4,981.33	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2020 CL
CALCULATED: 07/28/2020 CL
PRINTED: 07/28/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2020

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



BARGE "EMS 520"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	21.29	0	353.66	0	713.35	0	1,074.11	0	1,434.91	0	1,795.88	0	2,156.83	0	2,517.71	0	2,878.41	0	3,238.22
1/4	25.51	1/4	361.03	1/4	720.87	1/4	1,081.62	1/4	1,442.43	1/4	1,803.40	1/4	2,164.34	1/4	2,525.23	1/4	2,885.91	1/4	3,245.69
1/2	29.72	1/2	368.40	1/2	728.39	1/2	1,089.13	1/2	1,449.95	1/2	1,810.92	1/2	2,171.86	1/2	2,532.75	1/2	2,893.42	1/2	3,253.16
3/4	33.94	3/4	375.77	3/4	735.91	3/4	1,096.64	3/4	1,457.47	3/4	1,818.44	3/4	2,179.38	3/4	2,540.26	3/4	2,900.92	3/4	3,260.63
1	38.16	1	383.14	1	743.43	1	1,104.15	1	1,464.99	1	1,825.96	1	2,186.90	1	2,547.78	1	2,908.42	1	3,268.10
1/4	43.62	1/4	390.52	1/4	750.95	1/4	1,111.66	1/4	1,472.51	1/4	1,833.48	1/4	2,194.42	1/4	2,555.30	1/4	2,915.93	1/4	3,275.57
1/2	49.09	1/2	397.89	1/2	758.47	1/2	1,119.17	1/2	1,480.03	1/2	1,841.00	1/2	2,201.94	1/2	2,562.82	1/2	2,923.43	1/2	3,283.04
3/4	54.56	3/4	405.26	3/4	765.99	3/4	1,126.68	3/4	1,487.55	3/4	1,848.52	3/4	2,209.46	3/4	2,570.34	3/4	2,930.94	3/4	3,290.51
2	60.03	2	412.63	2	773.51	2	1,134.19	2	1,495.07	2	1,856.04	2	2,216.97	2	2,577.86	2	2,938.44	2	3,297.98
1/4	66.75	1/4	420.13	1/4	781.03	1/4	1,141.70	1/4	1,502.59	1/4	1,863.56	1/4	2,224.49	1/4	2,585.38	1/4	2,945.95	1/4	3,305.45
1/2	73.47	1/2	427.63	1/2	788.55	1/2	1,149.21	1/2	1,510.11	1/2	1,871.08	1/2	2,232.01	1/2	2,592.89	1/2	2,953.45	1/2	3,312.92
3/4	80.19	3/4	435.14	3/4	796.07	3/4	1,156.73	3/4	1,517.63	3/4	1,878.60	3/4	2,239.53	3/4	2,600.41	3/4	2,960.95	3/4	3,320.39
3	86.91	3	442.64	3	803.59	3	1,164.24	3	1,525.15	3	1,886.12	3	2,247.05	3	2,607.93	3	2,968.46	3	3,327.86
1/4	94.34	1/4	450.16	1/4	811.11	1/4	1,171.75	1/4	1,532.67	1/4	1,893.64	1/4	2,254.57	1/4	2,615.45	1/4	2,976.96	1/4	3,335.34
1/2	101.77	1/2	457.68	1/2	818.63	1/2	1,179.26	1/2	1,540.19	1/2	1,901.16	1/2	2,262.08	1/2	2,622.97	1/2	2,983.47	1/2	3,342.83
3/4	109.19	3/4	465.20	3/4	826.15	3/4	1,186.77	3/4	1,547.71	3/4	1,908.68	3/4	2,269.60	3/4	2,630.48	3/4	2,990.97	3/4	3,350.31
4	116.62	4	472.72	4	833.67	4	1,194.28	4	1,555.23	4	1,916.20	4	2,277.12	4	2,638.00	4	2,998.47	4	3,357.79
1/4	124.13	1/4	480.24	1/4	841.19	1/4	1,201.80	1/4	1,562.75	1/4	1,923.72	1/4	2,284.64	1/4	2,645.52	1/4	3,005.98	1/4	3,365.28
1/2	131.63	1/2	487.76	1/2	848.71	1/2	1,209.31	1/2	1,570.27	1/2	1,931.24	1/2	2,292.16	1/2	2,653.04	1/2	3,013.48	1/2	3,372.76
3/4	139.14	3/4	495.28	3/4	856.23	3/4	1,216.83	3/4	1,577.79	3/4	1,938.76	3/4	2,299.68	3/4	2,660.55	3/4	3,020.99	3/4	3,380.25
5	146.64	5	502.80	5	863.75	5	1,224.35	5	1,585.31	5	1,946.28	5	2,307.19	5	2,668.07	5	3,028.49	5	3,387.73
1/4	154.15	1/4	510.32	1/4	871.27	1/4	1,231.87	1/4	1,592.84	1/4	1,953.80	1/4	2,314.71	1/4	2,675.59	1/4	3,036.00	1/4	3,395.22
1/2	161.65	1/2	517.84	1/2	878.79	1/2	1,239.39	1/2	1,600.36	1/2	1,961.32	1/2	2,322.23	1/2	2,683.10	1/2	3,043.50	1/2	3,402.71
3/4	169.16	3/4	525.36	3/4	886.31	3/4	1,246.91	3/4	1,607.88	3/4	1,968.85	3/4	2,329.75	3/4	2,690.62	3/4	3,051.00	3/4	3,410.19
6	176.66	6	532.88	6	893.83	6	1,254.43	6	1,615.40	6	1,976.37	6	2,337.27	6	2,698.14	6	3,058.51	6	3,417.68
1/4	184.05	1/4	540.40	1/4	901.35	1/4	1,261.95	1/4	1,622.92	1/4	1,983.89	1/4	2,344.79	1/4	2,705.66	1/4	3,066.01	1/4	3,425.16
1/2	191.44	1/2	547.92	1/2	908.86	1/2	1,269.47	1/2	1,630.44	1/2	1,991.41	1/2	2,352.30	1/2	2,713.17	1/2	3,073.52	1/2	3,432.65
3/4	198.83	3/4	555.44	3/4	916.38	3/4	1,276.99	3/4	1,637.96	3/4	1,998.93	3/4	2,359.82	3/4	2,720.69	3/4	3,081.02	3/4	3,440.13
7	206.22	7	562.96	7	923.89	7	1,284.51	7	1,645.48	7	2,006.45	7	2,367.34	7	2,728.21	7	3,088.53	7	3,447.62
1/4	213.59	1/4	570.48	1/4	931.40	1/4	1,292.03	1/4	1,653.00	1/4	2,013.97	1/4	2,374.86	1/4	2,735.72	1/4	3,096.03	1/4	3,455.11
1/2	220.96	1/2	578.00	1/2	938.91	1/2	1,299.55	1/2	1,660.52	1/2	2,021.49	1/2	2,382.38	1/2	2,743.24	1/2	3,103.53	1/2	3,462.59
3/4	228.33	3/4	585.52	3/4	946.42	3/4	1,307.07	3/4	1,668.04	3/4	2,029.01	3/4	2,389.90	3/4	2,750.76	3/4	3,111.04	3/4	3,470.08
8	235.70	8	593.04	8	953.94	8	1,314.59	8	1,675.56	8	2,036.53	8	2,397.42	8	2,758.27	8	3,118.54	8	3,477.56
1/4	243.08	1/4	600.56	1/4	961.45	1/4	1,322.11	1/4	1,683.08	1/4	2,044.05	1/4	2,404.93	1/4	2,765.79	1/4	3,126.05	1/4	3,485.05
1/2	250.45	1/2	608.08	1/2	968.96	1/2	1,329.63	1/2	1,690.60	1/2	2,051.57	1/2	2,412.45	1/2	2,773.31	1/2	3,133.55	1/2	3,492.53
3/4	257.82	3/4	615.60	3/4	976.47	3/4	1,337.15	3/4	1,698.12	3/4	2,059.09	3/4	2,419.97	3/4	2,780.83	3/4	3,141.05	3/4	3,500.02
9	265.19	9	623.11	9	983.98	9	1,344.67	9	1,705.64	9	2,066.61	9	2,427.49	9	2,788.35	9	3,148.56	9	3,507.50
1/4	272.56	1/4	630.63	1/4	991.49	1/4	1,352.19	1/4	1,713.16	1/4	2,074.12	1/4	2,435.01	1/4	2,795.86	1/4	3,156.03	1/4	3,511.98
1/2	279.94	1/2	638.15	1/2	999.00	1/2	1,359.71	1/2	1,720.68	1/2	2,081.64	1/2	2,442.53	1/2	2,803.36	1/2	3,163.51	1/2	3,516.46
3/4	287.31	3/4	645.67	3/4	1,006.51	3/4	1,367.23	3/4	1,728.20	3/4	2,089.16	3/4	2,450.04	3/4	2,810.87	3/4	3,170.98	3/4	3,520.94
10	294.68	10	653.19	10	1,014.02	10	1,374.75	10	1,735.72	10	2,096.68	10	2,457.56	10	2,818.37	10	3,178.46	10	3,525.42
1/4	302.05	1/4	660.71	1/4	1,021.53	1/4	1,382.27	1/4	1,743.24	1/4	2,104.20	1/4	2,465.08	1/4	2,825.88	1/4	3,185.93	1/4	3,529.47
1/2	309.42	1/2	668.23	1/2	1,029.04	1/2	1,389.79	1/2	1,750.76	1/2	2,111.72	1/2	2,472.60	1/2	2,833.38	1/2	3,193.40	1/2	3,533.52
3/4	316.80	3/4	675.75	3/4	1,036.55	3/4	1,397.31	3/4	1,758.28	3/4	2,119.23	3/4	2,480.12	3/4	2,840.89	3/4	3,200.87	3/4	3,537.56
11	324.17	11	683.27	11	1,044.06	11	1,404.83	11	1,765.80	11	2,126.75	11	2,487.64	11	2,848.39	11	3,208.34	11	3,541.61
1/4	331.54	1/4	690.79	1/4	1,051.58	1/4	1,412.35	1/4	1,773.32	1/4	2,134.27	1/4	2,495.15	1/4	2,855.90	1/4	3,215.81	1/4	3,545.66
1/2	338.91	1/2	698.31	1/2	1,059.09	1/2	1,419.87	1/2	1,780.84	1/2	2,141.79	1/2	2,502.67	1/2	2,863.40	1/2	3,223.28	1/2	3,549.71
3/4	346.28	3/4	705.83	3/4	1,066.60	3/4	1,427.39	3/4	1,788.36	3/4	2,149.31	3/4	2,510.19	3/4	2,870.90	3/4	3,230.75	3/4	3,553.76

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD

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



BARGE "EMS 520"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,557.81	0	3,752.14	0	3,945.79	0	4,126.07	0	4,288.84	0		0		0		0		0	
1/4	3,561.86	1/4	3,756.19	1/4	3,949.72	1/4	4,129.62	1/4	4,292.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,565.90	1/2	3,760.24	1/2	3,953.64	1/2	4,133.17	1/2	4,296.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,569.95	3/4	3,764.29	3/4	3,957.57	3/4	4,136.72	3/4	4,300.67	3/4		3/4		3/4		3/4		3/4	
1	3,574.00	1	3,768.34	1	3,961.50	1	4,140.27	1	4,304.61	1		1		1		1		1	
1/4	3,578.05	1/4	3,772.39	1/4	3,965.40	1/4	4,143.77	1/4	4,308.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,582.10	1/2	3,776.44	1/2	3,969.30	1/2	4,147.28	1/2	4,312.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,586.15	3/4	3,780.49	3/4	3,973.20	3/4	4,150.78	3/4	4,316.60	3/4		3/4		3/4		3/4		3/4	
2	3,590.20	2	3,784.53	2	3,977.10	2	4,154.29	2	4,320.60	2		2		2		2		2	
1/4	3,594.25	1/4	3,788.58	1/4	3,980.97	1/4	4,157.76	1/4	4,324.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,598.29	1/2	3,792.63	1/2	3,984.84	1/2	4,161.23	1/2	4,328.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,602.34	3/4	3,796.68	3/4	3,988.70	3/4	4,164.70	3/4	4,332.58	3/4		3/4		3/4		3/4		3/4	
3	3,606.39	3	3,800.73	3	3,992.57	3	4,168.17	3	4,336.58	3		3		3		3		3	
1/4	3,610.44	1/4	3,804.78	1/4	3,996.41	1/4	4,171.61	1/4	4,340.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,614.49	1/2	3,808.83	1/2	4,000.24	1/2	4,175.05	1/2	4,344.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,618.54	3/4	3,812.88	3/4	4,004.08	3/4	4,178.50	3/4	4,348.56	3/4		3/4		3/4		3/4		3/4	
4	3,622.59	4	3,816.92	4	4,007.91	4	4,181.94	4	4,352.56	4		4		4		4		4	
1/4	3,626.64	1/4	3,820.97	1/4	4,011.72	1/4	4,185.35	1/4	4,356.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,630.68	1/2	3,825.02	1/2	4,015.52	1/2	4,188.76	1/2	4,360.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,634.73	3/4	3,829.07	3/4	4,019.32	3/4	4,192.16	3/4	4,364.55	3/4		3/4		3/4		3/4		3/4	
5	3,638.78	5	3,833.12	5	4,023.12	5	4,195.57	5	4,368.54	5		5		5		5		5	
1/4	3,642.83	1/4	3,837.17	1/4	4,026.89	1/4	4,198.95	1/4	4,372.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,646.88	1/2	3,841.22	1/2	4,030.66	1/2	4,202.32	1/2	4,376.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,650.93	3/4	3,845.26	3/4	4,034.44	3/4	4,205.70	3/4	4,380.13	3/4		3/4		3/4		3/4		3/4	
6	3,654.98	6	3,849.31	6	4,038.21	6	4,209.07	6	4,383.99	6		6		6		6		6	
1/4	3,659.02	1/4	3,853.36	1/4	4,041.95	1/4	4,212.42	1/4	4,386.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,663.07	1/2	3,857.41	1/2	4,045.69	1/2	4,215.76	1/2	4,389.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,667.12	3/4	3,861.46	3/4	4,049.43	3/4	4,219.10	3/4	4,392.63	3/4		3/4		3/4		3/4		3/4	
7	3,671.17	7	3,865.51	7	4,053.17	7	4,222.45	7	4,395.51	7		7		7		7		7	
1/4	3,675.22	1/4	3,869.56	1/4	4,056.88	1/4	4,225.76	1/4	4,397.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,679.27	1/2	3,873.61	1/2	4,060.59	1/2	4,229.08	1/2	4,398.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,683.32	3/4	3,877.65	3/4	4,064.30	3/4	4,232.39	3/4	4,400.48	3/4		3/4		3/4		3/4		3/4	
8	3,687.37	8	3,881.70	8	4,068.01	8	4,235.70	8	4,402.14	8		8		8		8		8	
1/4	3,691.41	1/4	3,885.75	1/4	4,071.68	1/4	4,238.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,695.46	1/2	3,889.79	1/2	4,075.35	1/2	4,242.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,699.51	3/4	3,893.83	3/4	4,079.03	3/4	4,245.56	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,703.56	9	3,897.88	9	4,082.70	9	4,248.84	9		9		9		9		9		9	
1/4	3,707.61	1/4	3,901.90	1/4	4,086.35	1/4	4,252.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,711.66	1/2	3,905.93	1/2	4,089.99	1/2	4,255.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.71	3/4	3,909.95	3/4	4,093.63	3/4	4,258.59	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,719.76	10	3,913.98	10	4,097.28	10	4,261.84	10		10		10		10		10		10	
1/4	3,723.80	1/4	3,917.97	1/4	4,100.89	1/4	4,265.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,727.85	1/2	3,921.96	1/2	4,104.50	1/2	4,268.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,731.90	3/4	3,925.96	3/4	4,108.12	3/4	4,271.50	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,735.95	11	3,929.95	11	4,111.73	11	4,274.71	11		11		11		11		11		11	
1/4	3,740.00	1/4	3,933.91	1/4	4,115.32	1/4	4,278.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,744.05	1/2	3,937.87	1/2	4,118.90	1/2	4,281.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,748.10	3/4	3,941.83	3/4	4,122.48	3/4	4,285.31	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2020 CL
CALCULATED: 07/28/2020 CL
PRINTED: 07/28/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2020

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



BARGE "EMS 520"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	21.25	0	352.47	0	710.92	0	1,059.09	0	1,412.21	0	1,771.31	0	2,130.89	0	2,490.42	0	2,848.06	0	3,206.34
1/4	25.46	1/4	359.81	1/4	718.42	1/4	1,066.25	1/4	1,419.64	1/4	1,778.80	1/4	2,138.38	1/4	2,497.91	1/4	2,855.54	1/4	3,213.78
1/2	29.67	1/2	367.16	1/2	725.91	1/2	1,073.40	1/2	1,427.08	1/2	1,786.29	1/2	2,145.87	1/2	2,505.40	1/2	2,863.01	1/2	3,221.22
3/4	33.88	3/4	374.51	3/4	733.41	3/4	1,080.56	3/4	1,434.51	3/4	1,793.78	3/4	2,153.36	3/4	2,512.89	3/4	2,870.49	3/4	3,228.66
1	38.08	1	381.85	1	740.90	1	1,087.72	1	1,441.94	1	1,801.27	1	2,160.86	1	2,520.38	1	2,877.96	1	3,236.10
1/4	43.53	1/4	389.20	1/4	748.39	1/4	1,094.87	1/4	1,449.37	1/4	1,808.77	1/4	2,168.35	1/4	2,527.87	1/4	2,885.43	1/4	3,243.54
1/2	48.98	1/2	396.55	1/2	755.89	1/2	1,102.03	1/2	1,456.80	1/2	1,816.26	1/2	2,175.84	1/2	2,535.37	1/2	2,892.90	1/2	3,250.99
3/4	54.43	3/4	403.89	3/4	763.38	3/4	1,109.19	3/4	1,464.23	3/4	1,823.75	3/4	2,183.33	3/4	2,542.86	3/4	2,900.37	3/4	3,258.43
2	59.88	2	411.24	2	770.88	2	1,116.34	2	1,471.66	2	1,831.24	2	2,190.82	2	2,550.35	2	2,907.84	2	3,265.87
1/4	66.56	1/4	418.71	1/4	778.37	1/4	1,123.50	1/4	1,479.14	1/4	1,838.73	1/4	2,198.31	1/4	2,557.84	1/4	2,915.31	1/4	3,273.31
1/2	73.25	1/2	426.19	1/2	785.86	1/2	1,130.66	1/2	1,486.63	1/2	1,846.23	1/2	2,205.80	1/2	2,565.33	1/2	2,922.78	1/2	3,280.75
3/4	79.94	3/4	433.66	3/4	793.36	3/4	1,137.81	3/4	1,494.11	3/4	1,853.72	3/4	2,213.29	3/4	2,572.82	3/4	2,930.25	3/4	3,288.20
3	86.63	3	441.14	3	800.85	3	1,144.97	3	1,501.59	3	1,861.21	3	2,220.78	3	2,580.31	3	2,937.72	3	3,295.64
1/4	94.03	1/4	448.63	1/4	808.10	1/4	1,152.37	1/4	1,509.09	1/4	1,868.70	1/4	2,228.27	1/4	2,587.80	1/4	2,945.18	1/4	3,303.09
1/2	101.43	1/2	456.13	1/2	815.34	1/2	1,159.78	1/2	1,516.58	1/2	1,876.19	1/2	2,235.76	1/2	2,595.28	1/2	2,952.65	1/2	3,310.55
3/4	108.83	3/4	463.62	3/4	822.59	3/4	1,167.18	3/4	1,524.07	3/4	1,883.69	3/4	2,243.25	3/4	2,602.77	3/4	2,960.12	3/4	3,318.00
4	116.23	4	471.12	4	829.84	4	1,174.59	4	1,531.56	4	1,891.18	4	2,250.74	4	2,610.26	4	2,967.59	4	3,325.46
1/4	123.71	1/4	478.61	1/4	837.02	1/4	1,182.00	1/4	1,539.05	1/4	1,898.67	1/4	2,258.23	1/4	2,617.66	1/4	2,975.06	1/4	3,332.92
1/2	131.20	1/2	486.10	1/2	844.21	1/2	1,189.41	1/2	1,546.55	1/2	1,906.16	1/2	2,265.72	1/2	2,625.05	1/2	2,982.53	1/2	3,340.37
3/4	138.68	3/4	493.60	3/4	851.39	3/4	1,196.83	3/4	1,554.04	3/4	1,913.65	3/4	2,273.21	3/4	2,632.45	3/4	2,990.00	3/4	3,347.83
5	146.17	5	501.09	5	858.58	5	1,204.24	5	1,561.53	5	1,921.15	5	2,280.70	5	2,639.84	5	2,997.46	5	3,355.29
1/4	153.65	1/4	508.59	1/4	865.76	1/4	1,211.66	1/4	1,569.02	1/4	1,928.64	1/4	2,288.19	1/4	2,647.23	1/4	3,004.93	1/4	3,362.75
1/2	161.13	1/2	516.08	1/2	872.94	1/2	1,219.07	1/2	1,576.51	1/2	1,936.13	1/2	2,295.68	1/2	2,654.61	1/2	3,012.40	1/2	3,370.20
3/4	168.61	3/4	523.57	3/4	880.13	3/4	1,226.48	3/4	1,584.01	3/4	1,943.62	3/4	2,303.17	3/4	2,661.99	3/4	3,019.87	3/4	3,377.66
6	176.09	6	531.07	6	887.31	6	1,233.90	6	1,591.50	6	1,951.11	6	2,310.66	6	2,669.37	6	3,027.34	6	3,385.12
1/4	183.45	1/4	538.56	1/4	894.47	1/4	1,241.33	1/4	1,598.99	1/4	1,958.61	1/4	2,318.15	1/4	2,676.76	1/4	3,034.81	1/4	3,392.58
1/2	190.81	1/2	546.06	1/2	901.63	1/2	1,248.75	1/2	1,606.48	1/2	1,966.10	1/2	2,325.64	1/2	2,684.14	1/2	3,042.27	1/2	3,400.03
3/4	198.18	3/4	553.55	3/4	908.79	3/4	1,256.18	3/4	1,613.97	3/4	1,973.59	3/4	2,333.13	3/4	2,691.52	3/4	3,049.74	3/4	3,407.49
7	205.54	7	561.04	7	915.96	7	1,263.61	7	1,621.47	7	1,981.08	7	2,340.62	7	2,698.90	7	3,057.21	7	3,414.95
1/4	212.89	1/4	568.54	1/4	923.11	1/4	1,271.04	1/4	1,628.96	1/4	1,988.57	1/4	2,348.11	1/4	2,706.28	1/4	3,064.69	1/4	3,422.41
1/2	220.23	1/2	576.03	1/2	930.27	1/2	1,278.47	1/2	1,636.45	1/2	1,996.07	1/2	2,355.60	1/2	2,713.67	1/2	3,072.16	1/2	3,429.86
3/4	227.58	3/4	583.53	3/4	937.43	3/4	1,285.90	3/4	1,643.94	3/4	2,003.56	3/4	2,363.09	3/4	2,721.05	3/4	3,079.64	3/4	3,437.32
8	234.93	8	591.02	8	944.58	8	1,293.33	8	1,651.43	8	2,011.05	8	2,370.58	8	2,728.43	8	3,087.11	8	3,444.78
1/4	242.27	1/4	598.51	1/4	951.74	1/4	1,300.76	1/4	1,658.93	1/4	2,018.54	1/4	2,378.07	1/4	2,735.91	1/4	3,094.59	1/4	3,452.24
1/2	249.62	1/2	606.01	1/2	958.90	1/2	1,308.19	1/2	1,666.42	1/2	2,026.03	1/2	2,385.56	1/2	2,743.39	1/2	3,102.06	1/2	3,459.69
3/4	256.96	3/4	613.50	3/4	966.05	3/4	1,315.62	3/4	1,673.91	3/4	2,033.52	3/4	2,393.05	3/4	2,750.86	3/4	3,109.54	3/4	3,467.15
9	264.31	9	621.00	9	973.21	9	1,323.05	9	1,681.40	9	2,041.01	9	2,400.54	9	2,758.34	9	3,117.02	9	3,474.61
1/4	271.66	1/4	628.49	1/4	980.37	1/4	1,330.48	1/4	1,688.89	1/4	2,048.50	1/4	2,408.03	1/4	2,765.82	1/4	3,124.46	1/4	3,479.06
1/2	279.00	1/2	635.98	1/2	987.52	1/2	1,337.91	1/2	1,696.39	1/2	2,055.99	1/2	2,415.52	1/2	2,773.30	1/2	3,131.91	1/2	3,483.52
3/4	286.35	3/4	643.48	3/4	994.68	3/4	1,345.34	3/4	1,703.88	3/4	2,063.48	3/4	2,423.01	3/4	2,780.77	3/4	3,139.35	3/4	3,487.97
10	293.70	10	650.97	10	1,001.84	10	1,352.77	10	1,711.37	10	2,070.97	10	2,430.50	10	2,788.25	10	3,146.80	10	3,492.43
1/4	301.04	1/4	658.47	1/4	1,008.99	1/4	1,360.20	1/4	1,718.86	1/4	2,078.46	1/4	2,437.99	1/4	2,795.73	1/4	3,154.24	1/4	3,496.46
1/2	308.39	1/2	665.96	1/2	1,016.15	1/2	1,367.63	1/2	1,726.35	1/2	2,085.95	1/2	2,445.48	1/2	2,803.20	1/2	3,161.68	1/2	3,500.48
3/4	315.74	3/4	673.45	3/4	1,023.31	3/4	1,375.06	3/4	1,733.85	3/4	2,093.44	3/4	2,452.97	3/4	2,810.68	3/4	3,169.13	3/4	3,504.51
11	323.08	11	680.95	11	1,030.46	11	1,382.49	11	1,741.34	11	2,100.93	11	2,460.46	11	2,818.16	11	3,176.57	11	3,508.54
1/4	330.43	1/4	688.44	1/4	1,037.62	1/4	1,389.92	1/4	1,748.83	1/4	2,108.42	1/4	2,467.95	1/4	2,825.63	1/4	3,184.01	1/4	3,512.56
1/2	337.77	1/2	695.94	1/2	1,044.78	1/2	1,397.35	1/2	1,756.32	1/2	2,115.91	1/2	2,475.44	1/2	2,833.11	1/2	3,191.45	1/2	3,516.59
3/4	345.12	3/4	703.43	3/4	1,051.93	3/4	1,404.78	3/4	1,763.81	3/4	2,123.40	3/4	2,482.93	3/4	2,840.58	3/4	3,198.89	3/4	3,520.61

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD

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



BARGE "EMS 520"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,524.64	0	3,717.91	0	3,910.50	0	4,089.75	0	4,251.52	0		0		0		0		0	
1/4	3,528.67	1/4	3,721.94	1/4	3,914.41	1/4	4,093.28	1/4	4,255.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,532.69	1/2	3,725.97	1/2	3,918.32	1/2	4,096.81	1/2	4,259.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,536.72	3/4	3,729.99	3/4	3,922.22	3/4	4,100.34	3/4	4,263.28	3/4		3/4		3/4		3/4		3/4	
1	3,540.75	1	3,734.02	1	3,926.13	1	4,103.86	1	4,267.20	1		1		1		1		1	
1/4	3,544.77	1/4	3,738.05	1/4	3,930.01	1/4	4,107.35	1/4	4,271.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,548.80	1/2	3,742.07	1/2	3,933.88	1/2	4,110.83	1/2	4,275.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,552.83	3/4	3,746.10	3/4	3,937.76	3/4	4,114.31	3/4	4,279.12	3/4		3/4		3/4		3/4		3/4	
2	3,556.85	2	3,750.13	2	3,941.64	2	4,117.80	2	4,283.10	2		2		2		2		2	
1/4	3,560.88	1/4	3,754.15	1/4	3,945.48	1/4	4,121.25	1/4	4,287.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,564.91	1/2	3,758.18	1/2	3,949.33	1/2	4,124.70	1/2	4,291.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,568.93	3/4	3,762.20	3/4	3,953.18	3/4	4,128.15	3/4	4,295.02	3/4		3/4		3/4		3/4		3/4	
3	3,572.96	3	3,766.23	3	3,957.03	3	4,131.60	3	4,298.99	3		3		3		3		3	
1/4	3,576.99	1/4	3,770.26	1/4	3,960.84	1/4	4,135.02	1/4	4,302.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,581.01	1/2	3,774.28	1/2	3,964.65	1/2	4,138.44	1/2	4,306.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,585.04	3/4	3,778.31	3/4	3,968.47	3/4	4,141.86	3/4	4,310.91	3/4		3/4		3/4		3/4		3/4	
4	3,589.07	4	3,782.34	4	3,972.28	4	4,145.28	4	4,314.88	4		4		4		4		4	
1/4	3,593.09	1/4	3,786.36	1/4	3,976.06	1/4	4,148.67	1/4	4,318.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,597.12	1/2	3,790.39	1/2	3,979.84	1/2	4,152.06	1/2	4,322.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,601.14	3/4	3,794.42	3/4	3,983.62	3/4	4,155.44	3/4	4,326.81	3/4		3/4		3/4		3/4		3/4	
5	3,605.17	5	3,798.44	5	3,987.40	5	4,158.83	5	4,330.78	5		5		5		5		5	
1/4	3,609.20	1/4	3,802.47	1/4	3,991.15	1/4	4,162.19	1/4	4,334.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,613.22	1/2	3,806.50	1/2	3,994.90	1/2	4,165.54	1/2	4,338.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,617.25	3/4	3,810.52	3/4	3,998.65	3/4	4,168.89	3/4	4,342.29	3/4		3/4		3/4		3/4		3/4	
6	3,621.28	6	3,814.55	6	4,002.40	6	4,172.25	6	4,346.13	6		6		6		6		6	
1/4	3,625.30	1/4	3,818.58	1/4	4,006.12	1/4	4,175.57	1/4	4,348.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,629.33	1/2	3,822.60	1/2	4,009.84	1/2	4,178.89	1/2	4,351.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,633.36	3/4	3,826.63	3/4	4,013.56	3/4	4,182.22	3/4	4,354.71	3/4		3/4		3/4		3/4		3/4	
7	3,637.38	7	3,830.66	7	4,017.28	7	4,185.54	7	4,357.57	7		7		7		7		7	
1/4	3,641.41	1/4	3,834.68	1/4	4,020.97	1/4	4,188.83	1/4	4,359.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,645.44	1/2	3,838.71	1/2	4,024.65	1/2	4,192.13	1/2	4,360.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,649.46	3/4	3,842.73	3/4	4,028.34	3/4	4,195.42	3/4	4,362.50	3/4		3/4		3/4		3/4		3/4	
8	3,653.49	8	3,846.76	8	4,032.03	8	4,198.71	8	4,364.14	8		8		8		8		8	
1/4	3,657.52	1/4	3,850.78	1/4	4,035.68	1/4	4,201.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,661.54	1/2	3,854.81	1/2	4,039.33	1/2	4,205.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,665.57	3/4	3,858.83	3/4	4,042.99	3/4	4,208.50	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,669.60	9	3,862.86	9	4,046.64	9	4,211.77	9		9		9		9		9		9	
1/4	3,673.62	1/4	3,866.86	1/4	4,050.26	1/4	4,215.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,677.65	1/2	3,870.86	1/2	4,053.88	1/2	4,218.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,681.67	3/4	3,874.86	3/4	4,057.51	3/4	4,221.46	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,685.70	10	3,878.87	10	4,061.13	10	4,224.69	10		10		10		10		10		10	
1/4	3,689.73	1/4	3,882.84	1/4	4,064.72	1/4	4,227.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,693.75	1/2	3,886.81	1/2	4,068.31	1/2	4,231.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,697.78	3/4	3,890.78	3/4	4,071.91	3/4	4,234.28	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,701.81	11	3,894.75	11	4,075.50	11	4,237.47	11		11		11		11		11		11	
1/4	3,705.83	1/4	3,898.69	1/4	4,079.06	1/4	4,240.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,709.86	1/2	3,902.63	1/2	4,082.62	1/2	4,244.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,713.89	3/4	3,906.56	3/4	4,086.19	3/4	4,248.01	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2020 CL
CALCULATED: 07/28/2020 CL
PRINTED: 07/28/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2020

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



BARGE "EMS 520"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
1 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
3 PORT	00-5/8	- 00-5/8	01-1/4	- 01-1/4	01-7/8	- 01-7/8	02-1/2	- 02-1/2	03-0/8	- 03-0/8	03-5/8	- 03-5/8
3 STBD	00-5/8	- 00-5/8	01-1/4	- 01-1/4	01-7/8	- 01-7/8	02-1/2	- 02-1/2	03-0/8	- 03-0/8	03-5/8	- 03-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 238'-00"

July 28, 2020

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

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BARGE "EMS 520"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	0	4,871.24	0	4,535.69	0	4,180.91	0	3,817.30	0	3,453.68	0	3,090.07	0	2,726.45	0	2,362.75
1/4	1/4	1/4	1/4	1/4	4,864.45	1/4	4,528.50	1/4	4,173.33	1/4	3,809.72	1/4	3,446.11	1/4	3,082.49	1/4	2,718.88	1/4	2,355.17
1/2	1/2	1/2	1/2	1/2	5,191.44	1/2	4,857.66	1/2	4,521.30	1/2	4,165.76	1/2	3,802.14	1/2	3,438.53	1/2	3,074.92	1/2	2,711.30
3/4	3/4	3/4	3/4	3/4	5,186.30	3/4	4,850.84	3/4	4,514.07	3/4	4,158.18	3/4	3,794.57	3/4	3,430.96	3/4	3,067.34	3/4	2,703.73
1	1	1	1	1	5,181.17	1	4,844.02	1	4,506.83	1	4,150.61	1	3,786.99	1	3,423.38	1	3,059.77	1	2,696.15
1/4	1/4	1/4	1/4	1/4	5,176.04	1/4	4,837.20	1/4	4,499.60	1/4	4,143.03	1/4	3,779.42	1/4	3,415.80	1/4	3,052.19	1/4	2,688.58
1/2	1/2	1/2	1/2	1/2	5,170.90	1/2	4,830.38	1/2	4,492.37	1/2	4,135.46	1/2	3,771.84	1/2	3,408.23	1/2	3,044.61	1/2	2,681.00
3/4	3/4	3/4	3/4	3/4	5,164.55	3/4	4,823.53	3/4	4,485.10	3/4	4,127.88	3/4	3,764.27	3/4	3,400.65	3/4	3,037.04	3/4	2,673.43
2	2	2	2	2	5,158.20	2	4,816.68	2	4,477.84	2	4,120.31	2	3,756.69	2	3,393.08	2	3,029.46	2	2,665.85
1/4	1/4	1/4	1/4	1/4	5,151.85	1/4	4,809.83	1/4	4,470.57	1/4	4,112.73	1/4	3,749.12	1/4	3,385.50	1/4	3,021.89	1/4	2,658.27
1/2	1/2	1/2	1/2	1/2	5,145.50	1/2	4,802.98	1/2	4,463.31	1/2	4,105.16	1/2	3,741.54	1/2	3,377.93	1/2	3,014.31	1/2	2,650.70
3/4	3/4	3/4	3/4	3/4	5,138.16	3/4	4,796.10	3/4	4,456.01	3/4	4,097.58	3/4	3,733.97	3/4	3,370.35	3/4	3,006.74	3/4	2,643.12
3	3	3	3	3	5,130.82	3	4,789.22	3	4,448.72	3	4,090.01	3	3,726.39	3	3,362.78	3	2,999.16	3	2,635.55
1/4	1/4	1/4	1/4	1/4	5,123.48	1/4	4,782.34	1/4	4,441.42	1/4	4,082.43	1/4	3,718.82	1/4	3,355.20	1/4	2,991.59	1/4	2,627.97
1/2	1/2	1/2	1/2	1/2	5,116.14	1/2	4,775.45	1/2	4,434.12	1/2	4,074.86	1/2	3,711.24	1/2	3,347.63	1/2	2,984.01	1/2	2,620.40
3/4	3/4	3/4	3/4	3/4	5,108.66	3/4	4,768.54	3/4	4,426.80	3/4	4,067.28	3/4	3,703.67	3/4	3,340.05	3/4	2,976.44	3/4	2,612.82
4	4	4	4	4	5,101.19	4	4,761.62	4	4,419.47	4	4,059.71	4	3,696.09	4	3,332.48	4	2,968.86	4	2,605.25
1/4	1/4	1/4	1/4	1/4	5,093.71	1/4	4,754.71	1/4	4,412.15	1/4	4,052.13	1/4	3,688.52	1/4	3,324.90	1/4	2,961.29	1/4	2,597.67
1/2	1/2	1/2	1/2	1/2	5,086.23	1/2	4,747.79	1/2	4,404.82	1/2	4,044.55	1/2	3,680.94	1/2	3,317.33	1/2	2,953.71	1/2	2,590.10
3/4	3/4	3/4	3/4	3/4	5,078.75	3/4	4,740.84	3/4	4,397.46	3/4	4,036.98	3/4	3,673.36	3/4	3,309.75	3/4	2,946.14	3/4	2,582.52
5	5	5	5	5	5,071.28	5	4,733.89	5	4,390.10	5	4,029.40	5	3,665.79	5	3,302.18	5	2,938.56	5	2,574.94
1/4	1/4	1/4	1/4	1/4	5,063.80	1/4	4,726.95	1/4	4,382.74	1/4	4,021.83	1/4	3,658.21	1/4	3,294.60	1/4	2,930.99	1/4	2,567.36
1/2	1/2	1/2	1/2	1/2	5,056.32	1/2	4,720.00	1/2	4,375.38	1/2	4,014.25	1/2	3,650.64	1/2	3,287.02	1/2	2,923.41	1/2	2,559.78
3/4	3/4	3/4	3/4	3/4	5,048.85	3/4	4,713.02	3/4	4,367.98	3/4	4,006.68	3/4	3,643.06	3/4	3,279.45	3/4	2,915.83	3/4	2,552.20
6	6	6	6	6	5,041.37	6	4,706.04	6	4,360.59	6	3,999.10	6	3,635.49	6	3,271.87	6	2,908.26	6	2,544.63
1/4	1/4	1/4	1/4	1/4	5,033.89	1/4	4,699.06	1/4	4,353.19	1/4	3,991.53	1/4	3,627.91	1/4	3,264.30	1/4	2,900.68	1/4	2,537.05
1/2	1/2	1/2	1/2	1/2	5,026.42	1/2	4,692.08	1/2	4,345.80	1/2	3,983.95	1/2	3,620.34	1/2	3,256.72	1/2	2,893.11	1/2	2,529.47
3/4	3/4	3/4	3/4	3/4	5,018.94	3/4	4,685.07	3/4	4,338.38	3/4	3,976.38	3/4	3,612.76	3/4	3,249.15	3/4	2,885.53	3/4	2,521.89
7	7	7	7	7	5,011.46	7	4,678.05	7	4,330.95	7	3,968.80	7	3,605.19	7	3,241.57	7	2,877.96	7	2,514.31
1/4	1/4	1/4	1/4	1/4	5,003.99	1/4	4,671.04	1/4	4,323.53	1/4	3,961.23	1/4	3,597.61	1/4	3,234.00	1/4	2,870.38	1/4	2,506.74
1/2	1/2	1/2	1/2	1/2	4,996.51	1/2	4,664.03	1/2	4,316.10	1/2	3,953.65	1/2	3,590.04	1/2	3,226.42	1/2	2,862.81	1/2	2,499.16
3/4	3/4	3/4	3/4	3/4	4,989.08	3/4	4,656.95	3/4	4,308.65	3/4	3,946.08	3/4	3,582.46	3/4	3,218.85	3/4	2,855.23	3/4	2,491.58
8	8	8	8	8	4,981.66	8	4,649.88	8	4,301.19	8	3,938.50	8	3,574.89	8	3,211.27	8	2,847.66	8	2,484.00
1/4	1/4	1/4	1/4	1/4	4,974.24	1/4	4,642.81	1/4	4,293.74	1/4	3,930.93	1/4	3,567.31	1/4	3,203.70	1/4	2,840.08	1/4	2,476.42
1/2	1/2	1/2	1/2	1/2	4,966.81	1/2	4,635.73	1/2	4,286.28	1/2	3,923.35	1/2	3,559.74	1/2	3,196.12	1/2	2,832.51	1/2	2,468.84
3/4	3/4	3/4	3/4	3/4	4,959.80	3/4	4,628.63	3/4	4,278.80	3/4	3,915.77	3/4	3,552.16	3/4	3,188.55	3/4	2,824.93	3/4	2,461.27
9	9	9	9	9	4,952.79	9	4,621.52	9	4,271.31	9	3,908.20	9	3,544.58	9	3,180.97	9	2,817.36	9	2,453.69
1/4	1/4	1/4	1/4	1/4	4,945.77	1/4	4,614.41	1/4	4,263.83	1/4	3,900.62	1/4	3,537.01	1/4	3,173.40	1/4	2,809.78	1/4	2,446.11
1/2	1/2	1/2	1/2	1/2	4,938.76	1/2	4,607.31	1/2	4,256.34	1/2	3,893.05	1/2	3,529.43	1/2	3,165.82	1/2	2,802.21	1/2	2,438.53
3/4	3/4	3/4	3/4	3/4	4,932.03	3/4	4,600.17	3/4	4,248.82	3/4	3,885.47	3/4	3,521.86	3/4	3,158.24	3/4	2,794.63	3/4	2,430.95
10	10	10	10	10	4,925.31	10	4,593.03	10	4,241.30	10	3,877.90	10	3,514.28	10	3,150.67	10	2,787.05	10	2,423.38
1/4	1/4	1/4	1/4	1/4	4,918.58	1/4	4,585.90	1/4	4,233.79	1/4	3,870.32	1/4	3,506.71	1/4	3,143.09	1/4	2,779.48	1/4	2,415.80
1/2	1/2	1/2	1/2	1/2	4,911.86	1/2	4,578.76	1/2	4,226.27	1/2	3,862.75	1/2	3,499.13	1/2	3,135.52	1/2	2,771.90	1/2	2,408.22
3/4	3/4	3/4	3/4	3/4	4,905.10	3/4	4,571.59	3/4	4,218.71	3/4	3,855.17	3/4	3,491.56	3/4	3,127.94	3/4	2,764.33	3/4	2,400.64
11	11	11	11	11	4,898.34	11	4,564.42	11	4,211.16	11	3,848.60	11	3,483.98	11	3,120.37	11	2,756.75	11	2,393.06
1/4	1/4	1/4	1/4	1/4	4,891.58	1/4	4,557.26	1/4	4,203.61	1/4	3,840.02	1/4	3,476.41	1/4	3,112.79	1/4	2,749.18	1/4	2,385.49
1/2	1/2	1/2	1/2	1/2	4,884.82	1/2	4,550.09	1/2	4,196.06	1/2	3,832.45	1/2	3,468.83	1/2	3,105.22	1/2	2,741.60	1/2	2,377.91
3/4	3/4	3/4	3/4	3/4	4,878.03	3/4	4,542.89	3/4	4,188.48	3/4	3,824.87	3/4	3,461.26	3/4	3,097.64	3/4	2,734.03	3/4	2,370.33

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD

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



BARGE "EMS 520"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	1,999.00	0	1,635.25	0	1,271.51	0	908.18	0	544.51	0	205.04	0		0		0		0	
1/4	1,991.42	1/4	1,627.68	1/4	1,263.93	1/4	900.61	1/4	536.93	1/4	198.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,983.85	1/2	1,620.10	1/2	1,256.35	1/2	893.05	1/2	529.35	1/2	192.17	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,976.27	3/4	1,612.52	3/4	1,248.77	3/4	885.48	3/4	521.78	3/4	185.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,968.69	1	1,604.94	1	1,241.19	1	877.91	1	514.21	1	179.49	1	1	1	1	1	1	1	1
1/4	1,961.11	1/4	1,597.36	1/4	1,233.61	1/4	870.34	1/4	506.63	1/4	173.14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,953.53	1/2	1,589.79	1/2	1,226.04	1/2	862.77	1/2	499.06	1/2	166.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,945.96	3/4	1,582.21	3/4	1,218.46	3/4	855.20	3/4	491.53	3/4	160.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,938.38	2	1,574.63	2	1,210.88	2	847.62	2	484.01	2	154.27	2	2	2	2	2	2	2	2
1/4	1,930.80	1/4	1,567.05	1/4	1,203.30	1/4	840.04	1/4	476.48	1/4	148.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,923.22	1/2	1,559.47	1/2	1,195.72	1/2	832.46	1/2	468.96	1/2	141.74	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,915.64	3/4	1,551.89	3/4	1,188.15	3/4	824.89	3/4	461.52	3/4	135.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,908.07	3	1,544.32	3	1,180.57	3	817.31	3	454.09	3	129.17	3	3	3	3	3	3	3	3
1/4	1,900.49	1/4	1,536.74	1/4	1,173.00	1/4	809.73	1/4	446.65	1/4	122.89	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,892.91	1/2	1,529.16	1/2	1,165.42	1/2	802.15	1/2	439.21	1/2	116.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,885.33	3/4	1,521.58	3/4	1,157.85	3/4	794.57	3/4	431.87	3/4	110.41	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,877.75	4	1,514.00	4	1,150.29	4	787.00	4	424.53	4	104.22	4	4	4	4	4	4	4	4
1/4	1,870.18	1/4	1,506.43	1/4	1,142.72	1/4	779.42	1/4	417.19	1/4	98.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,862.60	1/2	1,498.85	1/2	1,135.16	1/2	771.84	1/2	409.85	1/2	91.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,855.02	3/4	1,491.27	3/4	1,127.59	3/4	764.26	3/4	402.60	3/4	85.82	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,847.44	5	1,483.69	5	1,120.02	5	756.68	5	395.36	5	79.80	5	5	5	5	5	5	5	5
1/4	1,839.86	1/4	1,476.11	1/4	1,112.46	1/4	749.11	1/4	388.11	1/4	73.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,832.28	1/2	1,468.54	1/2	1,104.89	1/2	741.53	1/2	380.86	1/2	67.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,824.71	3/4	1,460.96	3/4	1,097.33	3/4	733.95	3/4	373.73	3/4	62.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,817.13	6	1,453.38	6	1,089.76	6	726.37	6	366.59	6	57.33	6	6	6	6	6	6	6	6
1/4	1,809.55	1/4	1,445.80	1/4	1,082.19	1/4	718.80	1/4	359.46	1/4	52.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,801.97	1/2	1,438.22	1/2	1,074.63	1/2	711.22	1/2	352.33	1/2	46.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,794.39	3/4	1,430.65	3/4	1,067.06	3/4	703.64	3/4	345.42	3/4	43.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,786.82	7	1,423.07	7	1,059.50	7	696.06	7	338.51	7	39.20	7	7	7	7	7	7	7	7
1/4	1,779.24	1/4	1,415.49	1/4	1,051.93	1/4	688.48	1/4	331.60	1/4	35.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,771.66	1/2	1,407.91	1/2	1,044.36	1/2	680.91	1/2	324.69	1/2	31.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,764.08	3/4	1,400.33	3/4	1,036.80	3/4	673.33	3/4	317.87	3/4	28.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,756.50	8	1,392.75	8	1,029.23	8	665.75	8	311.06	8	26.09	8	8	8	8	8	8	8	8
1/4	1,748.93	1/4	1,385.18	1/4	1,021.67	1/4	658.17	1/4	304.24	1/4	23.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,741.35	1/2	1,377.60	1/2	1,014.10	1/2	650.60	1/2	297.43	1/2	20.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,733.77	3/4	1,370.02	3/4	1,006.54	3/4	643.02	3/4	290.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,726.19	9	1,362.44	9	998.97	9	635.44	9	283.99	9		9	9	9	9	9	9	9	9
1/4	1,718.61	1/4	1,354.86	1/4	991.40	1/4	627.86	1/4	277.27	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,711.03	1/2	1,347.29	1/2	983.84	1/2	620.28	1/2	270.55	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,703.46	3/4	1,339.71	3/4	976.27	3/4	612.71	3/4	263.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,695.88	10	1,332.13	10	968.71	10	605.13	10	257.29	10		10	10	10	10	10	10	10	10
1/4	1,688.30	1/4	1,324.55	1/4	961.14	1/4	597.55	1/4	250.67	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,680.72	1/2	1,316.97	1/2	953.57	1/2	589.97	1/2	244.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,673.14	3/4	1,309.40	3/4	946.01	3/4	582.40	3/4	237.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,665.57	11	1,301.82	11	938.44	11	574.82	11	230.98	11		11	11	11	11	11	11	11	11
1/4	1,657.99	1/4	1,294.24	1/4	930.88	1/4	567.24	1/4	224.45	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,650.41	1/2	1,286.66	1/2	923.31	1/2	559.66	1/2	217.92	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,642.83	3/4	1,279.08	3/4	915.74	3/4	552.08	3/4	211.48	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2020 CL
CALCULATED: 07/28/2020 CL
PRINTED: 07/28/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2020

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



BARGE "EMS 520"

**1 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	4,862.63	0	4,527.50	0	4,173.21	0	3,810.10	0	3,446.97	0	3,083.85	0	2,720.73	0	2,357.74
1/4	1/4	1/4	1/4	1/4	4,855.85	1/4	4,520.32	1/4	4,165.65	1/4	3,802.53	1/4	3,439.41	1/4	3,076.28	1/4	2,713.16	1/4	2,350.17
1/2	1/2	1/2	5,182.40	1/2	4,849.06	1/2	4,513.13	1/2	4,158.09	1/2	3,794.97	1/2	3,431.84	1/2	3,068.72	1/2	2,705.60	1/2	2,342.60
3/4	3/4	3/4	5,177.28	3/4	4,842.25	3/4	4,505.90	3/4	4,150.53	3/4	3,787.40	3/4	3,424.28	3/4	3,061.15	3/4	2,698.05	3/4	2,335.03
1	1	1	5,172.15	1	4,835.44	1	4,498.68	1	4,142.96	1	3,779.84	1	3,416.71	1	3,053.59	1	2,690.49	1	2,327.46
1/4	1/4	1/4	5,167.02	1/4	4,828.63	1/4	4,491.46	1/4	4,135.40	1/4	3,772.27	1/4	3,409.15	1/4	3,046.02	1/4	2,682.94	1/4	2,319.90
1/2	1/2	1/2	5,161.90	1/2	4,821.82	1/2	4,484.24	1/2	4,127.83	1/2	3,764.71	1/2	3,401.58	1/2	3,038.46	1/2	2,675.39	1/2	2,312.33
3/4	3/4	3/4	5,155.55	3/4	4,814.98	3/4	4,476.98	3/4	4,120.27	3/4	3,757.14	3/4	3,394.02	3/4	3,030.89	3/4	2,667.84	3/4	2,304.76
2	2	2	5,149.21	2	4,808.13	2	4,469.72	2	4,112.70	2	3,749.58	2	3,386.45	2	3,023.33	2	2,660.28	2	2,297.19
1/4	1/4	1/4	5,142.87	1/4	4,801.29	1/4	4,462.47	1/4	4,105.14	1/4	3,742.01	1/4	3,378.89	1/4	3,015.76	1/4	2,652.73	1/4	2,289.62
1/2	1/2	1/2	5,136.52	1/2	4,794.45	1/2	4,455.21	1/2	4,097.57	1/2	3,734.45	1/2	3,371.32	1/2	3,008.20	1/2	2,645.18	1/2	2,282.06
3/4	3/4	3/4	5,129.19	3/4	4,787.58	3/4	4,447.93	3/4	4,090.01	3/4	3,726.88	3/4	3,363.76	3/4	3,000.63	3/4	2,637.62	3/4	2,274.49
3	3	3	5,121.86	3	4,780.70	3	4,440.64	3	4,082.44	3	3,719.32	3	3,356.19	3	2,993.07	3	2,630.07	3	2,266.92
1/4	1/4	1/4	5,114.53	1/4	4,773.83	1/4	4,433.35	1/4	4,074.88	1/4	3,711.75	1/4	3,348.63	1/4	2,985.50	1/4	2,622.52	1/4	2,259.35
1/2	1/2	1/2	5,107.20	1/2	4,766.96	1/2	4,426.07	1/2	4,067.31	1/2	3,704.19	1/2	3,341.06	1/2	2,977.94	1/2	2,614.97	1/2	2,251.78
3/4	3/4	3/4	5,099.73	3/4	4,760.05	3/4	4,418.75	3/4	4,059.75	3/4	3,696.62	3/4	3,333.50	3/4	2,970.37	3/4	2,607.41	3/4	2,244.22
4	4	4	5,092.27	4	4,753.14	4	4,411.44	4	4,052.18	4	3,689.06	4	3,325.93	4	2,962.81	4	2,599.86	4	2,236.65
1/4	1/4	1/4	5,084.80	1/4	4,746.24	1/4	4,404.12	1/4	4,044.62	1/4	3,681.49	1/4	3,318.37	1/4	2,955.24	1/4	2,592.30	1/4	2,229.08
1/2	1/2	1/2	5,077.33	1/2	4,739.33	1/2	4,396.80	1/2	4,037.05	1/2	3,673.93	1/2	3,310.80	1/2	2,947.68	1/2	2,584.75	1/2	2,221.51
3/4	3/4	3/4	5,069.87	3/4	4,732.39	3/4	4,389.45	3/4	4,029.48	3/4	3,666.36	3/4	3,303.24	3/4	2,940.11	3/4	2,577.19	3/4	2,213.94
5	5	5	5,062.40	5	4,725.45	5	4,382.10	5	4,021.92	5	3,658.80	5	3,295.67	5	2,932.55	5	2,569.62	5	2,206.38
1/4	1/4	1/4	5,054.93	1/4	4,718.51	1/4	4,374.75	1/4	4,014.35	1/4	3,651.23	1/4	3,288.11	1/4	2,924.98	1/4	2,562.06	1/4	2,198.81
1/2	1/2	1/2	5,047.47	1/2	4,711.57	1/2	4,367.40	1/2	4,006.79	1/2	3,643.66	1/2	3,280.54	1/2	2,917.42	1/2	2,554.50	1/2	2,191.24
3/4	3/4	3/4	5,040.00	3/4	4,704.60	3/4	4,360.01	3/4	3,999.22	3/4	3,636.10	3/4	3,272.97	3/4	2,909.85	3/4	2,546.93	3/4	2,183.67
6	6	6	5,032.53	6	4,697.63	6	4,352.63	6	3,991.66	6	3,628.53	6	3,265.41	6	2,902.29	6	2,539.36	6	2,176.11
1/4	1/4	1/4	5,025.07	1/4	4,690.66	1/4	4,345.25	1/4	3,984.09	1/4	3,620.97	1/4	3,257.84	1/4	2,894.72	1/4	2,531.80	1/4	2,168.54
1/2	1/2	1/2	5,017.60	1/2	4,683.69	1/2	4,337.86	1/2	3,976.53	1/2	3,613.40	1/2	3,250.28	1/2	2,887.15	1/2	2,524.23	1/2	2,160.97
3/4	3/4	3/4	5,010.13	3/4	4,676.68	3/4	4,330.45	3/4	3,968.96	3/4	3,605.84	3/4	3,242.71	3/4	2,879.59	3/4	2,516.66	3/4	2,153.40
7	7	7	5,002.67	7	4,669.68	7	4,323.03	7	3,961.40	7	3,598.27	7	3,235.15	7	2,872.02	7	2,509.09	7	2,145.83
1/4	1/4	1/4	4,995.20	1/4	4,662.67	1/4	4,315.62	1/4	3,953.83	1/4	3,590.71	1/4	3,227.58	1/4	2,864.46	1/4	2,501.53	1/4	2,138.27
1/2	1/2	1/2	4,987.73	1/2	4,655.67	1/2	4,308.20	1/2	3,946.27	1/2	3,583.14	1/2	3,220.02	1/2	2,856.89	1/2	2,493.96	1/2	2,130.70
3/4	3/4	3/4	4,980.32	3/4	4,648.61	3/4	4,300.76	3/4	3,938.70	3/4	3,575.58	3/4	3,212.45	3/4	2,849.33	3/4	2,486.39	3/4	2,123.13
8	8	8	4,972.91	8	4,641.54	8	4,293.32	8	3,931.14	8	3,568.01	8	3,204.89	8	2,841.76	8	2,478.82	8	2,115.56
1/4	1/4	1/4	4,965.49	1/4	4,634.48	1/4	4,285.87	1/4	3,923.57	1/4	3,560.45	1/4	3,197.32	1/4	2,834.20	1/4	2,471.25	1/4	2,107.99
1/2	1/2	1/2	4,958.08	1/2	4,627.41	1/2	4,278.43	1/2	3,916.01	1/2	3,552.88	1/2	3,189.76	1/2	2,826.63	1/2	2,463.69	1/2	2,100.43
3/4	3/4	3/4	4,951.07	3/4	4,620.32	3/4	4,270.95	3/4	3,908.44	3/4	3,545.32	3/4	3,182.19	3/4	2,819.07	3/4	2,456.12	3/4	2,092.86
9	9	9	4,944.07	9	4,613.22	9	4,263.48	9	3,900.88	9	3,537.75	9	3,174.63	9	2,811.50	9	2,448.55	9	2,085.29
1/4	1/4	1/4	4,937.06	1/4	4,606.12	1/4	4,256.00	1/4	3,893.31	1/4	3,530.19	1/4	3,167.06	1/4	2,803.94	1/4	2,440.98	1/4	2,077.72
1/2	1/2	1/2	4,930.06	1/2	4,599.02	1/2	4,248.53	1/2	3,885.75	1/2	3,522.62	1/2	3,159.50	1/2	2,796.37	1/2	2,433.41	1/2	2,070.15
3/4	3/4	3/4	4,923.34	3/4	4,591.90	3/4	4,241.02	3/4	3,878.18	3/4	3,515.06	3/4	3,151.93	3/4	2,788.81	3/4	2,425.85	3/4	2,062.59
10	10	10	4,916.63	10	4,584.77	10	4,233.51	10	3,870.62	10	3,507.49	10	3,144.37	10	2,781.24	10	2,418.28	10	2,055.02
1/4	1/4	1/4	4,909.91	1/4	4,577.64	1/4	4,226.00	1/4	3,863.05	1/4	3,499.93	1/4	3,136.80	1/4	2,773.68	1/4	2,410.71	1/4	2,047.45
1/2	1/2	1/2	4,903.19	1/2	4,570.51	1/2	4,218.49	1/2	3,855.49	1/2	3,492.36	1/2	3,129.24	1/2	2,766.11	1/2	2,403.14	1/2	2,039.88
3/4	3/4	3/4	4,896.44	3/4	4,563.36	3/4	4,210.95	3/4	3,847.92	3/4	3,484.80	3/4	3,121.67	3/4	2,758.55	3/4	2,395.57	3/4	2,032.32
11	11	11	4,889.69	11	4,556.20	11	4,203.41	11	3,840.36	11	3,477.23	11	3,114.11	11	2,750.98	11	2,388.01	11	2,024.75
1/4	1/4	1/4	4,882.94	1/4	4,549.04	1/4	4,195.86	1/4	3,832.79	1/4	3,469.67	1/4	3,106.54	1/4	2,743.42	1/4	2,380.44	1/4	2,017.18
1/2	1/2	1/2	4,876.19	1/2	4,541.88	1/2	4,188.32	1/2	3,825.23	1/2	3,462.10	1/2	3,098.98	1/2	2,735.85	1/2	2,372.87	1/2	2,009.61
3/4	3/4	3/4	4,869.41	3/4	4,534.69	3/4	4,180.77	3/4	3,817.66	3/4	3,454.54	3/4	3,091.41	3/4	2,728.29	3/4	2,365.30	3/4	2,002.04

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD

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





BARGE "EMS 520"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	1,994.48	0	1,631.22	0	1,267.96	0	906.65	0	543.85	0	204.82	0		0		0		0	
1/4	1,986.91	1/4	1,623.65	1/4	1,260.39	1/4	899.13	1/4	536.28	1/4	198.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,979.34	1/2	1,616.08	1/2	1,252.82	1/2	891.61	1/2	528.71	1/2	191.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,971.77	3/4	1,608.51	3/4	1,245.25	3/4	884.10	3/4	521.15	3/4	185.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,964.20	1	1,600.95	1	1,237.69	1	876.58	1	513.59	1	179.29	1	1	1	1	1	1	1	1
1/4	1,956.64	1/4	1,593.38	1/4	1,230.12	1/4	869.06	1/4	506.02	1/4	172.96	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,949.07	1/2	1,585.81	1/2	1,222.55	1/2	861.54	1/2	498.46	1/2	166.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,941.50	3/4	1,578.24	3/4	1,214.99	3/4	854.01	3/4	490.95	3/4	160.36	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,933.93	2	1,570.67	2	1,207.42	2	846.48	2	483.43	2	154.11	2	2	2	2	2	2	2	2
1/4	1,926.36	1/4	1,563.11	1/4	1,199.86	1/4	838.94	1/4	475.92	1/4	147.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,918.80	1/2	1,555.54	1/2	1,192.30	1/2	831.41	1/2	468.40	1/2	141.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,911.23	3/4	1,547.97	3/4	1,184.77	3/4	823.84	3/4	460.97	3/4	135.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,903.66	3	1,540.40	3	1,177.24	3	816.28	3	453.55	3	129.03	3	3	3	3	3	3	3	3
1/4	1,896.09	1/4	1,532.83	1/4	1,169.72	1/4	808.71	1/4	446.12	1/4	122.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,888.53	1/2	1,525.27	1/2	1,162.19	1/2	801.14	1/2	438.70	1/2	116.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,880.96	3/4	1,517.70	3/4	1,154.67	3/4	793.57	3/4	431.36	3/4	110.29	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,873.39	4	1,510.13	4	1,147.16	4	786.01	4	424.03	4	104.11	4	4	4	4	4	4	4	4
1/4	1,865.82	1/4	1,502.56	1/4	1,139.64	1/4	778.44	1/4	416.70	1/4	97.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,858.25	1/2	1,494.99	1/2	1,132.13	1/2	770.87	1/2	409.37	1/2	91.74	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,850.69	3/4	1,487.43	3/4	1,124.61	3/4	763.30	3/4	402.13	3/4	85.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,843.12	5	1,479.86	5	1,117.09	5	755.74	5	394.90	5	79.71	5	5	5	5	5	5	5	5
1/4	1,835.55	1/4	1,472.29	1/4	1,109.58	1/4	748.17	1/4	387.66	1/4	73.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,827.98	1/2	1,464.72	1/2	1,102.06	1/2	740.60	1/2	380.42	1/2	67.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,820.41	3/4	1,457.15	3/4	1,094.55	3/4	733.03	3/4	373.30	3/4	62.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,812.85	6	1,449.59	6	1,087.03	6	725.47	6	366.17	6	57.28	6	6	6	6	6	6	6	6
1/4	1,805.28	1/4	1,442.02	1/4	1,079.51	1/4	717.90	1/4	359.05	1/4	52.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,797.71	1/2	1,434.45	1/2	1,072.00	1/2	710.33	1/2	351.92	1/2	46.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,790.14	3/4	1,426.88	3/4	1,064.48	3/4	702.76	3/4	345.02	3/4	43.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,782.57	7	1,419.32	7	1,056.97	7	695.20	7	338.12	7	39.16	7	7	7	7	7	7	7	7
1/4	1,775.01	1/4	1,411.75	1/4	1,049.45	1/4	687.63	1/4	331.22	1/4	35.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,767.44	1/2	1,404.18	1/2	1,041.93	1/2	680.06	1/2	324.32	1/2	31.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,759.87	3/4	1,396.61	3/4	1,034.42	3/4	672.49	3/4	317.51	3/4	28.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,752.30	8	1,389.04	8	1,026.90	8	664.93	8	310.71	8	26.06	8	8	8	8	8	8	8	8
1/4	1,744.74	1/4	1,381.48	1/4	1,019.39	1/4	657.36	1/4	303.90	1/4	23.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,737.17	1/2	1,373.91	1/2	1,011.87	1/2	649.79	1/2	297.09	1/2	20.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,729.60	3/4	1,366.34	3/4	1,004.35	3/4	642.22	3/4	290.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,722.03	9	1,358.77	9	996.84	9	634.66	9	283.67	9		9	9	9	9	9	9	9	9
1/4	1,714.46	1/4	1,351.20	1/4	989.32	1/4	627.09	1/4	276.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,706.90	1/2	1,343.64	1/2	981.81	1/2	619.52	1/2	270.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,699.33	3/4	1,336.07	3/4	974.29	3/4	611.95	3/4	263.63	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,691.76	10	1,328.50	10	966.77	10	604.39	10	257.01	10		10	10	10	10	10	10	10	10
1/4	1,684.19	1/4	1,320.93	1/4	959.26	1/4	596.82	1/4	250.39	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,676.62	1/2	1,313.36	1/2	951.74	1/2	589.25	1/2	243.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,669.06	3/4	1,305.80	3/4	944.23	3/4	581.68	3/4	237.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,661.49	11	1,298.23	11	936.71	11	574.12	11	230.73	11		11	11	11	11	11	11	11	11
1/4	1,653.92	1/4	1,290.66	1/4	929.19	1/4	566.55	1/4	224.20	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,646.35	1/2	1,283.09	1/2	921.68	1/2	558.98	1/2	217.68	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,638.78	3/4	1,275.53	3/4	914.16	3/4	551.41	3/4	211.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2020 CL
CALCULATED: 07/28/2020 CL
PRINTED: 07/28/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2020

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



BARGE "EMS 520"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	0	4,917.22	0	4,583.18	0	4,230.00	0	3,868.04	0	3,506.06	0	3,144.08	0	2,782.10	0	2,420.05
1/4	1/4	1/4	1/4	1/4	4,910.46	1/4	4,576.01	1/4	4,222.47	1/4	3,860.50	1/4	3,498.52	1/4	3,136.54	1/4	2,774.56	1/4	2,412.50
1/2	1/2	1/2	1/2	1/2	5,235.96	1/2	4,903.70	1/2	4,568.85	1/2	4,214.93	1/2	3,852.96	1/2	3,490.98	1/2	3,129.00	1/2	2,767.02
3/4	3/4	3/4	3/4	3/4	5,230.85	3/4	4,896.91	3/4	4,561.65	3/4	4,207.39	3/4	3,845.41	3/4	3,483.44	3/4	3,121.46	3/4	2,759.48
1	1	1	1	1	5,225.74	1	4,890.12	1	4,554.45	1	4,199.85	1	3,837.87	1	3,475.90	1	3,113.92	1	2,751.94
1/4	1/4	1/4	1/4	1/4	5,220.63	1/4	4,883.33	1/4	4,547.25	1/4	4,192.31	1/4	3,830.33	1/4	3,468.35	1/4	3,106.38	1/4	2,744.40
1/2	1/2	1/2	1/2	1/2	5,215.52	1/2	4,876.54	1/2	4,540.05	1/2	4,184.77	1/2	3,822.79	1/2	3,460.81	1/2	3,098.84	1/2	2,736.86
3/4	3/4	3/4	3/4	3/4	5,209.20	3/4	4,869.72	3/4	4,532.81	3/4	4,177.23	3/4	3,815.25	3/4	3,453.27	3/4	3,091.29	3/4	2,729.32
2	2	2	2	2	5,202.88	2	4,862.90	2	4,525.58	2	4,169.69	2	3,807.71	2	3,445.73	2	3,083.75	2	2,721.78
1/4	1/4	1/4	1/4	1/4	5,196.55	1/4	4,856.08	1/4	4,518.35	1/4	4,162.14	1/4	3,800.17	1/4	3,438.19	1/4	3,076.21	1/4	2,714.23
1/2	1/2	1/2	1/2	1/2	5,190.23	1/2	4,849.26	1/2	4,511.12	1/2	4,154.60	1/2	3,792.63	1/2	3,430.65	1/2	3,068.67	1/2	2,706.69
3/4	3/4	3/4	3/4	3/4	5,182.92	3/4	4,842.41	3/4	4,503.85	3/4	4,147.06	3/4	3,785.08	3/4	3,423.11	3/4	3,061.13	3/4	2,699.15
3	3	3	3	3	5,175.62	3	4,835.56	3	4,496.59	3	4,139.52	3	3,777.54	3	3,415.57	3	3,053.59	3	2,691.61
1/4	1/4	1/4	1/4	1/4	5,168.31	1/4	4,828.71	1/4	4,489.33	1/4	4,131.98	1/4	3,770.00	1/4	3,408.02	1/4	3,046.05	1/4	2,684.07
1/2	1/2	1/2	1/2	1/2	5,161.01	1/2	4,821.86	1/2	4,482.06	1/2	4,124.44	1/2	3,762.46	1/2	3,400.48	1/2	3,038.51	1/2	2,676.53
3/4	3/4	3/4	3/4	3/4	5,153.56	3/4	4,814.98	3/4	4,474.77	3/4	4,116.90	3/4	3,754.92	3/4	3,392.94	3/4	3,030.96	3/4	2,668.99
4	4	4	4	4	5,146.12	4	4,808.09	4	4,467.48	4	4,109.36	4	3,747.38	4	3,385.40	4	3,023.42	4	2,661.45
1/4	1/4	1/4	1/4	1/4	5,138.68	1/4	4,801.21	1/4	4,460.18	1/4	4,101.81	1/4	3,739.84	1/4	3,377.86	1/4	3,015.88	1/4	2,653.90
1/2	1/2	1/2	1/2	1/2	5,131.23	1/2	4,794.32	1/2	4,452.89	1/2	4,094.27	1/2	3,732.30	1/2	3,370.32	1/2	3,008.34	1/2	2,646.36
3/4	3/4	3/4	3/4	3/4	5,123.79	3/4	4,787.41	3/4	4,445.56	3/4	4,086.73	3/4	3,724.75	3/4	3,362.78	3/4	3,000.80	3/4	2,638.82
5	5	5	5	5	5,116.35	5	4,780.49	5	4,438.24	5	4,079.19	5	3,717.21	5	3,355.24	5	2,993.26	5	2,631.28
1/4	1/4	1/4	1/4	1/4	5,108.91	1/4	4,773.57	1/4	4,430.91	1/4	4,071.65	1/4	3,709.67	1/4	3,347.69	1/4	2,985.72	1/4	2,623.73
1/2	1/2	1/2	1/2	1/2	5,101.46	1/2	4,766.65	1/2	4,423.58	1/2	4,064.11	1/2	3,702.13	1/2	3,340.15	1/2	2,978.18	1/2	2,616.19
3/4	3/4	3/4	3/4	3/4	5,094.02	3/4	4,759.70	3/4	4,416.22	3/4	4,056.57	3/4	3,694.59	3/4	3,332.61	3/4	2,970.63	3/4	2,608.64
6	6	6	6	6	5,086.58	6	4,752.76	6	4,408.86	6	4,049.03	6	3,687.05	6	3,325.07	6	2,963.09	6	2,601.10
1/4	1/4	1/4	1/4	1/4	5,079.14	1/4	4,745.81	1/4	4,401.50	1/4	4,041.49	1/4	3,679.51	1/4	3,317.53	1/4	2,955.55	1/4	2,593.56
1/2	1/2	1/2	1/2	1/2	5,071.69	1/2	4,738.86	1/2	4,394.14	1/2	4,033.94	1/2	3,671.97	1/2	3,309.99	1/2	2,948.01	1/2	2,586.01
3/4	3/4	3/4	3/4	3/4	5,064.25	3/4	4,731.88	3/4	4,386.75	3/4	4,026.40	3/4	3,664.43	3/4	3,302.45	3/4	2,940.47	3/4	2,578.47
7	7	7	7	7	5,056.81	7	4,724.90	7	4,379.36	7	4,018.86	7	3,656.88	7	3,294.91	7	2,932.93	7	2,570.93
1/4	1/4	1/4	1/4	1/4	5,049.37	1/4	4,717.91	1/4	4,371.97	1/4	4,011.32	1/4	3,649.34	1/4	3,287.37	1/4	2,925.39	1/4	2,563.38
1/2	1/2	1/2	1/2	1/2	5,041.92	1/2	4,710.93	1/2	4,364.57	1/2	4,003.78	1/2	3,641.80	1/2	3,279.82	1/2	2,917.85	1/2	2,555.84
3/4	3/4	3/4	3/4	3/4	5,034.53	3/4	4,703.89	3/4	4,357.15	3/4	3,996.24	3/4	3,634.26	3/4	3,272.28	3/4	2,910.31	3/4	2,548.29
8	8	8	8	8	5,027.14	8	4,696.85	8	4,349.73	8	3,988.70	8	3,626.72	8	3,264.74	8	2,902.76	8	2,540.75
1/4	1/4	1/4	1/4	1/4	5,019.75	1/4	4,689.81	1/4	4,342.31	1/4	3,981.16	1/4	3,619.18	1/4	3,257.20	1/4	2,895.22	1/4	2,533.21
1/2	1/2	1/2	1/2	1/2	5,012.36	1/2	4,682.77	1/2	4,334.89	1/2	3,973.61	1/2	3,611.64	1/2	3,249.66	1/2	2,887.68	1/2	2,525.66
3/4	3/4	3/4	3/4	3/4	5,005.38	3/4	4,675.69	3/4	4,327.44	3/4	3,966.07	3/4	3,604.10	3/4	3,242.12	3/4	2,880.14	3/4	2,518.12
9	9	9	9	9	4,998.40	9	4,668.62	9	4,319.99	9	3,958.53	9	3,596.55	9	3,234.58	9	2,872.60	9	2,510.57
1/4	1/4	1/4	1/4	1/4	4,991.42	1/4	4,661.54	1/4	4,312.54	1/4	3,950.99	1/4	3,589.01	1/4	3,227.04	1/4	2,865.06	1/4	2,503.03
1/2	1/2	1/2	1/2	1/2	4,984.43	1/2	4,654.47	1/2	4,305.08	1/2	3,943.45	1/2	3,581.47	1/2	3,219.49	1/2	2,857.52	1/2	2,495.49
3/4	3/4	3/4	3/4	3/4	4,977.74	3/4	4,647.36	3/4	4,297.60	3/4	3,935.91	3/4	3,573.93	3/4	3,211.95	3/4	2,849.98	3/4	2,487.94
10	10	10	10	10	4,971.04	10	4,640.26	10	4,290.11	10	3,928.37	10	3,566.39	10	3,204.41	10	2,842.43	10	2,480.40
1/4	1/4	1/4	1/4	1/4	4,964.35	1/4	4,633.15	1/4	4,282.63	1/4	3,920.83	1/4	3,558.85	1/4	3,196.87	1/4	2,834.89	1/4	2,472.85
1/2	1/2	1/2	1/2	1/2	4,957.65	1/2	4,626.05	1/2	4,275.14	1/2	3,913.28	1/2	3,551.31	1/2	3,189.33	1/2	2,827.35	1/2	2,465.31
3/4	3/4	3/4	3/4	3/4	4,950.93	3/4	4,618.91	3/4	4,267.62	3/4	3,905.74	3/4	3,543.77	3/4	3,181.79	3/4	2,819.81	3/4	2,457.77
11	11	11	11	11	4,944.20	11	4,611.78	11	4,260.11	11	3,898.20	11	3,536.22	11	3,174.25	11	2,812.27	11	2,450.22
1/4	1/4	1/4	1/4	1/4	4,937.47	1/4	4,604.64	1/4	4,252.59	1/4	3,890.66	1/4	3,528.68	1/4	3,166.71	1/4	2,804.73	1/4	2,442.68
1/2	1/2	1/2	1/2	1/2	4,930.74	1/2	4,597.51	1/2	4,245.07	1/2	3,883.12	1/2	3,521.14	1/2	3,159.16	1/2	2,797.19	1/2	2,435.13
3/4	3/4	3/4	3/4	3/4	4,923.98	3/4	4,590.34	3/4	4,237.54	3/4	3,875.58	3/4	3,513.60	3/4	3,151.62	3/4	2,789.65	3/4	2,427.59

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "EMS 520"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	2,057.94	0	1,695.83	0	1,333.73	0	972.04	0	610.01	0	251.24	0		0		0		0	
1/4	2,050.40	1/4	1,688.29	1/4	1,326.18	1/4	964.51	1/4	602.47	1/4	243.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,042.85	1/2	1,680.74	1/2	1,318.64	1/2	956.98	1/2	594.92	1/2	236.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,035.31	3/4	1,673.20	3/4	1,311.09	3/4	949.44	3/4	587.38	3/4	229.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,027.76	1	1,665.66	1	1,303.55	1	941.91	1	579.84	1	221.66	1	1	1	1	1	1	1	1
1/4	2,020.22	1/4	1,658.11	1/4	1,296.01	1/4	934.37	1/4	572.29	1/4	214.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,012.68	1/2	1,650.57	1/2	1,288.46	1/2	926.84	1/2	564.75	1/2	206.87	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,005.13	3/4	1,643.03	3/4	1,280.92	3/4	919.30	3/4	557.20	3/4	199.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,997.59	2	1,635.48	2	1,273.37	2	911.75	2	549.66	2	192.04	2	2	2	2	2	2	2	2
1/4	1,990.04	1/4	1,627.94	1/4	1,265.83	1/4	904.21	1/4	542.12	1/4	184.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,982.50	1/2	1,620.39	1/2	1,258.29	1/2	896.67	1/2	534.57	1/2	177.22	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,974.96	3/4	1,612.85	3/4	1,250.74	3/4	889.12	3/4	527.03	3/4	169.69	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,967.41	3	1,605.31	3	1,243.20	3	881.58	3	519.49	3	162.16	3	3	3	3	3	3	3	3
1/4	1,959.87	1/4	1,597.76	1/4	1,235.66	1/4	874.04	1/4	511.94	1/4	154.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,952.33	1/2	1,590.22	1/2	1,228.12	1/2	866.49	1/2	504.40	1/2	147.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,944.78	3/4	1,582.67	3/4	1,220.59	3/4	858.95	3/4	496.86	3/4	139.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,937.24	4	1,575.13	4	1,213.05	4	851.40	4	489.31	4	132.04	4	4	4	4	4	4	4	4
1/4	1,929.69	1/4	1,567.59	1/4	1,205.52	1/4	843.86	1/4	481.77	1/4	124.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,922.15	1/2	1,560.04	1/2	1,197.99	1/2	836.32	1/2	474.22	1/2	116.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,914.61	3/4	1,552.50	3/4	1,190.46	3/4	828.77	3/4	466.68	3/4	109.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,907.06	5	1,544.95	5	1,182.93	5	821.23	5	459.14	5	102.08	5	5	5	5	5	5	5	5
1/4	1,899.52	1/4	1,537.41	1/4	1,175.40	1/4	813.69	1/4	451.59	1/4	94.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,891.97	1/2	1,529.87	1/2	1,167.86	1/2	806.14	1/2	444.05	1/2	87.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,884.43	3/4	1,522.32	3/4	1,160.33	3/4	798.60	3/4	436.53	3/4	80.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,876.89	6	1,514.78	6	1,152.80	6	791.06	6	429.00	6	73.70	6	6	6	6	6	6	6	6
1/4	1,869.34	1/4	1,507.24	1/4	1,145.27	1/4	783.51	1/4	421.47	1/4	66.96	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,861.80	1/2	1,499.69	1/2	1,137.74	1/2	775.97	1/2	413.95	1/2	60.21	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,854.25	3/4	1,492.15	3/4	1,130.21	3/4	768.43	3/4	406.55	3/4	54.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,846.71	7	1,484.60	7	1,122.67	7	760.88	7	399.16	7	49.24	7	7	7	7	7	7	7	7
1/4	1,839.17	1/4	1,477.06	1/4	1,115.14	1/4	753.34	1/4	391.76	1/4	43.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,831.62	1/2	1,469.52	1/2	1,107.61	1/2	745.79	1/2	384.37	1/2	38.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,824.08	3/4	1,461.97	3/4	1,100.08	3/4	738.25	3/4	376.97	3/4	34.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,816.54	8	1,454.43	8	1,092.55	8	730.71	8	369.57	8	29.82	8	8	8	8	8	8	8	8
1/4	1,808.99	1/4	1,446.88	1/4	1,085.02	1/4	723.16	1/4	362.18	1/4	25.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,801.45	1/2	1,439.34	1/2	1,077.48	1/2	715.62	1/2	354.78	1/2	21.36	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,793.90	3/4	1,431.80	3/4	1,069.95	3/4	708.08	3/4	347.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,786.36	9	1,424.25	9	1,062.42	9	700.53	9	339.99	9		9	9	9	9	9	9	9	9
1/4	1,778.82	1/4	1,416.71	1/4	1,054.89	1/4	692.99	1/4	332.60	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,771.27	1/2	1,409.16	1/2	1,047.36	1/2	685.45	1/2	325.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,763.73	3/4	1,401.62	3/4	1,039.83	3/4	677.90	3/4	317.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,756.18	10	1,394.08	10	1,032.29	10	670.36	10	310.41	10		10	10	10	10	10	10	10	10
1/4	1,748.64	1/4	1,386.53	1/4	1,024.76	1/4	662.81	1/4	303.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,741.10	1/2	1,378.99	1/2	1,017.23	1/2	655.27	1/2	295.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,733.55	3/4	1,371.44	3/4	1,009.70	3/4	647.73	3/4	288.22	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,726.01	11	1,363.90	11	1,002.17	11	640.18	11	280.82	11		11	11	11	11	11	11	11	11
1/4	1,718.46	1/4	1,356.36	1/4	994.63	1/4	632.64	1/4	273.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,710.92	1/2	1,348.81	1/2	987.10	1/2	625.10	1/2	266.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,703.38	3/4	1,341.27	3/4	979.57	3/4	617.55	3/4	258.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2020 CL
CALCULATED: 07/28/2020 CL
PRINTED: 07/28/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2020

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



BARGE "EMS 520"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	0	4,893.28	0	4,559.66	0	4,206.94	0	3,845.44	0	3,483.93	0	3,122.42	0	2,760.94	0	2,401.04
1/4	1/4	1/4	1/4	1/4	4,886.53	1/4	4,552.50	1/4	4,199.41	1/4	3,837.91	1/4	3,476.40	1/4	3,114.89	1/4	2,753.43	1/4	2,393.51
1/2	1/2	1/2	1/2	1/2	5,211.61	1/2	4,879.78	1/2	4,545.35	1/2	4,191.88	1/2	3,830.37	1/2	3,468.87	1/2	3,107.36	1/2	2,745.91
3/4	3/4	3/4	3/4	3/4	5,206.51	3/4	4,873.00	3/4	4,538.16	3/4	4,184.35	3/4	3,822.84	3/4	3,461.34	3/4	3,099.83	3/4	2,738.48
1	1	1	1	1	5,201.40	1	4,866.22	1	4,530.97	1	4,176.82	1	3,815.31	1	3,453.80	1	3,092.30	1	2,731.06
1/4	1/4	1/4	1/4	1/4	5,196.30	1/4	4,859.44	1/4	4,523.78	1/4	4,169.29	1/4	3,807.78	1/4	3,446.27	1/4	3,084.77	1/4	2,723.63
1/2	1/2	1/2	1/2	1/2	5,191.20	1/2	4,852.65	1/2	4,516.59	1/2	4,161.76	1/2	3,800.25	1/2	3,438.74	1/2	3,077.23	1/2	2,716.21
3/4	3/4	3/4	3/4	3/4	5,184.88	3/4	4,845.84	3/4	4,509.36	3/4	4,154.23	3/4	3,792.72	3/4	3,431.21	3/4	3,069.70	3/4	2,708.78
2	2	2	2	2	5,178.57	2	4,839.03	2	4,502.14	2	4,146.69	2	3,785.19	2	3,423.68	2	3,062.17	2	2,701.36
1/4	1/4	1/4	1/4	1/4	5,172.25	1/4	4,832.22	1/4	4,494.91	1/4	4,139.16	1/4	3,777.66	1/4	3,416.15	1/4	3,054.64	1/4	2,693.93
1/2	1/2	1/2	1/2	1/2	5,165.94	1/2	4,825.41	1/2	4,487.69	1/2	4,131.63	1/2	3,770.12	1/2	3,408.62	1/2	3,047.11	1/2	2,686.51
3/4	3/4	3/4	3/4	3/4	5,158.64	3/4	4,818.57	3/4	4,480.44	3/4	4,124.10	3/4	3,762.59	3/4	3,401.09	3/4	3,039.58	3/4	2,679.08
3	3	3	3	3	5,151.35	3	4,811.73	3	4,473.18	3	4,116.57	3	3,755.06	3	3,393.55	3	3,032.05	3	2,671.66
1/4	1/4	1/4	1/4	1/4	5,144.05	1/4	4,804.88	1/4	4,465.93	1/4	4,109.04	1/4	3,747.53	1/4	3,386.02	1/4	3,024.52	1/4	2,664.23
1/2	1/2	1/2	1/2	1/2	5,136.76	1/2	4,798.04	1/2	4,458.68	1/2	4,101.51	1/2	3,740.00	1/2	3,378.49	1/2	3,016.98	1/2	2,656.81
3/4	3/4	3/4	3/4	3/4	5,129.32	3/4	4,791.17	3/4	4,451.39	3/4	4,093.97	3/4	3,732.47	3/4	3,370.96	3/4	3,009.45	3/4	2,649.37
4	4	4	4	4	5,121.89	4	4,784.29	4	4,444.11	4	4,086.44	4	3,724.94	4	3,363.43	4	3,001.92	4	2,641.93
1/4	1/4	1/4	1/4	1/4	5,114.46	1/4	4,777.41	1/4	4,436.82	1/4	4,078.91	1/4	3,717.40	1/4	3,355.90	1/4	2,994.39	1/4	2,634.49
1/2	1/2	1/2	1/2	1/2	5,107.02	1/2	4,770.54	1/2	4,429.54	1/2	4,071.38	1/2	3,709.87	1/2	3,348.37	1/2	2,986.86	1/2	2,627.05
3/4	3/4	3/4	3/4	3/4	5,099.59	3/4	4,763.63	3/4	4,422.22	3/4	4,063.85	3/4	3,702.34	3/4	3,340.83	3/4	2,979.33	3/4	2,619.52
5	5	5	5	5	5,092.16	5	4,756.72	5	4,414.90	5	4,056.32	5	3,694.81	5	3,333.30	5	2,971.80	5	2,611.99
1/4	1/4	1/4	1/4	1/4	5,084.72	1/4	4,749.81	1/4	4,407.59	1/4	4,048.79	1/4	3,687.28	1/4	3,325.77	1/4	2,964.26	1/4	2,604.46
1/2	1/2	1/2	1/2	1/2	5,077.29	1/2	4,742.90	1/2	4,400.27	1/2	4,041.25	1/2	3,679.75	1/2	3,318.24	1/2	2,956.73	1/2	2,596.93
3/4	3/4	3/4	3/4	3/4	5,069.86	3/4	4,735.96	3/4	4,392.92	3/4	4,033.72	3/4	3,672.22	3/4	3,310.71	3/4	2,949.20	3/4	2,589.40
6	6	6	6	6	5,062.42	6	4,729.02	6	4,385.57	6	4,026.19	6	3,664.68	6	3,303.18	6	2,941.67	6	2,581.86
1/4	1/4	1/4	1/4	1/4	5,054.99	1/4	4,722.08	1/4	4,378.21	1/4	4,018.66	1/4	3,657.15	1/4	3,295.65	1/4	2,934.14	1/4	2,574.33
1/2	1/2	1/2	1/2	1/2	5,047.56	1/2	4,715.15	1/2	4,370.86	1/2	4,011.13	1/2	3,649.62	1/2	3,288.11	1/2	2,926.61	1/2	2,566.79
3/4	3/4	3/4	3/4	3/4	5,040.13	3/4	4,708.17	3/4	4,363.48	3/4	4,003.60	3/4	3,642.09	3/4	3,280.58	3/4	2,919.08	3/4	2,559.26
7	7	7	7	7	5,032.69	7	4,701.20	7	4,356.10	7	3,996.07	7	3,634.56	7	3,273.05	7	2,911.54	7	2,551.72
1/4	1/4	1/4	1/4	1/4	5,025.26	1/4	4,694.23	1/4	4,348.72	1/4	3,988.53	1/4	3,627.03	1/4	3,265.52	1/4	2,904.01	1/4	2,544.19
1/2	1/2	1/2	1/2	1/2	5,017.83	1/2	4,687.25	1/2	4,341.34	1/2	3,981.00	1/2	3,619.50	1/2	3,257.99	1/2	2,896.48	1/2	2,536.66
3/4	3/4	3/4	3/4	3/4	5,010.44	3/4	4,680.22	3/4	4,333.93	3/4	3,973.47	3/4	3,611.96	3/4	3,250.46	3/4	2,888.95	3/4	2,529.12
8	8	8	8	8	5,003.06	8	4,673.19	8	4,326.51	8	3,965.94	8	3,604.43	8	3,242.93	8	2,881.42	8	2,521.59
1/4	1/4	1/4	1/4	1/4	4,995.68	1/4	4,666.16	1/4	4,319.10	1/4	3,958.41	1/4	3,596.90	1/4	3,235.39	1/4	2,873.89	1/4	2,514.05
1/2	1/2	1/2	1/2	1/2	4,988.30	1/2	4,659.12	1/2	4,311.69	1/2	3,950.88	1/2	3,589.37	1/2	3,227.86	1/2	2,866.36	1/2	2,506.52
3/4	3/4	3/4	3/4	3/4	4,981.33	3/4	4,652.06	3/4	4,304.25	3/4	3,943.35	3/4	3,581.84	3/4	3,220.33	3/4	2,858.82	3/4	2,498.99
9	9	9	9	9	4,974.36	9	4,644.99	9	4,296.81	9	3,935.81	9	3,574.31	9	3,212.80	9	2,851.29	9	2,491.45
1/4	1/4	1/4	1/4	1/4	4,967.38	1/4	4,637.93	1/4	4,289.37	1/4	3,928.28	1/4	3,566.78	1/4	3,205.27	1/4	2,843.76	1/4	2,483.92
1/2	1/2	1/2	1/2	1/2	4,960.41	1/2	4,630.86	1/2	4,281.92	1/2	3,920.75	1/2	3,559.24	1/2	3,197.74	1/2	2,836.23	1/2	2,476.38
3/4	3/4	3/4	3/4	3/4	4,953.72	3/4	4,623.76	3/4	4,274.45	3/4	3,913.22	3/4	3,551.71	3/4	3,190.21	3/4	2,828.70	3/4	2,468.85
10	10	10	10	10	4,947.04	10	4,616.67	10	4,266.97	10	3,905.69	10	3,544.18	10	3,182.67	10	2,821.17	10	2,461.31
1/4	1/4	1/4	1/4	1/4	4,940.35	1/4	4,609.57	1/4	4,259.50	1/4	3,898.16	1/4	3,536.65	1/4	3,175.14	1/4	2,813.64	1/4	2,453.78
1/2	1/2	1/2	1/2	1/2	4,933.66	1/2	4,602.48	1/2	4,252.02	1/2	3,890.63	1/2	3,529.12	1/2	3,167.61	1/2	2,806.10	1/2	2,446.25
3/4	3/4	3/4	3/4	3/4	4,926.94	3/4	4,595.35	3/4	4,244.51	3/4	3,883.09	3/4	3,521.59	3/4	3,160.08	3/4	2,798.57	3/4	2,438.71
11	11	11	11	11	4,920.22	11	4,588.22	11	4,237.01	11	3,875.56	11	3,514.06	11	3,152.55	11	2,791.04	11	2,431.18
1/4	1/4	1/4	1/4	1/4	4,913.50	1/4	4,581.10	1/4	4,229.50	1/4	3,868.03	1/4	3,506.52	1/4	3,145.02	1/4	2,783.51	1/4	2,423.64
1/2	1/2	1/2	1/2	1/2	4,906.78	1/2	4,573.97	1/2	4,221.99	1/2	3,860.50	1/2	3,498.99	1/2	3,137.49	1/2	2,775.98	1/2	2,416.11
3/4	3/4	3/4	3/4	3/4	4,900.03	3/4	4,566.82	3/4	4,214.46	3/4	3,852.97	3/4	3,491.46	3/4	3,129.95	3/4	2,768.46	3/4	2,408.57

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD

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





BARGE "EMS 520"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,039.40		1,677.76		1,316.12		967.64		609.22		250.92								
1/4	2,031.86	1/4	1,670.22	1/4	1,308.58	1/4	960.45	1/4	601.69	1/4	243.53	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,024.33	1/2	1,662.69	1/2	1,301.05	1/2	953.26	1/2	594.16	1/2	236.14	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,016.80	3/4	1,655.15	3/4	1,293.51	3/4	946.06	3/4	586.62	3/4	228.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,009.26	1	1,647.62	1	1,285.98	1	938.87	1	579.09	1	221.37	1	1	1	1	1	1	1	1
1/4	2,001.73	1/4	1,640.09	1/4	1,278.44	1/4	931.68	1/4	571.55	1/4	213.98	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,994.19	1/2	1,632.55	1/2	1,270.91	1/2	924.49	1/2	564.02	1/2	206.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,986.66	3/4	1,625.02	3/4	1,263.42	3/4	917.24	3/4	556.49	3/4	199.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,979.13	2	1,617.48	2	1,255.93	2	910.00	2	548.95	2	191.79	2	2	2	2	2	2	2	2
1/4	1,971.59	1/4	1,609.95	1/4	1,248.43	1/4	902.76	1/4	541.42	1/4	184.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,964.06	1/2	1,602.42	1/2	1,240.94	1/2	895.51	1/2	533.88	1/2	176.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,956.52	3/4	1,594.88	3/4	1,233.74	3/4	887.98	3/4	526.35	3/4	169.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,948.99	3	1,587.35	3	1,226.54	3	880.44	3	518.82	3	161.95	3	3	3	3	3	3	3	3
1/4	1,941.45	1/4	1,579.81	1/4	1,219.33	1/4	872.91	1/4	511.28	1/4	154.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,933.92	1/2	1,572.28	1/2	1,212.13	1/2	865.38	1/2	503.75	1/2	146.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,926.39	3/4	1,564.74	3/4	1,204.94	3/4	857.84	3/4	496.21	3/4	139.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,918.85	4	1,557.21	4	1,197.75	4	850.31	4	488.68	4	131.87	4	4	4	4	4	4	4	4
1/4	1,911.32	1/4	1,549.68	1/4	1,190.56	1/4	842.77	1/4	481.15	1/4	124.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,903.78	1/2	1,542.14	1/2	1,183.37	1/2	835.24	1/2	473.61	1/2	116.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,896.25	3/4	1,534.61	3/4	1,176.18	3/4	827.71	3/4	466.08	3/4	109.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,888.71	5	1,527.07	5	1,168.99	5	820.17	5	458.55	5	101.95	5	5	5	5	5	5	5	5
1/4	1,881.18	1/4	1,519.54	1/4	1,161.80	1/4	812.64	1/4	451.01	1/4	94.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,873.65	1/2	1,512.00	1/2	1,154.60	1/2	805.10	1/2	443.48	1/2	87.07	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,866.11	3/4	1,504.47	3/4	1,147.41	3/4	797.57	3/4	435.96	3/4	80.34	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,858.58	6	1,496.94	6	1,140.22	6	790.04	6	428.45	6	73.60	6	6	6	6	6	6	6	6
1/4	1,851.04	1/4	1,489.40	1/4	1,133.03	1/4	782.50	1/4	420.93	1/4	66.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,843.51	1/2	1,481.87	1/2	1,125.84	1/2	774.97	1/2	413.41	1/2	60.14	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,835.98	3/4	1,474.33	3/4	1,118.65	3/4	767.44	3/4	406.03	3/4	54.66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,828.44	7	1,466.80	7	1,111.46	7	759.90	7	398.64	7	49.18	7	7	7	7	7	7	7	7
1/4	1,820.91	1/4	1,459.27	1/4	1,104.27	1/4	752.37	1/4	391.26	1/4	43.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,813.37	1/2	1,451.73	1/2	1,097.08	1/2	744.83	1/2	383.87	1/2	38.22	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,805.84	3/4	1,444.20	3/4	1,089.89	3/4	737.30	3/4	376.48	3/4	34.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,798.30	8	1,436.66	8	1,082.69	8	729.77	8	369.10	8	29.78	8	8	8	8	8	8	8	8
1/4	1,790.77	1/4	1,429.13	1/4	1,075.50	1/4	722.23	1/4	361.71	1/4	25.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,783.24	1/2	1,421.59	1/2	1,068.31	1/2	714.70	1/2	354.32	1/2	21.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,775.70	3/4	1,414.06	3/4	1,061.12	3/4	707.16	3/4	346.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,768.17	9	1,406.53	9	1,053.93	9	699.63	9	339.55	9		9	9	9	9	9	9	9	9
1/4	1,760.63	1/4	1,398.99	1/4	1,046.74	1/4	692.10	1/4	332.17	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,753.10	1/2	1,391.46	1/2	1,039.55	1/2	684.56	1/2	324.78	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,745.57	3/4	1,383.92	3/4	1,032.36	3/4	677.03	3/4	317.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,738.03	10	1,376.39	10	1,025.17	10	669.49	10	310.01	10		10	10	10	10	10	10	10	10
1/4	1,730.50	1/4	1,368.86	1/4	1,017.98	1/4	661.96	1/4	302.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,722.96	1/2	1,361.32	1/2	1,010.78	1/2	654.43	1/2	295.23	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,715.43	3/4	1,353.79	3/4	1,003.59	3/4	646.89	3/4	287.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,707.89	11	1,346.25	11	996.40	11	639.36	11	280.46	11		11	11	11	11	11	11	11	11
1/4	1,700.36	1/4	1,338.72	1/4	989.21	1/4	631.82	1/4	273.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,692.83	1/2	1,331.18	1/2	982.02	1/2	624.29	1/2	265.69	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,685.29	3/4	1,323.65	3/4	974.83	3/4	616.76	3/4	258.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2020 CL
CALCULATED: 07/28/2020 CL
PRINTED: 07/28/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2020

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



BARGE "EMS 520"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	4,238.99	0	4,071.68	0	3,885.75	0	3,691.41	0	3,485.05	0	3,126.05	0	2,765.79	0	2,404.93		
1/4	1/4	1/4	4,402.14	1/4	4,235.70	1/4	4,068.01	1/4	3,881.70	1/4	3,677.37	1/4	3,477.56	1/4	3,118.54	1/4	2,758.27	1/4	2,397.42
1/2	1/2	1/2	4,400.48	1/2	4,232.39	1/2	4,064.30	1/2	3,877.65	1/2	3,683.32	1/2	3,470.08	1/2	3,111.04	1/2	2,750.76	1/2	2,389.90
3/4	3/4	3/4	4,398.83	3/4	4,229.08	3/4	4,060.59	3/4	3,873.61	3/4	3,679.27	3/4	3,462.59	3/4	3,103.53	3/4	2,743.24	3/4	2,382.38
1	1	1	4,397.17	1	4,225.76	1	4,056.88	1	3,869.56	1	3,675.22	1	3,455.11	1	3,096.03	1	2,735.72	1	2,374.86
1/4	1/4	1/4	4,395.51	1/4	4,222.45	1/4	4,053.17	1/4	3,865.51	1/4	3,671.17	1/4	3,447.62	1/4	3,088.53	1/4	2,728.21	1/4	2,367.34
1/2	1/2	1/2	4,392.63	1/2	4,219.10	1/2	4,049.43	1/2	3,861.46	1/2	3,667.12	1/2	3,440.13	1/2	3,081.02	1/2	2,720.69	1/2	2,359.82
3/4	3/4	3/4	4,389.75	3/4	4,215.76	3/4	4,045.69	3/4	3,857.41	3/4	3,663.07	3/4	3,432.65	3/4	3,073.52	3/4	2,713.17	3/4	2,352.30
2	2	2	4,386.87	2	4,212.42	2	4,041.95	2	3,853.36	2	3,659.02	2	3,425.16	2	3,066.01	2	2,705.66	2	2,344.79
1/4	1/4	1/4	4,383.99	1/4	4,209.07	1/4	4,038.21	1/4	3,849.31	1/4	3,654.98	1/4	3,417.68	1/4	3,058.51	1/4	2,698.14	1/4	2,337.27
1/2	1/2	1/2	4,380.13	1/2	4,205.70	1/2	4,034.44	1/2	3,845.27	1/2	3,650.93	1/2	3,410.19	1/2	3,051.00	1/2	2,690.62	1/2	2,329.75
3/4	3/4	3/4	4,376.26	3/4	4,202.32	3/4	4,030.66	3/4	3,841.22	3/4	3,646.88	3/4	3,402.71	3/4	3,043.50	3/4	2,683.10	3/4	2,322.23
3	3	3	4,372.40	3	4,198.95	3	4,026.89	3	3,837.17	3	3,642.83	3	3,395.22	3	3,036.00	3	2,675.59	3	2,314.71
1/4	1/4	1/4	4,368.54	1/4	4,195.57	1/4	4,023.12	1/4	3,833.12	1/4	3,638.78	1/4	3,391.73	1/4	3,028.49	1/4	2,668.07	1/4	2,307.19
1/2	1/2	1/2	4,364.55	1/2	4,192.16	1/2	4,019.32	1/2	3,829.07	1/2	3,634.73	1/2	3,380.25	1/2	3,020.99	1/2	2,660.55	1/2	2,299.68
3/4	3/4	3/4	4,360.55	3/4	4,188.76	3/4	4,015.52	3/4	3,825.02	3/4	3,630.68	3/4	3,372.76	3/4	3,013.48	3/4	2,653.04	3/4	2,292.16
4	4	4	4,356.55	4	4,185.35	4	4,011.72	4	3,820.97	4	3,626.64	4	3,365.28	4	3,005.98	4	2,645.52	4	2,284.64
1/4	1/4	1/4	4,352.56	1/4	4,181.94	1/4	4,007.91	1/4	3,816.92	1/4	3,622.59	1/4	3,357.79	1/4	2,998.47	1/4	2,638.00	1/4	2,277.12
1/2	1/2	1/2	4,348.56	1/2	4,178.50	1/2	4,004.08	1/2	3,812.88	1/2	3,618.54	1/2	3,350.31	1/2	2,990.97	1/2	2,630.48	1/2	2,269.60
3/4	3/4	3/4	4,344.57	3/4	4,175.05	3/4	4,000.24	3/4	3,808.83	3/4	3,614.49	3/4	3,342.83	3/4	2,983.47	3/4	2,622.97	3/4	2,262.08
5	5	5	4,340.57	5	4,171.61	5	3,996.41	5	3,804.78	5	3,610.44	5	3,335.34	5	2,975.96	5	2,615.45	5	2,254.57
1/4	1/4	1/4	4,336.58	1/4	4,168.17	1/4	3,992.57	1/4	3,800.73	1/4	3,606.39	1/4	3,327.86	1/4	2,968.46	1/4	2,607.93	1/4	2,247.05
1/2	1/2	1/2	4,332.58	1/2	4,164.70	1/2	3,988.70	1/2	3,796.68	1/2	3,602.34	1/2	3,320.39	1/2	2,960.95	1/2	2,600.41	1/2	2,239.53
3/4	3/4	3/4	4,328.59	3/4	4,161.23	3/4	3,984.84	3/4	3,792.63	3/4	3,598.29	3/4	3,312.92	3/4	2,953.45	3/4	2,592.89	3/4	2,232.01
6	6	6	4,324.59	6	4,157.76	6	3,980.97	6	3,788.58	6	3,594.25	6	3,305.45	6	2,945.95	6	2,585.38	6	2,224.49
1/4	1/4	1/4	4,320.60	1/4	4,154.29	1/4	3,977.10	1/4	3,784.53	1/4	3,590.20	1/4	3,297.98	1/4	2,938.44	1/4	2,577.86	1/4	2,216.97
1/2	1/2	1/2	4,316.60	1/2	4,150.78	1/2	3,973.20	1/2	3,780.49	1/2	3,586.15	1/2	3,290.51	1/2	2,930.94	1/2	2,570.34	1/2	2,209.46
3/4	3/4	3/4	4,312.60	3/4	4,147.28	3/4	3,969.30	3/4	3,776.44	3/4	3,582.10	3/4	3,283.04	3/4	2,923.43	3/4	2,562.82	3/4	2,201.94
7	7	7	4,308.61	7	4,143.77	7	3,965.40	7	3,772.39	7	3,578.05	7	3,275.57	7	2,915.93	7	2,555.30	7	2,194.42
1/4	1/4	1/4	4,304.61	1/4	4,140.27	1/4	3,961.50	1/4	3,768.34	1/4	3,574.00	1/4	3,268.10	1/4	2,908.42	1/4	2,547.78	1/4	2,186.90
1/2	1/2	1/2	4,300.67	1/2	4,136.72	1/2	3,957.57	1/2	3,764.29	1/2	3,569.95	1/2	3,260.63	1/2	2,900.92	1/2	2,540.26	1/2	2,179.38
3/4	3/4	3/4	4,296.73	3/4	4,133.17	3/4	3,953.64	3/4	3,760.24	3/4	3,565.90	3/4	3,253.16	3/4	2,893.42	3/4	2,532.75	3/4	2,171.86
8	8	8	4,292.78	8	4,129.62	8	3,949.72	8	3,756.19	8	3,561.86	8	3,245.69	8	2,885.91	8	2,525.23	8	2,164.34
1/4	1/4	1/4	4,288.84	1/4	4,126.07	1/4	3,945.79	1/4	3,752.14	1/4	3,557.81	1/4	3,238.22	1/4	2,878.41	1/4	2,517.71	1/4	2,156.83
1/2	1/2	1/2	4,285.31	1/2	4,122.48	1/2	3,941.83	1/2	3,748.10	1/2	3,553.76	1/2	3,230.75	1/2	2,870.90	1/2	2,510.19	1/2	2,149.31
3/4	3/4	3/4	4,281.78	3/4	4,118.90	3/4	3,937.87	3/4	3,744.05	3/4	3,549.71	3/4	3,223.28	3/4	2,863.40	3/4	2,502.67	3/4	2,141.79
9	9	9	4,278.24	9	4,115.32	9	3,933.91	9	3,740.00	9	3,545.66	9	3,215.81	9	2,855.90	9	2,495.15	9	2,134.27
1/4	1/4	1/4	4,274.71	1/4	4,111.73	1/4	3,929.95	1/4	3,735.95	1/4	3,541.61	1/4	3,208.34	1/4	2,848.39	1/4	2,487.64	1/4	2,126.75
1/2	1/2	1/2	4,271.50	1/2	4,108.12	1/2	3,925.96	1/2	3,731.90	1/2	3,537.56	1/2	3,200.87	1/2	2,840.89	1/2	2,480.12	1/2	2,119.23
3/4	3/4	3/4	4,268.28	3/4	4,104.50	3/4	3,921.96	3/4	3,727.85	3/4	3,533.52	3/4	3,193.40	3/4	2,833.38	3/4	2,472.60	3/4	2,111.72
10	10	10	4,265.06	10	4,100.89	10	3,917.97	10	3,723.80	10	3,529.47	10	3,185.93	10	2,825.88	10	2,465.08	10	2,104.20
1/4	1/4	1/4	4,261.84	1/4	4,097.28	1/4	3,913.98	1/4	3,719.76	1/4	3,525.42	1/4	3,178.46	1/4	2,818.37	1/4	2,457.56	1/4	2,096.68
1/2	1/2	1/2	4,258.59	1/2	4,093.63	1/2	3,909.95	1/2	3,715.71	1/2	3,520.94	1/2	3,170.98	1/2	2,810.87	1/2	2,450.04	1/2	2,089.16
3/4	3/4	3/4	4,255.34	3/4	4,089.99	3/4	3,905.93	3/4	3,711.66	3/4	3,516.46	3/4	3,163.51	3/4	2,803.36	3/4	2,442.53	3/4	2,081.64
11	11	11	4,252.09	11	4,086.35	11	3,901.90	11	3,707.61	11	3,511.98	11	3,156.03	11	2,795.86	11	2,435.01	11	2,074.12
1/4	1/4	1/4	4,248.84	1/4	4,082.70	1/4	3,897.88	1/4	3,703.56	1/4	3,507.50	1/4	3,148.56	1/4	2,788.35	1/4	2,427.49	1/4	2,066.61
1/2	1/2	1/2	4,245.56	1/2	4,079.03	1/2	3,893.83	1/2	3,699.51	1/2	3,500.02	1/2	3,141.05	1/2	2,780.83	1/2	2,419.97	1/2	2,059.09
3/4	3/4	3/4	4,242.27	3/4	4,075.35	3/4	3,889.79	3/4	3,695.46	3/4	3,492.53	3/4	3,133.55	3/4	2,773.31	3/4	2,412.45	3/4	2,051.57

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD

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





BARGE "EMS 520"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,044.05	0	1,683.08	0	1,322.11	0	961.45	0	600.56	0	243.08	0		0		0		0	
1/4	2,036.53	1/4	1,675.56	1/4	1,314.59	1/4	953.94	1/4	593.04	1/4	235.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,029.01	1/2	1,668.04	1/2	1,307.07	1/2	946.42	1/2	585.52	1/2	228.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,021.49	3/4	1,660.52	3/4	1,299.55	3/4	938.91	3/4	578.00	3/4	220.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,013.97	1	1,653.00	1	1,292.03	1	931.40	1	570.48	1	213.59	1	1	1	1	1	1	1	1
1/4	2,006.45	1/4	1,645.48	1/4	1,284.51	1/4	923.89	1/4	562.96	1/4	206.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,998.93	1/2	1,637.96	1/2	1,276.99	1/2	916.38	1/2	555.44	1/2	198.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,991.41	3/4	1,630.44	3/4	1,269.47	3/4	908.86	3/4	547.92	3/4	191.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,983.89	2	1,622.92	2	1,261.95	2	901.35	2	540.40	2	184.05	2	2	2	2	2	2	2	2
1/4	1,976.37	1/4	1,615.40	1/4	1,254.43	1/4	893.83	1/4	532.88	1/4	176.66	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,968.85	1/2	1,607.88	1/2	1,246.91	1/2	886.31	1/2	525.36	1/2	169.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,961.32	3/4	1,600.36	3/4	1,239.39	3/4	878.79	3/4	517.84	3/4	161.65	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,953.80	3	1,592.84	3	1,231.87	3	871.27	3	510.32	3	154.15	3	3	3	3	3	3	3	3
1/4	1,946.28	1/4	1,585.31	1/4	1,224.35	1/4	863.75	1/4	502.80	1/4	146.64	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,938.76	1/2	1,577.79	1/2	1,216.83	1/2	856.23	1/2	495.28	1/2	139.14	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,931.24	3/4	1,570.27	3/4	1,209.31	3/4	848.71	3/4	487.76	3/4	131.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,923.72	4	1,562.75	4	1,201.80	4	841.19	4	480.24	4	124.13	4	4	4	4	4	4	4	4
1/4	1,916.20	1/4	1,555.23	1/4	1,194.28	1/4	833.67	1/4	472.72	1/4	116.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,908.68	1/2	1,547.71	1/2	1,186.77	1/2	826.15	1/2	465.20	1/2	109.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,901.16	3/4	1,540.19	3/4	1,179.26	3/4	818.63	3/4	457.68	3/4	101.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,893.64	5	1,532.67	5	1,171.75	5	811.11	5	450.16	5	94.34	5	5	5	5	5	5	5	5
1/4	1,886.12	1/4	1,525.15	1/4	1,164.24	1/4	803.59	1/4	442.64	1/4	86.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,878.60	1/2	1,517.63	1/2	1,156.73	1/2	796.07	1/2	435.14	1/2	80.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,871.08	3/4	1,510.11	3/4	1,149.21	3/4	788.55	3/4	427.63	3/4	73.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,863.56	6	1,502.59	6	1,141.70	6	781.03	6	420.13	6	66.75	6	6	6	6	6	6	6	6
1/4	1,856.04	1/4	1,495.07	1/4	1,134.19	1/4	773.51	1/4	412.63	1/4	60.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,848.52	1/2	1,487.55	1/2	1,126.68	1/2	765.99	1/2	405.26	1/2	54.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,841.00	3/4	1,480.03	3/4	1,119.17	3/4	758.47	3/4	397.89	3/4	49.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,833.48	7	1,472.51	7	1,111.66	7	750.95	7	390.52	7	43.62	7	7	7	7	7	7	7	7
1/4	1,825.96	1/4	1,464.99	1/4	1,104.15	1/4	743.43	1/4	383.14	1/4	38.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,818.44	1/2	1,457.47	1/2	1,096.64	1/2	735.91	1/2	375.77	1/2	33.94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,810.92	3/4	1,449.95	3/4	1,089.13	3/4	728.39	3/4	368.40	3/4	29.72	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,803.40	8	1,442.43	8	1,081.62	8	720.87	8	361.03	8	25.51	8	8	8	8	8	8	8	8
1/4	1,795.88	1/4	1,434.91	1/4	1,074.11	1/4	713.35	1/4	353.66	1/4	21.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,788.36	1/2	1,427.39	1/2	1,066.60	1/2	705.83	1/2	346.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,780.84	3/4	1,419.87	3/4	1,059.09	3/4	698.31	3/4	338.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,773.32	9	1,412.35	9	1,051.58	9	690.79	9	331.54	9		9	9	9	9	9	9	9	9
1/4	1,765.80	1/4	1,404.83	1/4	1,044.06	1/4	683.27	1/4	324.17	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,758.28	1/2	1,397.31	1/2	1,036.55	1/2	675.75	1/2	316.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,750.76	3/4	1,389.79	3/4	1,029.04	3/4	668.23	3/4	309.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,743.24	10	1,382.27	10	1,021.53	10	660.71	10	302.05	10		10	10	10	10	10	10	10	10
1/4	1,735.72	1/4	1,374.75	1/4	1,014.02	1/4	653.19	1/4	294.68	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,728.20	1/2	1,367.23	1/2	1,006.51	1/2	645.67	1/2	287.31	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,720.68	3/4	1,359.71	3/4	999.00	3/4	638.15	3/4	279.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,713.16	11	1,352.19	11	991.49	11	630.63	11	272.56	11		11	11	11	11	11	11	11	11
1/4	1,705.64	1/4	1,344.67	1/4	983.98	1/4	623.11	1/4	265.19	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,698.12	1/2	1,337.15	1/2	976.47	1/2	615.60	1/2	257.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,690.60	3/4	1,329.63	3/4	968.96	3/4	608.08	3/4	250.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2020 CL
CALCULATED: 07/28/2020 CL
PRINTED: 07/28/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2020

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



BARGE "EMS 520"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	0	4,205.24	0	4,039.33	0	3,854.81	0	3,661.54	0	3,459.69	0	3,102.06	0	2,743.39	0	2,385.56
1/4		1/4		1/4	4,201.98	1/4	4,035.68	1/4	3,850.78	1/4	3,657.52	1/4	3,452.24	1/4	3,094.59	1/4	2,735.91	1/4	2,378.07
1/2		1/2		1/2	4,364.14	1/2	4,198.71	1/2	4,032.03	1/2	3,846.76	1/2	3,653.49	1/2	3,444.78	1/2	3,087.11	1/2	2,728.43
3/4		3/4		3/4	4,362.50	3/4	4,195.42	3/4	4,028.34	3/4	3,842.73	3/4	3,649.46	3/4	3,437.32	3/4	3,079.64	3/4	2,721.05
1	1	1	1	1	4,360.86	1	4,192.13	1	4,024.65	1	3,838.71	1	3,645.44	1	3,429.86	1	3,072.16	1	2,713.67
1/4		1/4		1/4	4,359.21	1/4	4,188.83	1/4	4,020.97	1/4	3,834.68	1/4	3,641.41	1/4	3,422.41	1/4	3,064.69	1/4	2,706.28
1/2		1/2		1/2	4,357.57	1/2	4,185.54	1/2	4,017.28	1/2	3,830.66	1/2	3,637.38	1/2	3,414.95	1/2	3,057.21	1/2	2,698.90
3/4		3/4		3/4	4,354.71	3/4	4,182.22	3/4	4,013.56	3/4	3,826.63	3/4	3,633.36	3/4	3,407.49	3/4	3,049.74	3/4	2,691.52
2	2	2	2	2	4,351.85	2	4,178.89	2	4,009.84	2	3,822.60	2	3,629.33	2	3,400.03	2	3,042.27	2	2,684.14
1/4		1/4		1/4	4,348.99	1/4	4,175.57	1/4	4,006.12	1/4	3,818.58	1/4	3,625.30	1/4	3,392.58	1/4	3,034.81	1/4	2,676.76
1/2		1/2		1/2	4,346.13	1/2	4,172.25	1/2	4,002.40	1/2	3,814.55	1/2	3,621.28	1/2	3,385.12	1/2	3,027.34	1/2	2,669.37
3/4		3/4		3/4	4,342.29	3/4	4,168.89	3/4	3,998.65	3/4	3,810.52	3/4	3,617.25	3/4	3,377.66	3/4	3,019.87	3/4	2,661.99
3	3	3	3	3	4,338.46	3	4,165.54	3	3,994.90	3	3,806.50	3	3,613.22	3	3,370.20	3	3,012.40	3	2,654.61
1/4		1/4		1/4	4,334.62	1/4	4,162.19	1/4	3,991.15	1/4	3,802.47	1/4	3,609.20	1/4	3,362.75	1/4	3,004.93	1/4	2,647.23
1/2		1/2		1/2	4,330.78	1/2	4,158.83	1/2	3,987.40	1/2	3,798.44	1/2	3,605.17	1/2	3,355.29	1/2	2,997.46	1/2	2,639.84
3/4		3/4		3/4	4,326.81	3/4	4,155.44	3/4	3,983.62	3/4	3,794.42	3/4	3,601.14	3/4	3,347.83	3/4	2,990.00	3/4	2,632.45
4	4	4	4	4	4,322.83	4	4,152.06	4	3,979.84	4	3,790.39	4	3,597.12	4	3,340.37	4	2,982.53	4	2,625.05
1/4		1/4		1/4	4,318.86	1/4	4,148.67	1/4	3,976.06	1/4	3,786.36	1/4	3,593.09	1/4	3,332.92	1/4	2,975.06	1/4	2,617.66
1/2		1/2		1/2	4,314.88	1/2	4,145.28	1/2	3,972.28	1/2	3,782.34	1/2	3,589.07	1/2	3,325.46	1/2	2,967.59	1/2	2,610.26
3/4		3/4		3/4	4,310.91	3/4	4,141.86	3/4	3,968.47	3/4	3,778.31	3/4	3,585.04	3/4	3,318.00	3/4	2,960.12	3/4	2,602.77
5	5	5	5	5	4,306.94	5	4,138.44	5	3,964.65	5	3,774.28	5	3,581.01	5	3,310.55	5	2,952.65	5	2,595.28
1/4		1/4		1/4	4,302.96	1/4	4,135.02	1/4	3,960.84	1/4	3,770.26	1/4	3,576.99	1/4	3,303.09	1/4	2,945.18	1/4	2,587.80
1/2		1/2		1/2	4,298.99	1/2	4,131.60	1/2	3,957.03	1/2	3,766.23	1/2	3,572.96	1/2	3,295.64	1/2	2,937.72	1/2	2,580.31
3/4		3/4		3/4	4,295.02	3/4	4,128.15	3/4	3,953.18	3/4	3,762.20	3/4	3,568.93	3/4	3,288.20	3/4	2,930.25	3/4	2,572.82
6	6	6	6	6	4,291.04	6	4,124.70	6	3,949.33	6	3,758.18	6	3,564.91	6	3,280.75	6	2,922.78	6	2,565.33
1/4		1/4		1/4	4,287.07	1/4	4,121.25	1/4	3,945.48	1/4	3,754.15	1/4	3,560.88	1/4	3,273.31	1/4	2,915.31	1/4	2,557.84
1/2		1/2		1/2	4,283.10	1/2	4,117.80	1/2	3,941.64	1/2	3,750.13	1/2	3,556.85	1/2	3,265.87	1/2	2,907.84	1/2	2,550.35
3/4		3/4		3/4	4,279.12	3/4	4,114.31	3/4	3,937.76	3/4	3,746.10	3/4	3,552.83	3/4	3,258.43	3/4	2,900.37	3/4	2,542.86
7	7	7	7	7	4,275.15	7	4,110.83	7	3,933.88	7	3,742.07	7	3,548.80	7	3,250.99	7	2,892.90	7	2,535.37
1/4		1/4		1/4	4,271.17	1/4	4,107.35	1/4	3,930.01	1/4	3,738.05	1/4	3,544.77	1/4	3,243.54	1/4	2,885.43	1/4	2,527.87
1/2		1/2		1/2	4,267.20	1/2	4,103.86	1/2	3,926.13	1/2	3,734.02	1/2	3,540.75	1/2	3,236.10	1/2	2,877.96	1/2	2,520.38
3/4		3/4		3/4	4,263.28	3/4	4,100.34	3/4	3,922.22	3/4	3,729.99	3/4	3,536.72	3/4	3,228.66	3/4	2,870.49	3/4	2,512.89
8	8	8	8	8	4,259.36	8	4,096.81	8	3,918.32	8	3,725.97	8	3,532.69	8	3,221.22	8	2,863.01	8	2,505.40
1/4		1/4		1/4	4,255.44	1/4	4,093.28	1/4	3,914.41	1/4	3,721.94	1/4	3,528.67	1/4	3,213.78	1/4	2,855.54	1/4	2,497.91
1/2		1/2		1/2	4,251.52	1/2	4,089.75	1/2	3,910.50	1/2	3,717.91	1/2	3,524.64	1/2	3,206.34	1/2	2,848.06	1/2	2,490.42
3/4		3/4		3/4	4,248.01	3/4	4,086.19	3/4	3,906.56	3/4	3,713.89	3/4	3,520.61	3/4	3,198.89	3/4	2,840.58	3/4	2,482.93
9	9	9	9	9	4,244.49	9	4,082.62	9	3,902.63	9	3,709.86	9	3,516.59	9	3,191.45	9	2,833.11	9	2,475.44
1/4		1/4		1/4	4,240.98	1/4	4,079.06	1/4	3,898.69	1/4	3,705.83	1/4	3,512.56	1/4	3,184.01	1/4	2,825.63	1/4	2,467.95
1/2		1/2		1/2	4,237.47	1/2	4,075.50	1/2	3,894.75	1/2	3,701.81	1/2	3,508.54	1/2	3,176.57	1/2	2,818.16	1/2	2,460.46
3/4		3/4		3/4	4,234.28	3/4	4,071.91	3/4	3,890.78	3/4	3,697.78	3/4	3,504.51	3/4	3,169.13	3/4	2,810.68	3/4	2,452.97
10	10	10	10	10	4,231.08	10	4,068.31	10	3,886.81	10	3,693.75	10	3,500.48	10	3,161.68	10	2,803.20	10	2,445.48
1/4		1/4		1/4	4,227.88	1/4	4,064.72	1/4	3,882.84	1/4	3,689.73	1/4	3,496.46	1/4	3,154.24	1/4	2,795.73	1/4	2,437.99
1/2		1/2		1/2	4,224.69	1/2	4,061.13	1/2	3,878.87	1/2	3,685.70	1/2	3,492.43	1/2	3,146.80	1/2	2,788.25	1/2	2,430.50
3/4		3/4		3/4	4,221.46	3/4	4,057.51	3/4	3,874.86	3/4	3,681.67	3/4	3,487.97	3/4	3,139.35	3/4	2,780.77	3/4	2,423.01
11	11	11	11	11	4,218.23	11	4,053.88	11	3,870.86	11	3,677.65	11	3,483.52	11	3,131.91	11	2,773.30	11	2,415.52
1/4		1/4		1/4	4,215.00	1/4	4,050.26	1/4	3,866.86	1/4	3,673.62	1/4	3,479.06	1/4	3,124.46	1/4	2,765.82	1/4	2,408.03
1/2		1/2		1/2	4,211.77	1/2	4,046.64	1/2	3,862.86	1/2	3,669.60	1/2	3,474.61	1/2	3,117.02	1/2	2,758.34	1/2	2,400.54
3/4		3/4		3/4	4,208.50	3/4	4,042.99	3/4	3,858.83	3/4	3,665.57	3/4	3,467.15	3/4	3,109.54	3/4	2,750.86	3/4	2,393.05

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD

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



BARGE "EMS 520"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	2,026.03	0	1,666.42	0	1,308.19	0	958.90	0	606.01	0	249.62	0		0		0		0	
1/4	2,018.54	1/4	1,658.93	1/4	1,300.76	1/4	951.74	1/4	598.51	1/4	242.27	1/4		1/4		1/4		1/4	
1/2	2,011.05	1/2	1,651.43	1/2	1,293.33	1/2	944.58	1/2	591.02	1/2	234.92	1/2		1/2		1/2		1/2	
3/4	2,003.56	3/4	1,643.94	3/4	1,285.90	3/4	937.43	3/4	583.52	3/4	227.58	3/4		3/4		3/4		3/4	
1	1,996.07	1	1,636.45	1	1,278.47	1	930.27	1	576.03	1	220.23	1		1		1		1	
1/4	1,988.57	1/4	1,628.96	1/4	1,271.04	1/4	923.11	1/4	568.54	1/4	212.89	1/4		1/4		1/4		1/4	
1/2	1,981.08	1/2	1,621.47	1/2	1,263.61	1/2	915.96	1/2	561.04	1/2	205.54	1/2		1/2		1/2		1/2	
3/4	1,973.59	3/4	1,613.97	3/4	1,256.18	3/4	908.79	3/4	553.55	3/4	198.18	3/4		3/4		3/4		3/4	
2	1,966.10	2	1,606.48	2	1,248.75	2	901.63	2	546.05	2	190.81	2		2		2		2	
1/4	1,958.61	1/4	1,598.99	1/4	1,241.33	1/4	894.47	1/4	538.56	1/4	183.45	1/4		1/4		1/4		1/4	
1/2	1,951.11	1/2	1,591.50	1/2	1,233.90	1/2	887.31	1/2	531.07	1/2	176.09	1/2		1/2		1/2		1/2	
3/4	1,943.62	3/4	1,584.01	3/4	1,226.48	3/4	880.13	3/4	523.57	3/4	168.61	3/4		3/4		3/4		3/4	
3	1,936.13	3	1,576.51	3	1,219.07	3	872.94	3	516.08	3	161.13	3		3		3		3	
1/4	1,928.64	1/4	1,569.02	1/4	1,211.66	1/4	865.76	1/4	508.58	1/4	153.65	1/4		1/4		1/4		1/4	
1/2	1,921.15	1/2	1,561.53	1/2	1,204.24	1/2	858.58	1/2	501.09	1/2	146.17	1/2		1/2		1/2		1/2	
3/4	1,913.65	3/4	1,554.04	3/4	1,196.83	3/4	851.39	3/4	493.60	3/4	138.68	3/4		3/4		3/4		3/4	
4	1,906.16	4	1,546.55	4	1,189.41	4	844.21	4	486.10	4	131.20	4		4		4		4	
1/4	1,898.67	1/4	1,539.05	1/4	1,182.00	1/4	837.02	1/4	478.61	1/4	123.71	1/4		1/4		1/4		1/4	
1/2	1,891.18	1/2	1,531.56	1/2	1,174.59	1/2	829.84	1/2	471.11	1/2	116.23	1/2		1/2		1/2		1/2	
3/4	1,883.69	3/4	1,524.07	3/4	1,167.18	3/4	822.59	3/4	463.62	3/4	108.83	3/4		3/4		3/4		3/4	
5	1,876.19	5	1,516.58	5	1,159.78	5	815.34	5	456.13	5	101.43	5		5		5		5	
1/4	1,868.70	1/4	1,509.09	1/4	1,152.37	1/4	808.10	1/4	448.63	1/4	94.03	1/4		1/4		1/4		1/4	
1/2	1,861.21	1/2	1,501.59	1/2	1,144.97	1/2	800.85	1/2	441.14	1/2	86.63	1/2		1/2		1/2		1/2	
3/4	1,853.72	3/4	1,494.11	3/4	1,137.81	3/4	793.36	3/4	433.66	3/4	79.94	3/4		3/4		3/4		3/4	
6	1,846.23	6	1,486.62	6	1,130.66	6	785.86	6	426.19	6	73.25	6		6		6		6	
1/4	1,838.73	1/4	1,479.14	1/4	1,123.50	1/4	778.37	1/4	418.71	1/4	66.56	1/4		1/4		1/4		1/4	
1/2	1,831.24	1/2	1,471.66	1/2	1,116.34	1/2	770.87	1/2	411.24	1/2	59.88	1/2		1/2		1/2		1/2	
3/4	1,823.75	3/4	1,464.23	3/4	1,109.19	3/4	763.38	3/4	403.89	3/4	54.43	3/4		3/4		3/4		3/4	
7	1,816.26	7	1,456.80	7	1,102.03	7	755.89	7	396.55	7	48.98	7		7		7		7	
1/4	1,808.77	1/4	1,449.37	1/4	1,094.87	1/4	748.39	1/4	389.20	1/4	43.53	1/4		1/4		1/4		1/4	
1/2	1,801.27	1/2	1,441.94	1/2	1,087.72	1/2	740.90	1/2	381.85	1/2	38.08	1/2		1/2		1/2		1/2	
3/4	1,793.78	3/4	1,434.51	3/4	1,080.56	3/4	733.40	3/4	374.51	3/4	33.88	3/4		3/4		3/4		3/4	
8	1,786.29	8	1,427.07	8	1,073.40	8	725.91	8	367.16	8	29.67	8		8		8		8	
1/4	1,778.80	1/4	1,419.64	1/4	1,066.25	1/4	718.42	1/4	359.81	1/4	25.46	1/4		1/4		1/4		1/4	
1/2	1,771.31	1/2	1,412.21	1/2	1,059.09	1/2	710.92	1/2	352.47	1/2	21.25	1/2		1/2		1/2		1/2	
3/4	1,763.81	3/4	1,404.78	3/4	1,051.93	3/4	703.43	3/4	345.12	3/4		3/4		3/4		3/4		3/4	
9	1,756.32	9	1,397.35	9	1,044.78	9	695.93	9	337.77	9		9		9		9		9	
1/4	1,748.83	1/4	1,389.92	1/4	1,037.62	1/4	688.44	1/4	330.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,741.34	1/2	1,382.49	1/2	1,030.46	1/2	680.95	1/2	323.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,733.85	3/4	1,375.06	3/4	1,023.31	3/4	673.45	3/4	315.74	3/4		3/4		3/4		3/4		3/4	
10	1,726.35	10	1,367.63	10	1,016.15	10	665.96	10	308.39	10		10		10		10		10	
1/4	1,718.86	1/4	1,360.20	1/4	1,008.99	1/4	658.46	1/4	301.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,711.37	1/2	1,352.77	1/2	1,001.84	1/2	650.97	1/2	293.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,703.88	3/4	1,345.34	3/4	994.68	3/4	643.48	3/4	286.35	3/4		3/4		3/4		3/4		3/4	
11	1,696.39	11	1,337.91	11	987.52	11	635.98	11	279.00	11		11		11		11		11	
1/4	1,688.89	1/4	1,330.48	1/4	980.37	1/4	628.49	1/4	271.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,681.40	1/2	1,323.05	1/2	973.21	1/2	620.99	1/2	264.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,673.91	3/4	1,315.62	3/4	966.05	3/4	613.50	3/4	256.96	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2020 CL
CALCULATED: 07/28/2020 CL
PRINTED: 07/28/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2020

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