



BARGE "MPX 412"

INNAGE (HERMETIC)

	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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-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 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

January 7, 2021

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

<http://www.pmacorp.net>



BARGE "MPX 412"

1 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	14.64	0	290.63	0	624.91	0	965.60	0	1,307.27	0	1,649.77	0	1,992.27	0	2,334.77	0	2,677.26	0	3,019.71
1/4	17.55	1/4	297.22	1/4	632.04	1/4	972.68	1/4	1,314.41	1/4	1,656.90	1/4	1,999.40	1/4	2,341.90	1/4	2,684.40	1/4	3,026.85
1/2	20.47	1/2	303.82	1/2	639.18	1/2	979.75	1/2	1,321.54	1/2	1,664.04	1/2	2,006.54	1/2	2,349.04	1/2	2,691.53	1/2	3,033.98
3/4	23.39	3/4	310.41	3/4	646.31	3/4	986.83	3/4	1,328.68	3/4	1,671.18	3/4	2,013.67	3/4	2,356.17	3/4	2,698.66	3/4	3,041.11
1	26.30	1	317.00	1	653.45	1	993.90	1	1,335.81	1	1,678.31	1	2,020.81	1	2,363.31	1	2,705.80	1	3,048.25
1/4	31.09	1/4	323.68	1/4	660.58	1/4	1,000.98	1/4	1,342.95	1/4	1,685.45	1/4	2,027.95	1/4	2,370.44	1/4	2,712.93	1/4	3,055.38
1/2	35.87	1/2	330.36	1/2	667.72	1/2	1,008.05	1/2	1,350.08	1/2	1,692.58	1/2	2,035.08	1/2	2,377.58	1/2	2,720.07	1/2	3,062.51
3/4	40.65	3/4	337.03	3/4	674.85	3/4	1,015.13	3/4	1,357.22	3/4	1,699.72	3/4	2,042.22	3/4	2,384.72	3/4	2,727.20	3/4	3,069.65
2	45.43	2	343.71	2	681.99	2	1,022.20	2	1,364.35	2	1,706.85	2	2,049.35	2	2,391.85	2	2,734.34	2	3,076.78
1/4	51.16	1/4	350.47	1/4	689.12	1/4	1,029.28	1/4	1,371.49	1/4	1,713.99	1/4	2,056.49	1/4	2,398.99	1/4	2,741.47	1/4	3,083.91
1/2	56.88	1/2	357.23	1/2	696.26	1/2	1,036.37	1/2	1,378.62	1/2	1,721.12	1/2	2,063.62	1/2	2,406.12	1/2	2,748.61	1/2	3,091.04
3/4	62.61	3/4	363.99	3/4	703.39	3/4	1,043.45	3/4	1,385.76	3/4	1,728.26	3/4	2,070.76	3/4	2,413.26	3/4	2,755.74	3/4	3,098.18
3	68.33	3	370.75	3	710.53	3	1,050.53	3	1,392.90	3	1,735.39	3	2,077.89	3	2,420.39	3	2,762.88	3	3,105.31
1/4	74.16	1/4	377.59	1/4	717.66	1/4	1,057.63	1/4	1,400.03	1/4	1,742.53	1/4	2,085.03	1/4	2,427.53	1/4	2,770.01	1/4	3,112.44
1/2	79.99	1/2	384.44	1/2	724.80	1/2	1,064.74	1/2	1,407.17	1/2	1,749.67	1/2	2,092.16	1/2	2,434.66	1/2	2,777.15	1/2	3,119.58
3/4	85.83	3/4	391.28	3/4	731.93	3/4	1,071.84	3/4	1,414.30	3/4	1,756.80	3/4	2,099.30	3/4	2,441.80	3/4	2,784.28	3/4	3,126.71
4	91.66	4	398.12	4	739.07	4	1,078.94	4	1,421.44	4	1,763.94	4	2,106.44	4	2,448.93	4	2,791.41	4	3,133.84
1/4	97.58	1/4	405.05	1/4	746.17	1/4	1,086.07	1/4	1,428.57	1/4	1,771.07	1/4	2,113.57	1/4	2,456.07	1/4	2,798.55	1/4	3,140.97
1/2	103.51	1/2	411.98	1/2	753.27	1/2	1,093.21	1/2	1,435.71	1/2	1,778.21	1/2	2,120.71	1/2	2,463.21	1/2	2,805.68	1/2	3,148.11
3/4	109.43	3/4	418.90	3/4	760.37	3/4	1,100.34	3/4	1,442.84	3/4	1,785.34	3/4	2,127.84	3/4	2,470.34	3/4	2,812.82	3/4	3,155.24
5	115.36	5	425.83	5	767.47	5	1,107.48	5	1,449.98	5	1,792.48	5	2,134.98	5	2,477.48	5	2,819.95	5	3,162.37
1/4	121.37	1/4	432.84	1/4	774.55	1/4	1,114.61	1/4	1,457.11	1/4	1,799.61	1/4	2,142.11	1/4	2,484.61	1/4	2,827.09	1/4	3,169.51
1/2	127.38	1/2	439.84	1/2	781.64	1/2	1,121.75	1/2	1,464.25	1/2	1,806.75	1/2	2,149.25	1/2	2,491.75	1/2	2,834.22	1/2	3,176.64
3/4	133.39	3/4	446.85	3/4	788.72	3/4	1,128.89	3/4	1,471.38	3/4	1,813.88	3/4	2,156.38	3/4	2,498.88	3/4	2,841.36	3/4	3,183.77
6	139.40	6	453.85	6	795.80	6	1,136.02	6	1,478.52	6	1,821.02	6	2,163.52	6	2,506.02	6	2,848.49	6	3,190.90
1/4	145.49	1/4	460.94	1/4	802.88	1/4	1,143.16	1/4	1,485.66	1/4	1,828.15	1/4	2,170.65	1/4	2,513.15	1/4	2,855.63	1/4	3,198.04
1/2	151.58	1/2	468.03	1/2	809.95	1/2	1,150.29	1/2	1,492.79	1/2	1,835.29	1/2	2,177.79	1/2	2,520.29	1/2	2,862.76	1/2	3,205.17
3/4	157.68	3/4	475.12	3/4	817.03	3/4	1,157.43	3/4	1,499.93	3/4	1,842.43	3/4	2,184.92	3/4	2,527.42	3/4	2,869.89	3/4	3,212.30
7	163.77	7	482.20	7	824.10	7	1,164.56	7	1,507.06	7	1,849.56	7	2,192.06	7	2,534.56	7	2,877.03	7	3,219.44
1/4	169.94	1/4	489.34	1/4	831.18	1/4	1,171.70	1/4	1,514.20	1/4	1,856.70	1/4	2,199.20	1/4	2,541.69	1/4	2,884.16	1/4	3,226.57
1/2	176.12	1/2	496.47	1/2	838.25	1/2	1,178.83	1/2	1,521.33	1/2	1,863.83	1/2	2,206.33	1/2	2,548.83	1/2	2,891.30	1/2	3,233.70
3/4	182.30	3/4	503.61	3/4	845.33	3/4	1,185.97	3/4	1,528.47	3/4	1,870.97	3/4	2,213.47	3/4	2,555.97	3/4	2,898.43	3/4	3,240.83
8	188.47	8	510.74	8	852.40	8	1,193.10	8	1,535.60	8	1,878.10	8	2,220.60	8	2,563.10	8	2,905.57	8	3,247.97
1/4	194.73	1/4	517.88	1/4	859.48	1/4	1,200.24	1/4	1,542.74	1/4	1,885.24	1/4	2,227.74	1/4	2,570.24	1/4	2,912.70	1/4	3,255.10
1/2	200.99	1/2	525.02	1/2	866.55	1/2	1,207.37	1/2	1,549.87	1/2	1,892.37	1/2	2,234.87	1/2	2,577.37	1/2	2,919.84	1/2	3,262.23
3/4	207.25	3/4	532.15	3/4	873.63	3/4	1,214.51	3/4	1,557.01	3/4	1,899.51	3/4	2,242.01	3/4	2,584.51	3/4	2,926.97	3/4	3,269.37
9	213.51	9	539.29	9	880.70	9	1,221.65	9	1,564.14	9	1,906.64	9	2,249.14	9	2,591.64	9	2,934.11	9	3,276.50
1/4	219.86	1/4	546.42	1/4	887.78	1/4	1,228.78	1/4	1,571.28	1/4	1,913.78	1/4	2,256.28	1/4	2,598.78	1/4	2,941.24	1/4	3,283.63
1/2	226.20	1/2	553.56	1/2	894.85	1/2	1,235.92	1/2	1,578.42	1/2	1,920.91	1/2	2,263.41	1/2	2,605.91	1/2	2,948.38	1/2	3,290.76
3/4	232.54	3/4	560.69	3/4	901.93	3/4	1,243.05	3/4	1,585.55	3/4	1,928.05	3/4	2,270.55	3/4	2,613.05	3/4	2,955.51	3/4	3,297.90
10	238.89	10	567.83	10	909.00	10	1,250.19	10	1,592.69	10	1,935.19	10	2,277.68	10	2,620.18	10	2,962.64	10	3,305.03
1/4	245.31	1/4	574.96	1/4	916.08	1/4	1,257.32	1/4	1,599.82	1/4	1,942.32	1/4	2,284.82	1/4	2,627.32	1/4	2,969.78	1/4	3,312.16
1/2	251.74	1/2	582.10	1/2	923.15	1/2	1,264.46	1/2	1,606.96	1/2	1,949.46	1/2	2,291.96	1/2	2,634.45	1/2	2,976.91	1/2	3,319.30
3/4	258.16	3/4	589.23	3/4	930.23	3/4	1,271.59	3/4	1,614.09	3/4	1,956.59	3/4	2,299.09	3/4	2,641.59	3/4	2,984.05	3/4	3,326.43
11	264.59	11	596.37	11	937.30	11	1,278.73	11	1,621.23	11	1,963.73	11	2,306.23	11	2,648.72	11	2,991.18	11	3,333.56
1/4	271.10	1/4	603.50	1/4	944.38	1/4	1,285.86	1/4	1,628.36	1/4	1,970.86	1/4	2,313.36	1/4	2,655.86	1/4	2,998.32	1/4	3,340.70
1/2	277.61	1/2	610.64	1/2	951.45	1/2	1,293.00	1/2	1,635.50	1/2	1,978.00	1/2	2,320.50	1/2	2,662.99	1/2	3,005.45	1/2	3,347.83
3/4	284.12	3/4	617.77	3/4	958.53	3/4	1,300.14	3/4	1,642.63	3/4	1,985.13	3/4	2,327.63	3/4	2,670.13	3/4	3,012.58	3/4	3,354.96

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "MPX 412"

**1 PORT
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,362.09	0	3,704.50	0	4,046.97	0	4,388.80	0	4,729.71	0		0		0		0		0	
1/4	3,369.23	1/4	3,711.63	1/4	4,054.11	1/4	4,395.90	1/4	4,736.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,376.36	1/2	3,718.77	1/2	4,061.24	1/2	4,403.00	1/2	4,743.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,383.49	3/4	3,725.90	3/4	4,068.38	3/4	4,410.10	3/4	4,751.01	3/4		3/4		3/4		3/4		3/4	
1	3,390.63	1	3,733.04	1	4,075.51	1	4,417.20	1	4,758.12	1		1		1		1		1	
1/4	3,397.76	1/4	3,740.17	1/4	4,082.65	1/4	4,424.31	1/4	4,765.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,404.89	1/2	3,747.31	1/2	4,089.78	1/2	4,431.41	1/2	4,772.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,412.02	3/4	3,754.44	3/4	4,096.92	3/4	4,438.51	3/4	4,779.42	3/4		3/4		3/4		3/4		3/4	
2	3,419.16	2	3,761.58	2	4,104.05	2	4,445.61	2	4,786.52	2		2		2		2		2	
1/4	3,426.29	1/4	3,768.71	1/4	4,111.19	1/4	4,452.72	1/4	4,793.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,433.42	1/2	3,775.85	1/2	4,118.32	1/2	4,459.82	1/2	4,800.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,440.56	3/4	3,782.98	3/4	4,125.46	3/4	4,466.92	3/4	4,807.83	3/4		3/4		3/4		3/4		3/4	
3	3,447.69	3	3,790.12	3	4,132.59	3	4,474.02	3	4,814.93	3		3		3		3		3	
1/4	3,454.82	1/4	3,797.25	1/4	4,139.73	1/4	4,481.13	1/4	4,821.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,461.95	1/2	3,804.39	1/2	4,146.86	1/2	4,488.23	1/2	4,829.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,469.09	3/4	3,811.52	3/4	4,154.00	3/4	4,495.33	3/4	4,836.11	3/4		3/4		3/4		3/4		3/4	
4	3,476.22	4	3,818.66	4	4,161.13	4	4,502.43	4	4,843.16	4		4		4		4		4	
1/4	3,483.35	1/4	3,825.79	1/4	4,168.27	1/4	4,509.53	1/4	4,850.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,490.49	1/2	3,832.93	1/2	4,175.40	1/2	4,516.64	1/2	4,857.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,497.62	3/4	3,840.06	3/4	4,182.54	3/4	4,523.74	3/4	4,864.34	3/4		3/4		3/4		3/4		3/4	
5	3,504.75	5	3,847.20	5	4,189.67	5	4,530.84	5	4,871.40	5		5		5		5		5	
1/4	3,511.88	1/4	3,854.33	1/4	4,196.81	1/4	4,537.94	1/4	4,878.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,519.02	1/2	3,861.46	1/2	4,203.94	1/2	4,545.05	1/2	4,885.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,526.15	3/4	3,868.60	3/4	4,211.08	3/4	4,552.15	3/4	4,892.57	3/4		3/4		3/4		3/4		3/4	
6	3,533.28	6	3,875.73	6	4,218.21	6	4,559.25	6	4,899.62	6		6		6		6		6	
1/4	3,540.42	1/4	3,882.87	1/4	4,225.34	1/4	4,566.35	1/4	4,906.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,547.55	1/2	3,890.00	1/2	4,232.48	1/2	4,573.46	1/2	4,913.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,554.68	3/4	3,897.14	3/4	4,239.61	3/4	4,580.56	3/4	4,920.75	3/4		3/4		3/4		3/4		3/4	
7	3,561.82	7	3,904.27	7	4,246.75	7	4,587.66	7	4,927.80	7		7		7		7		7	
1/4	3,568.95	1/4	3,911.41	1/4	4,253.85	1/4	4,594.76	1/4	4,934.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,576.08	1/2	3,918.54	1/2	4,260.95	1/2	4,601.86	1/2	4,941.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,583.21	3/4	3,925.68	3/4	4,268.06	3/4	4,608.97	3/4	4,948.76	3/4		3/4		3/4		3/4		3/4	
8	3,590.35	8	3,932.81	8	4,275.16	8	4,616.07	8	4,955.75	8		8		8		8		8	
1/4	3,597.48	1/4	3,939.95	1/4	4,282.26	1/4	4,623.17	1/4	4,961.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,604.61	1/2	3,947.08	1/2	4,289.36	1/2	4,630.27	1/2	4,968.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,611.75	3/4	3,954.22	3/4	4,296.47	3/4	4,637.38	3/4	4,974.25	3/4		3/4		3/4		3/4		3/4	
9	3,618.88	9	3,961.35	9	4,303.57	9	4,644.48	9	4,980.41	9		9		9		9		9	
1/4	3,626.01	1/4	3,968.49	1/4	4,310.67	1/4	4,651.58	1/4	4,985.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,633.15	1/2	3,975.62	1/2	4,317.77	1/2	4,658.68	1/2	4,990.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,640.28	3/4	3,982.76	3/4	4,324.87	3/4	4,665.79	3/4	4,995.34	3/4		3/4		3/4		3/4		3/4	
10	3,647.42	10	3,989.89	10	4,331.98	10	4,672.89	10	5,000.32	10		10		10		10		10	
1/4	3,654.55	1/4	3,997.03	1/4	4,339.08	1/4	4,679.99	1/4	5,004.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,661.69	1/2	4,004.16	1/2	4,346.18	1/2	4,687.09	1/2	5,007.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,668.82	3/4	4,011.30	3/4	4,353.28	3/4	4,694.19	3/4	5,011.68	3/4		3/4		3/4		3/4		3/4	
11	3,675.96	11	4,018.43	11	4,360.39	11	4,701.30	11	5,015.47	11		11		11		11		11	
1/4	3,683.09	1/4	4,025.57	1/4	4,367.49	1/4	4,708.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,690.23	1/2	4,032.70	1/2	4,374.59	1/2	4,715.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,697.36	3/4	4,039.84	3/4	4,381.69	3/4	4,722.60	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2021 CL
CALCULATED: 01/08/2021 CL
PRINTED: 01/08/2021 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2021



BARGE "MPX 412"

1 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	14.67	0	291.20	0	626.22	0	969.22	0	1,312.37	0	1,655.59	0	1,998.82	0	2,342.04	0	2,685.26	0	3,028.44
1/4	17.59	1/4	297.81	1/4	633.37	1/4	976.36	1/4	1,319.52	1/4	1,662.74	1/4	2,005.97	1/4	2,349.19	1/4	2,692.41	1/4	3,035.59
1/2	20.51	1/2	304.42	1/2	640.52	1/2	983.50	1/2	1,326.67	1/2	1,669.89	1/2	2,013.12	1/2	2,356.34	1/2	2,699.56	1/2	3,042.74
3/4	23.43	3/4	311.03	3/4	647.67	3/4	990.65	3/4	1,333.82	3/4	1,677.04	3/4	2,020.27	3/4	2,363.49	3/4	2,706.71	3/4	3,049.89
1	26.35	1	317.63	1	654.82	1	997.79	1	1,340.97	1	1,684.20	1	2,027.42	1	2,370.64	1	2,713.86	1	3,057.04
1/4	31.15	1/4	324.32	1/4	661.97	1/4	1,004.93	1/4	1,348.12	1/4	1,691.35	1/4	2,034.57	1/4	2,377.79	1/4	2,721.01	1/4	3,064.18
1/2	35.94	1/2	331.01	1/2	669.12	1/2	1,012.07	1/2	1,355.27	1/2	1,698.50	1/2	2,041.72	1/2	2,384.94	1/2	2,728.16	1/2	3,071.33
3/4	40.73	3/4	337.70	3/4	676.27	3/4	1,019.21	3/4	1,362.42	3/4	1,705.65	3/4	2,048.87	3/4	2,392.09	3/4	2,735.31	3/4	3,078.48
2	45.52	2	344.39	2	683.42	2	1,026.35	2	1,369.57	2	1,712.80	2	2,056.02	2	2,399.25	2	2,742.46	2	3,085.63
1/4	51.26	1/4	351.17	1/4	690.57	1/4	1,033.50	1/4	1,376.72	1/4	1,719.95	1/4	2,063.17	1/4	2,406.40	1/4	2,749.61	1/4	3,092.78
1/2	56.99	1/2	357.94	1/2	697.72	1/2	1,040.65	1/2	1,383.87	1/2	1,727.10	1/2	2,070.32	1/2	2,413.55	1/2	2,756.76	1/2	3,099.92
3/4	62.72	3/4	364.71	3/4	704.87	3/4	1,047.80	3/4	1,391.02	3/4	1,734.25	3/4	2,077.47	3/4	2,420.70	3/4	2,763.91	3/4	3,107.07
3	68.46	3	371.49	3	712.02	3	1,054.95	3	1,398.18	3	1,741.40	3	2,084.62	3	2,427.85	3	2,771.06	3	3,114.22
1/4	74.30	1/4	378.35	1/4	719.17	1/4	1,062.10	1/4	1,405.33	1/4	1,748.55	1/4	2,091.77	1/4	2,435.00	1/4	2,778.21	1/4	3,121.37
1/2	80.15	1/2	385.20	1/2	726.32	1/2	1,069.25	1/2	1,412.48	1/2	1,755.70	1/2	2,098.92	1/2	2,442.15	1/2	2,785.36	1/2	3,128.52
3/4	85.99	3/4	392.06	3/4	733.47	3/4	1,076.40	3/4	1,419.63	3/4	1,762.85	3/4	2,106.07	3/4	2,449.30	3/4	2,792.51	3/4	3,135.66
4	91.83	4	398.92	4	740.62	4	1,083.55	4	1,426.78	4	1,770.00	4	2,113.23	4	2,456.45	4	2,799.66	4	3,142.81
1/4	97.77	1/4	405.86	1/4	747.77	1/4	1,090.70	1/4	1,433.93	1/4	1,777.15	1/4	2,120.38	1/4	2,463.60	1/4	2,806.81	1/4	3,149.96
1/2	103.71	1/2	412.80	1/2	754.92	1/2	1,097.85	1/2	1,441.08	1/2	1,784.30	1/2	2,127.53	1/2	2,470.75	1/2	2,813.96	1/2	3,157.11
3/4	109.64	3/4	419.74	3/4	762.07	3/4	1,105.00	3/4	1,448.23	3/4	1,791.45	3/4	2,134.68	3/4	2,477.90	3/4	2,821.11	3/4	3,164.26
5	115.58	5	426.68	5	769.23	5	1,112.16	5	1,455.38	5	1,798.60	5	2,141.83	5	2,485.05	5	2,828.26	5	3,171.41
1/4	121.60	1/4	433.71	1/4	776.37	1/4	1,119.31	1/4	1,462.53	1/4	1,805.75	1/4	2,148.98	1/4	2,492.20	1/4	2,835.41	1/4	3,178.55
1/2	127.62	1/2	440.73	1/2	783.52	1/2	1,126.46	1/2	1,469.68	1/2	1,812.90	1/2	2,156.13	1/2	2,499.35	1/2	2,842.56	1/2	3,185.70
3/4	133.64	3/4	447.76	3/4	790.67	3/4	1,133.61	3/4	1,476.83	3/4	1,820.05	3/4	2,163.28	3/4	2,506.50	3/4	2,849.71	3/4	3,192.85
6	139.67	6	454.78	6	797.82	6	1,140.76	6	1,483.98	6	1,827.21	6	2,170.43	6	2,513.65	6	2,856.86	6	3,200.00
1/4	145.77	1/4	461.89	1/4	804.97	1/4	1,147.91	1/4	1,491.13	1/4	1,834.36	1/4	2,177.58	1/4	2,520.80	1/4	2,864.00	1/4	3,207.15
1/2	151.88	1/2	469.00	1/2	812.11	1/2	1,155.06	1/2	1,498.28	1/2	1,841.51	1/2	2,184.73	1/2	2,527.95	1/2	2,871.15	1/2	3,214.29
3/4	157.98	3/4	476.11	3/4	819.25	3/4	1,162.21	3/4	1,505.43	3/4	1,848.66	3/4	2,191.88	3/4	2,535.10	3/4	2,878.30	3/4	3,221.44
7	164.09	7	483.22	7	826.39	7	1,169.36	7	1,512.58	7	1,855.81	7	2,199.03	7	2,542.26	7	2,885.45	7	3,228.59
1/4	170.27	1/4	490.37	1/4	833.53	1/4	1,176.51	1/4	1,519.73	1/4	1,862.96	1/4	2,206.18	1/4	2,549.41	1/4	2,892.60	1/4	3,235.74
1/2	176.46	1/2	497.52	1/2	840.67	1/2	1,183.66	1/2	1,526.88	1/2	1,870.11	1/2	2,213.33	1/2	2,556.56	1/2	2,899.75	1/2	3,242.89
3/4	182.65	3/4	504.67	3/4	847.81	3/4	1,190.81	3/4	1,534.03	3/4	1,877.26	3/4	2,220.48	3/4	2,563.71	3/4	2,906.90	3/4	3,250.03
8	188.84	8	511.82	8	854.96	8	1,197.96	8	1,541.19	8	1,884.41	8	2,227.63	8	2,570.86	8	2,914.05	8	3,257.18
1/4	195.11	1/4	518.97	1/4	862.10	1/4	1,205.11	1/4	1,548.34	1/4	1,891.56	1/4	2,234.78	1/4	2,578.01	1/4	2,921.20	1/4	3,264.33
1/2	201.39	1/2	526.12	1/2	869.24	1/2	1,212.26	1/2	1,555.49	1/2	1,898.71	1/2	2,241.93	1/2	2,585.16	1/2	2,928.35	1/2	3,271.48
3/4	207.66	3/4	533.27	3/4	876.38	3/4	1,219.41	3/4	1,562.64	3/4	1,905.86	3/4	2,249.08	3/4	2,592.31	3/4	2,935.50	3/4	3,278.63
9	213.93	9	540.42	9	883.52	9	1,226.56	9	1,569.79	9	1,913.01	9	2,256.24	9	2,599.46	9	2,942.65	9	3,285.78
1/4	220.29	1/4	547.57	1/4	890.66	1/4	1,233.71	1/4	1,576.94	1/4	1,920.16	1/4	2,263.39	1/4	2,606.61	1/4	2,949.80	1/4	3,292.92
1/2	226.64	1/2	554.72	1/2	897.80	1/2	1,240.86	1/2	1,584.09	1/2	1,927.31	1/2	2,270.54	1/2	2,613.76	1/2	2,956.95	1/2	3,300.07
3/4	233.00	3/4	561.87	3/4	904.95	3/4	1,248.01	3/4	1,591.24	3/4	1,934.46	3/4	2,277.69	3/4	2,620.91	3/4	2,964.10	3/4	3,307.22
10	239.35	10	569.02	10	912.09	10	1,255.17	10	1,598.39	10	1,941.61	10	2,284.84	10	2,628.06	10	2,971.25	10	3,314.37
1/4	245.79	1/4	576.17	1/4	919.23	1/4	1,262.32	1/4	1,605.54	1/4	1,948.76	1/4	2,291.99	1/4	2,635.21	1/4	2,978.40	1/4	3,321.52
1/2	252.23	1/2	583.32	1/2	926.37	1/2	1,269.47	1/2	1,612.69	1/2	1,955.91	1/2	2,299.14	1/2	2,642.36	1/2	2,985.55	1/2	3,328.66
3/4	258.67	3/4	590.47	3/4	933.51	3/4	1,276.62	3/4	1,619.84	3/4	1,963.06	3/4	2,306.29	3/4	2,649.51	3/4	2,992.70	3/4	3,335.81
11	265.11	11	597.62	11	940.65	11	1,283.77	11	1,626.99	11	1,970.22	11	2,313.44	11	2,656.66	11	2,999.85	11	3,342.96
1/4	271.64	1/4	604.77	1/4	947.80	1/4	1,290.92	1/4	1,634.14	1/4	1,977.37	1/4	2,320.59	1/4	2,663.81	1/4	3,007.00	1/4	3,350.11
1/2	278.16	1/2	611.92	1/2	954.94	1/2	1,298.07	1/2	1,641.29	1/2	1,984.52	1/2	2,327.74	1/2	2,670.96	1/2	3,014.15	1/2	3,357.26
3/4	284.68	3/4	619.07	3/4	962.08	3/4	1,305.22	3/4	1,648.44	3/4	1,991.67	3/4	2,334.89	3/4	2,678.11	3/4	3,021.30	3/4	3,364.40

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 412"

**1 STBD
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,371.55	0	3,714.68	0	4,057.88	0	4,400.42	0	4,742.06	0		0		0		0		0	
1/4	3,378.70	1/4	3,721.83	1/4	4,065.03	1/4	4,407.54	1/4	4,749.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,385.85	1/2	3,728.98	1/2	4,072.18	1/2	4,414.66	1/2	4,756.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,393.00	3/4	3,736.13	3/4	4,079.33	3/4	4,421.78	3/4	4,763.41	3/4		3/4		3/4		3/4		3/4	
1	3,400.14	1	3,743.28	1	4,086.48	1	4,428.89	1	4,770.53	1		1		1		1		1	
1/4	3,407.29	1/4	3,750.43	1/4	4,093.63	1/4	4,436.01	1/4	4,777.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,414.44	1/2	3,757.58	1/2	4,100.78	1/2	4,443.13	1/2	4,784.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,421.59	3/4	3,764.73	3/4	4,107.93	3/4	4,450.24	3/4	4,791.88	3/4		3/4		3/4		3/4		3/4	
2	3,428.74	2	3,771.88	2	4,115.08	2	4,457.36	2	4,799.00	2		2		2		2		2	
1/4	3,435.89	1/4	3,779.03	1/4	4,122.23	1/4	4,464.48	1/4	4,806.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,443.03	1/2	3,786.18	1/2	4,129.38	1/2	4,471.60	1/2	4,813.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,450.18	3/4	3,793.33	3/4	4,136.53	3/4	4,478.71	3/4	4,820.35	3/4		3/4		3/4		3/4		3/4	
3	3,457.33	3	3,800.48	3	4,143.68	3	4,485.83	3	4,827.47	3		3		3		3		3	
1/4	3,464.48	1/4	3,807.63	1/4	4,150.83	1/4	4,492.95	1/4	4,834.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,471.63	1/2	3,814.78	1/2	4,157.98	1/2	4,500.07	1/2	4,841.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,478.77	3/4	3,821.93	3/4	4,165.13	3/4	4,507.18	3/4	4,848.68	3/4		3/4		3/4		3/4		3/4	
4	3,485.92	4	3,829.08	4	4,172.28	4	4,514.30	4	4,855.76	4		4		4		4		4	
1/4	3,493.07	1/4	3,836.23	1/4	4,179.43	1/4	4,521.42	1/4	4,862.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,500.22	1/2	3,843.38	1/2	4,186.58	1/2	4,528.54	1/2	4,869.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,507.37	3/4	3,850.53	3/4	4,193.73	3/4	4,535.65	3/4	4,876.97	3/4		3/4		3/4		3/4		3/4	
5	3,514.51	5	3,857.68	5	4,200.88	5	4,542.77	5	4,884.04	5		5		5		5		5	
1/4	3,521.66	1/4	3,864.83	1/4	4,208.03	1/4	4,549.89	1/4	4,891.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,528.81	1/2	3,871.98	1/2	4,215.18	1/2	4,557.01	1/2	4,898.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,535.96	3/4	3,879.13	3/4	4,222.33	3/4	4,564.12	3/4	4,905.26	3/4		3/4		3/4		3/4		3/4	
6	3,543.11	6	3,886.28	6	4,229.48	6	4,571.24	6	4,912.33	6		6		6		6		6	
1/4	3,550.25	1/4	3,893.43	1/4	4,236.63	1/4	4,578.36	1/4	4,919.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,557.40	1/2	3,900.58	1/2	4,243.78	1/2	4,585.48	1/2	4,926.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,564.55	3/4	3,907.73	3/4	4,250.93	3/4	4,592.59	3/4	4,933.50	3/4		3/4		3/4		3/4		3/4	
7	3,571.70	7	3,914.88	7	4,258.08	7	4,599.71	7	4,940.56	7		7		7		7		7	
1/4	3,578.85	1/4	3,922.03	1/4	4,265.19	1/4	4,606.83	1/4	4,947.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,586.00	1/2	3,929.18	1/2	4,272.31	1/2	4,613.95	1/2	4,954.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,593.14	3/4	3,936.33	3/4	4,279.43	3/4	4,621.06	3/4	4,961.57	3/4		3/4		3/4		3/4		3/4	
8	3,600.29	8	3,943.48	8	4,286.54	8	4,628.18	8	4,968.57	8		8		8		8		8	
1/4	3,607.44	1/4	3,950.63	1/4	4,293.66	1/4	4,635.30	1/4	4,974.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,614.59	1/2	3,957.78	1/2	4,300.78	1/2	4,642.41	1/2	4,980.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,621.74	3/4	3,964.93	3/4	4,307.90	3/4	4,649.53	3/4	4,987.11	3/4		3/4		3/4		3/4		3/4	
9	3,628.88	9	3,972.08	9	4,315.01	9	4,656.65	9	4,993.29	9		9		9		9		9	
1/4	3,636.03	1/4	3,979.23	1/4	4,322.13	1/4	4,663.77	1/4	4,998.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,643.18	1/2	3,986.38	1/2	4,329.25	1/2	4,670.88	1/2	5,003.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,650.33	3/4	3,993.53	3/4	4,336.37	3/4	4,678.00	3/4	5,008.25	3/4		3/4		3/4		3/4		3/4	
10	3,657.48	10	4,000.68	10	4,343.48	10	4,685.12	10	5,013.24	10		10		10		10		10	
1/4	3,664.63	1/4	4,007.83	1/4	4,350.60	1/4	4,692.24	1/4	5,017.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,671.78	1/2	4,014.98	1/2	4,357.72	1/2	4,699.35	1/2	5,020.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.93	3/4	4,022.13	3/4	4,364.84	3/4	4,706.47	3/4	5,024.62	3/4		3/4		3/4		3/4		3/4	
11	3,686.08	11	4,029.28	11	4,371.95	11	4,713.59	11	5,028.42	11		11		11		11		11	
1/4	3,693.23	1/4	4,036.43	1/4	4,379.07	1/4	4,720.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,700.38	1/2	4,043.58	1/2	4,386.19	1/2	4,727.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,707.53	3/4	4,050.73	3/4	4,393.31	3/4	4,734.94	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2021 CL
CALCULATED: 01/08/2021 CL
PRINTED: 01/08/2021 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2021



BARGE "MPX 412"

2 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	14.69	0	343.92	0	687.67	0	1,021.70	0	1,360.67	0	1,704.44	0	2,048.21	0	2,391.97	0	2,735.74	0	3,079.50
1/4	19.16	1/4	351.08	1/4	694.83	1/4	1,028.56	1/4	1,367.84	1/4	1,711.60	1/4	2,055.37	1/4	2,399.13	1/4	2,742.90	1/4	3,086.66
1/2	23.64	1/2	358.24	1/2	701.99	1/2	1,035.41	1/2	1,375.00	1/2	1,718.76	1/2	2,062.53	1/2	2,406.30	1/2	2,750.06	1/2	3,093.82
3/4	28.12	3/4	365.40	3/4	709.16	3/4	1,042.26	3/4	1,382.16	3/4	1,725.93	3/4	2,069.69	3/4	2,413.46	3/4	2,757.22	3/4	3,100.98
1	32.59	1	372.56	1	716.32	1	1,049.12	1	1,389.32	1	1,733.09	1	2,076.85	1	2,420.62	1	2,764.39	1	3,108.14
1/4	38.86	1/4	379.73	1/4	723.48	1/4	1,055.97	1/4	1,396.48	1/4	1,740.25	1/4	2,084.02	1/4	2,427.78	1/4	2,771.55	1/4	3,115.29
1/2	45.12	1/2	386.89	1/2	730.64	1/2	1,062.83	1/2	1,403.64	1/2	1,747.41	1/2	2,091.18	1/2	2,434.94	1/2	2,778.71	1/2	3,122.45
3/4	51.39	3/4	394.05	3/4	737.80	3/4	1,069.68	3/4	1,410.81	3/4	1,754.57	3/4	2,098.34	3/4	2,442.11	3/4	2,785.87	3/4	3,129.61
2	57.65	2	401.21	2	744.96	2	1,076.53	2	1,417.97	2	1,761.73	2	2,105.50	2	2,449.27	2	2,793.03	2	3,136.77
1/4	64.78	1/4	408.37	1/4	752.12	1/4	1,083.39	1/4	1,425.13	1/4	1,768.90	1/4	2,112.66	1/4	2,456.43	1/4	2,800.20	1/4	3,143.93
1/2	71.90	1/2	415.53	1/2	759.29	1/2	1,090.26	1/2	1,432.29	1/2	1,776.06	1/2	2,119.82	1/2	2,463.59	1/2	2,807.36	1/2	3,151.09
3/4	79.03	3/4	422.70	3/4	766.45	3/4	1,097.12	3/4	1,439.45	3/4	1,783.22	3/4	2,126.99	3/4	2,470.75	3/4	2,814.52	3/4	3,158.25
3	86.15	3	429.86	3	773.61	3	1,103.98	3	1,446.62	3	1,790.38	3	2,134.15	3	2,477.91	3	2,821.68	3	3,165.41
1/4	93.30	1/4	437.02	1/4	780.77	1/4	1,110.86	1/4	1,453.78	1/4	1,797.54	1/4	2,141.31	1/4	2,485.08	1/4	2,828.84	1/4	3,172.57
1/2	100.45	1/2	444.18	1/2	787.93	1/2	1,117.74	1/2	1,460.94	1/2	1,804.71	1/2	2,148.47	1/2	2,492.24	1/2	2,836.00	1/2	3,179.73
3/4	107.61	3/4	451.34	3/4	795.09	3/4	1,124.62	3/4	1,468.10	3/4	1,811.87	3/4	2,155.63	3/4	2,499.40	3/4	2,843.17	3/4	3,186.89
4	114.76	4	458.50	4	802.25	4	1,131.50	4	1,475.26	4	1,819.03	4	2,162.80	4	2,506.56	4	2,850.33	4	3,194.05
1/4	121.92	1/4	465.66	1/4	809.13	1/4	1,138.66	1/4	1,482.42	1/4	1,826.19	1/4	2,169.96	1/4	2,513.72	1/4	2,857.49	1/4	3,201.21
1/2	129.08	1/2	472.83	1/2	816.01	1/2	1,145.82	1/2	1,489.59	1/2	1,833.35	1/2	2,177.12	1/2	2,520.89	1/2	2,864.65	1/2	3,208.37
3/4	136.24	3/4	479.99	3/4	822.89	3/4	1,152.98	3/4	1,496.75	3/4	1,840.51	3/4	2,184.28	3/4	2,528.05	3/4	2,871.81	3/4	3,215.53
5	143.40	5	487.15	5	829.77	5	1,160.14	5	1,503.91	5	1,847.68	5	2,191.44	5	2,535.21	5	2,878.98	5	3,222.69
1/4	150.56	1/4	494.31	1/4	836.63	1/4	1,167.31	1/4	1,511.07	1/4	1,854.84	1/4	2,198.60	1/4	2,542.37	1/4	2,886.14	1/4	3,229.85
1/2	157.72	1/2	501.47	1/2	843.49	1/2	1,174.47	1/2	1,518.23	1/2	1,862.00	1/2	2,205.77	1/2	2,549.53	1/2	2,893.30	1/2	3,237.01
3/4	164.88	3/4	508.63	3/4	850.35	3/4	1,181.63	3/4	1,525.40	3/4	1,869.16	3/4	2,212.93	3/4	2,556.69	3/4	2,900.46	3/4	3,244.17
6	172.04	6	515.79	6	857.22	6	1,188.79	6	1,532.56	6	1,876.32	6	2,220.09	6	2,563.86	6	2,907.62	6	3,251.33
1/4	179.20	1/4	522.96	1/4	864.07	1/4	1,195.95	1/4	1,539.72	1/4	1,883.49	1/4	2,227.25	1/4	2,571.02	1/4	2,914.78	1/4	3,258.49
1/2	186.37	1/2	530.12	1/2	870.92	1/2	1,203.11	1/2	1,546.88	1/2	1,890.65	1/2	2,234.41	1/2	2,578.18	1/2	2,921.95	1/2	3,265.65
3/4	193.53	3/4	537.28	3/4	877.78	3/4	1,210.28	3/4	1,554.04	3/4	1,897.81	3/4	2,241.58	3/4	2,585.34	3/4	2,929.11	3/4	3,272.81
7	200.69	7	544.44	7	884.63	7	1,217.44	7	1,561.20	7	1,904.97	7	2,248.74	7	2,592.50	7	2,936.27	7	3,279.97
1/4	207.85	1/4	551.60	1/4	891.48	1/4	1,224.60	1/4	1,568.37	1/4	1,912.13	1/4	2,255.90	1/4	2,599.67	1/4	2,943.43	1/4	3,287.13
1/2	215.01	1/2	558.76	1/2	898.34	1/2	1,231.76	1/2	1,575.53	1/2	1,919.29	1/2	2,263.06	1/2	2,606.83	1/2	2,950.59	1/2	3,294.28
3/4	222.17	3/4	565.93	3/4	905.19	3/4	1,238.92	3/4	1,582.69	3/4	1,926.46	3/4	2,270.22	3/4	2,613.99	3/4	2,957.76	3/4	3,301.44
8	229.33	8	573.09	8	912.04	8	1,246.08	8	1,589.85	8	1,933.62	8	2,277.38	8	2,621.15	8	2,964.92	8	3,308.60
1/4	236.50	1/4	580.25	1/4	918.90	1/4	1,253.25	1/4	1,597.01	1/4	1,940.78	1/4	2,284.55	1/4	2,628.31	1/4	2,972.08	1/4	3,315.76
1/2	243.66	1/2	587.41	1/2	925.75	1/2	1,260.41	1/2	1,604.17	1/2	1,947.94	1/2	2,291.71	1/2	2,635.47	1/2	2,979.24	1/2	3,322.92
3/4	250.82	3/4	594.57	3/4	932.61	3/4	1,267.57	3/4	1,611.34	3/4	1,955.10	3/4	2,298.87	3/4	2,642.64	3/4	2,986.40	3/4	3,330.08
9	257.98	9	601.73	9	939.46	9	1,274.73	9	1,618.50	9	1,962.26	9	2,306.03	9	2,649.80	9	2,993.56	9	3,337.24
1/4	265.14	1/4	608.89	1/4	946.31	1/4	1,281.89	1/4	1,625.66	1/4	1,969.43	1/4	2,313.19	1/4	2,656.96	1/4	3,000.73	1/4	3,344.40
1/2	272.30	1/2	616.06	1/2	953.17	1/2	1,289.06	1/2	1,632.82	1/2	1,976.59	1/2	2,320.35	1/2	2,664.12	1/2	3,007.89	1/2	3,351.56
3/4	279.47	3/4	623.22	3/4	960.02	3/4	1,296.22	3/4	1,639.98	3/4	1,983.75	3/4	2,327.52	3/4	2,671.28	3/4	3,015.05	3/4	3,358.72
10	286.63	10	630.38	10	966.87	10	1,303.38	10	1,647.15	10	1,990.91	10	2,334.68	10	2,678.44	10	3,022.21	10	3,365.88
1/4	293.79	1/4	637.54	1/4	973.73	1/4	1,310.54	1/4	1,654.31	1/4	1,998.07	1/4	2,341.84	1/4	2,685.61	1/4	3,029.37	1/4	3,373.04
1/2	300.95	1/2	644.70	1/2	980.58	1/2	1,317.70	1/2	1,661.47	1/2	2,005.24	1/2	2,349.00	1/2	2,692.77	1/2	3,036.53	1/2	3,380.20
3/4	308.11	3/4	651.86	3/4	987.43	3/4	1,324.86	3/4	1,668.63	3/4	2,012.40	3/4	2,356.16	3/4	2,699.93	3/4	3,043.70	3/4	3,387.36
11	315.27	11	659.02	11	994.29	11	1,332.03	11	1,675.79	11	2,019.56	11	2,363.33	11	2,707.09	11	3,050.86	11	3,394.52
1/4	322.43	1/4	666.19	1/4	1,001.14	1/4	1,339.19	1/4	1,682.95	1/4	2,026.72	1/4	2,370.49	1/4	2,714.25	1/4	3,058.02	1/4	3,401.68
1/2	329.60	1/2	673.35	1/2	1,008.00	1/2	1,346.35	1/2	1,690.12	1/2	2,033.88	1/2	2,377.65	1/2	2,721.42	1/2	3,065.18	1/2	3,408.84
3/4	336.76	3/4	680.51	3/4	1,014.85	3/4	1,353.51	3/4	1,697.28	3/4	2,041.04	3/4	2,384.81	3/4	2,728.58	3/4	3,072.34	3/4	3,416.00

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 412"

2 PORT INNAGE TABLE HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,423.16	0	3,766.82	0	4,110.48	0	4,453.49	0	4,795.58	0		0		0		0		0	
1/4	3,430.32	1/4	3,773.98	1/4	4,117.64	1/4	4,460.62	1/4	4,802.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,437.48	1/2	3,781.14	1/2	4,124.80	1/2	4,467.74	1/2	4,809.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,444.64	3/4	3,788.30	3/4	4,131.96	3/4	4,474.87	3/4	4,816.97	3/4		3/4		3/4		3/4		3/4	
1	3,451.80	1	3,795.46	1	4,139.12	1	4,482.00	1	4,824.09	1		1		1		1		1	
1/4	3,458.96	1/4	3,802.62	1/4	4,146.28	1/4	4,489.12	1/4	4,831.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,466.12	1/2	3,809.78	1/2	4,153.44	1/2	4,496.25	1/2	4,838.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,473.27	3/4	3,816.94	3/4	4,160.60	3/4	4,503.38	3/4	4,845.47	3/4		3/4		3/4		3/4		3/4	
2	3,480.43	2	3,824.10	2	4,167.76	2	4,510.50	2	4,852.60	2		2		2		2		2	
1/4	3,487.59	1/4	3,831.25	1/4	4,174.92	1/4	4,517.63	1/4	4,859.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,494.75	1/2	3,838.41	1/2	4,182.08	1/2	4,524.76	1/2	4,866.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,501.91	3/4	3,845.57	3/4	4,189.23	3/4	4,531.89	3/4	4,873.98	3/4		3/4		3/4		3/4		3/4	
3	3,509.07	3	3,852.73	3	4,196.39	3	4,539.01	3	4,881.11	3		3		3		3		3	
1/4	3,516.23	1/4	3,859.89	1/4	4,203.55	1/4	4,546.14	1/4	4,888.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,523.39	1/2	3,867.05	1/2	4,210.71	1/2	4,553.27	1/2	4,895.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,530.55	3/4	3,874.21	3/4	4,217.87	3/4	4,560.39	3/4	4,902.36	3/4		3/4		3/4		3/4		3/4	
4	3,537.71	4	3,881.37	4	4,225.03	4	4,567.52	4	4,909.44	4		4		4		4		4	
1/4	3,544.87	1/4	3,888.53	1/4	4,232.19	1/4	4,574.65	1/4	4,916.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,552.03	1/2	3,895.69	1/2	4,239.35	1/2	4,581.77	1/2	4,923.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,559.19	3/4	3,902.85	3/4	4,246.51	3/4	4,588.90	3/4	4,930.69	3/4		3/4		3/4		3/4		3/4	
5	3,566.35	5	3,910.01	5	4,253.67	5	4,596.03	5	4,937.77	5		5		5		5		5	
1/4	3,573.51	1/4	3,917.17	1/4	4,260.83	1/4	4,603.16	1/4	4,944.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,580.67	1/2	3,924.33	1/2	4,267.99	1/2	4,610.28	1/2	4,951.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,587.83	3/4	3,931.49	3/4	4,275.15	3/4	4,617.41	3/4	4,959.01	3/4		3/4		3/4		3/4		3/4	
6	3,594.99	6	3,938.65	6	4,282.31	6	4,624.54	6	4,966.09	6		6		6		6		6	
1/4	3,602.15	1/4	3,945.81	1/4	4,289.47	1/4	4,631.66	1/4	4,973.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,609.31	1/2	3,952.97	1/2	4,296.63	1/2	4,638.79	1/2	4,980.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,616.47	3/4	3,960.13	3/4	4,303.79	3/4	4,645.92	3/4	4,987.29	3/4		3/4		3/4		3/4		3/4	
7	3,623.63	7	3,967.29	7	4,310.95	7	4,653.04	7	4,994.36	7		7		7		7		7	
1/4	3,630.79	1/4	3,974.45	1/4	4,318.08	1/4	4,660.17	1/4	5,001.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,637.95	1/2	3,981.61	1/2	4,325.20	1/2	4,667.30	1/2	5,008.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,645.11	3/4	3,988.77	3/4	4,332.33	3/4	4,674.43	3/4	5,015.40	3/4		3/4		3/4		3/4		3/4	
8	3,652.26	8	3,995.93	8	4,339.46	8	4,681.55	8	5,022.41	8		8		8		8		8	
1/4	3,659.42	1/4	4,003.09	1/4	4,346.58	1/4	4,688.68	1/4	5,028.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,666.58	1/2	4,010.24	1/2	4,353.71	1/2	4,695.81	1/2	5,034.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,673.74	3/4	4,017.40	3/4	4,360.84	3/4	4,702.93	3/4	5,040.97	3/4		3/4		3/4		3/4		3/4	
9	3,680.90	9	4,024.56	9	4,367.96	9	4,710.06	9	5,047.16	9		9		9		9		9	
1/4	3,688.06	1/4	4,031.72	1/4	4,375.09	1/4	4,717.19	1/4	5,052.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,695.22	1/2	4,038.88	1/2	4,382.22	1/2	4,724.31	1/2	5,057.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,702.38	3/4	4,046.04	3/4	4,389.35	3/4	4,731.44	3/4	5,062.14	3/4		3/4		3/4		3/4		3/4	
10	3,709.54	10	4,053.20	10	4,396.47	10	4,738.57	10	5,067.13	10		10		10		10		10	
1/4	3,716.70	1/4	4,060.36	1/4	4,403.60	1/4	4,745.70	1/4	5,070.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,723.86	1/2	4,067.52	1/2	4,410.73	1/2	4,752.82	1/2	5,074.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,731.02	3/4	4,074.68	3/4	4,417.85	3/4	4,759.95	3/4	5,078.53	3/4		3/4		3/4		3/4		3/4	
11	3,738.18	11	4,081.84	11	4,424.98	11	4,767.08	11	5,082.33	11		11		11		11		11	
1/4	3,745.34	1/4	4,089.00	1/4	4,432.11	1/4	4,774.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,752.50	1/2	4,096.16	1/2	4,439.23	1/2	4,781.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,759.66	3/4	4,103.32	3/4	4,446.36	3/4	4,788.46	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2021 CL
CALCULATED: 01/08/2021 CL
PRINTED: 01/08/2021 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2021



BARGE "MPX 412"

2 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	14.68	0	343.68	0	687.18	0	1,030.34	0	1,373.72	0	1,717.25	0	2,060.77	0	2,404.29	0	2,747.81	0	3,091.32
1/4	19.15	1/4	350.83	1/4	694.34	1/4	1,037.48	1/4	1,380.88	1/4	1,724.40	1/4	2,067.92	1/4	2,411.45	1/4	2,754.97	1/4	3,098.48
1/2	23.62	1/2	357.99	1/2	701.50	1/2	1,044.62	1/2	1,388.04	1/2	1,731.56	1/2	2,075.08	1/2	2,418.60	1/2	2,762.12	1/2	3,105.63
3/4	28.10	3/4	365.14	3/4	708.65	3/4	1,051.77	3/4	1,395.19	3/4	1,738.72	3/4	2,082.24	3/4	2,425.76	3/4	2,769.28	3/4	3,112.79
1	32.57	1	372.30	1	715.81	1	1,058.91	1	1,402.35	1	1,745.87	1	2,089.39	1	2,432.92	1	2,776.44	1	3,119.94
1/4	38.83	1/4	379.46	1/4	722.96	1/4	1,066.05	1/4	1,409.51	1/4	1,753.03	1/4	2,096.55	1/4	2,440.07	1/4	2,783.59	1/4	3,127.10
1/2	45.09	1/2	386.61	1/2	730.12	1/2	1,073.19	1/2	1,416.66	1/2	1,760.19	1/2	2,103.71	1/2	2,447.23	1/2	2,790.75	1/2	3,134.25
3/4	51.35	3/4	393.77	3/4	737.28	3/4	1,080.34	3/4	1,423.82	3/4	1,767.34	3/4	2,110.86	3/4	2,454.39	3/4	2,797.91	3/4	3,141.41
2	57.61	2	400.93	2	744.43	2	1,087.48	2	1,430.98	2	1,774.50	2	2,118.02	2	2,461.54	2	2,805.06	2	3,148.56
1/4	64.73	1/4	408.08	1/4	751.59	1/4	1,094.63	1/4	1,438.13	1/4	1,781.66	1/4	2,125.18	1/4	2,468.70	1/4	2,812.22	1/4	3,155.71
1/2	71.85	1/2	415.24	1/2	758.75	1/2	1,101.78	1/2	1,445.29	1/2	1,788.81	1/2	2,132.33	1/2	2,475.86	1/2	2,819.38	1/2	3,162.87
3/4	78.97	3/4	422.40	3/4	765.90	3/4	1,108.93	3/4	1,452.45	3/4	1,795.97	3/4	2,139.49	3/4	2,483.01	3/4	2,826.53	3/4	3,170.02
3	86.09	3	429.55	3	773.06	3	1,116.08	3	1,459.60	3	1,803.13	3	2,146.65	3	2,490.17	3	2,833.69	3	3,177.18
1/4	93.24	1/4	436.71	1/4	780.22	1/4	1,123.24	1/4	1,466.76	1/4	1,810.28	1/4	2,153.80	1/4	2,497.33	1/4	2,840.85	1/4	3,184.33
1/2	100.38	1/2	443.87	1/2	787.37	1/2	1,130.40	1/2	1,473.92	1/2	1,817.44	1/2	2,160.96	1/2	2,504.48	1/2	2,848.00	1/2	3,191.49
3/4	107.53	3/4	451.02	3/4	794.53	3/4	1,137.55	3/4	1,481.07	3/4	1,824.60	3/4	2,168.12	3/4	2,511.64	3/4	2,855.16	3/4	3,198.64
4	114.68	4	458.18	4	801.69	4	1,144.71	4	1,488.23	4	1,831.75	4	2,175.27	4	2,518.80	4	2,862.32	4	3,205.80
1/4	121.83	1/4	465.33	1/4	808.84	1/4	1,151.87	1/4	1,495.39	1/4	1,838.91	1/4	2,182.43	1/4	2,525.95	1/4	2,869.47	1/4	3,212.95
1/2	128.99	1/2	472.49	1/2	816.00	1/2	1,159.02	1/2	1,502.54	1/2	1,846.07	1/2	2,189.59	1/2	2,533.11	1/2	2,876.63	1/2	3,220.11
3/4	136.14	3/4	479.65	3/4	823.15	3/4	1,166.18	3/4	1,509.70	3/4	1,853.22	3/4	2,196.74	3/4	2,540.27	3/4	2,883.79	3/4	3,227.26
5	143.30	5	486.80	5	830.31	5	1,173.34	5	1,516.86	5	1,860.38	5	2,203.90	5	2,547.42	5	2,890.94	5	3,234.42
1/4	150.45	1/4	493.96	1/4	837.46	1/4	1,180.49	1/4	1,524.01	1/4	1,867.54	1/4	2,211.06	1/4	2,554.58	1/4	2,898.10	1/4	3,241.57
1/2	157.61	1/2	501.12	1/2	844.61	1/2	1,187.65	1/2	1,531.17	1/2	1,874.69	1/2	2,218.21	1/2	2,561.74	1/2	2,905.26	1/2	3,248.72
3/4	164.77	3/4	508.27	3/4	851.77	3/4	1,194.81	3/4	1,538.33	3/4	1,881.85	3/4	2,225.37	3/4	2,568.89	3/4	2,912.41	3/4	3,255.88
6	171.92	6	515.43	6	858.92	6	1,201.96	6	1,545.48	6	1,889.01	6	2,232.53	6	2,576.05	6	2,919.57	6	3,263.03
1/4	179.08	1/4	522.59	1/4	866.06	1/4	1,209.12	1/4	1,552.64	1/4	1,896.16	1/4	2,239.68	1/4	2,583.21	1/4	2,926.73	1/4	3,270.19
1/2	186.23	1/2	529.74	1/2	873.20	1/2	1,216.28	1/2	1,559.80	1/2	1,903.32	1/2	2,246.84	1/2	2,590.36	1/2	2,933.88	1/2	3,277.34
3/4	193.39	3/4	536.90	3/4	880.34	3/4	1,223.43	3/4	1,566.95	3/4	1,910.48	3/4	2,254.00	3/4	2,597.52	3/4	2,941.04	3/4	3,284.50
7	200.55	7	544.05	7	887.49	7	1,230.59	7	1,574.11	7	1,917.63	7	2,261.15	7	2,604.68	7	2,948.20	7	3,291.65
1/4	207.70	1/4	551.21	1/4	894.63	1/4	1,237.75	1/4	1,581.27	1/4	1,924.79	1/4	2,268.31	1/4	2,611.83	1/4	2,955.35	1/4	3,298.81
1/2	214.86	1/2	558.37	1/2	901.77	1/2	1,244.90	1/2	1,588.42	1/2	1,931.95	1/2	2,275.47	1/2	2,618.99	1/2	2,962.51	1/2	3,305.96
3/4	222.02	3/4	565.52	3/4	908.91	3/4	1,252.06	3/4	1,595.58	3/4	1,939.10	3/4	2,282.62	3/4	2,626.15	3/4	2,969.67	3/4	3,313.12
8	229.17	8	572.68	8	916.06	8	1,259.22	8	1,602.74	8	1,946.26	8	2,289.78	8	2,633.30	8	2,976.82	8	3,320.27
1/4	236.33	1/4	579.84	1/4	923.20	1/4	1,266.37	1/4	1,609.89	1/4	1,953.42	1/4	2,296.94	1/4	2,640.46	1/4	2,983.98	1/4	3,327.42
1/2	243.49	1/2	586.99	1/2	930.34	1/2	1,273.53	1/2	1,617.05	1/2	1,960.57	1/2	2,304.09	1/2	2,647.62	1/2	2,991.14	1/2	3,334.58
3/4	250.64	3/4	594.15	3/4	937.48	3/4	1,280.69	3/4	1,624.21	3/4	1,967.73	3/4	2,311.25	3/4	2,654.77	3/4	2,998.29	3/4	3,341.73
9	257.80	9	601.31	9	944.63	9	1,287.84	9	1,631.36	9	1,974.89	9	2,318.41	9	2,661.93	9	3,005.45	9	3,348.89
1/4	264.96	1/4	608.46	1/4	951.77	1/4	1,295.00	1/4	1,638.52	1/4	1,982.04	1/4	2,325.56	1/4	2,669.09	1/4	3,012.61	1/4	3,356.04
1/2	272.11	1/2	615.62	1/2	958.91	1/2	1,302.16	1/2	1,645.68	1/2	1,989.20	1/2	2,332.72	1/2	2,676.24	1/2	3,019.76	1/2	3,363.20
3/4	279.27	3/4	622.78	3/4	966.05	3/4	1,309.31	3/4	1,652.83	3/4	1,996.36	3/4	2,339.88	3/4	2,683.40	3/4	3,026.92	3/4	3,370.35
10	286.42	10	629.93	10	973.20	10	1,316.47	10	1,659.99	10	2,003.51	10	2,347.03	10	2,690.56	10	3,034.08	10	3,377.51
1/4	293.58	1/4	637.09	1/4	980.34	1/4	1,323.63	1/4	1,667.15	1/4	2,010.67	1/4	2,354.19	1/4	2,697.71	1/4	3,041.23	1/4	3,384.66
1/2	300.74	1/2	644.24	1/2	987.48	1/2	1,330.78	1/2	1,674.30	1/2	2,017.83	1/2	2,361.35	1/2	2,704.87	1/2	3,048.39	1/2	3,391.82
3/4	307.89	3/4	651.40	3/4	994.63	3/4	1,337.94	3/4	1,681.46	3/4	2,024.98	3/4	2,368.50	3/4	2,712.03	3/4	3,055.55	3/4	3,398.97
11	315.05	11	658.56	11	1,001.77	11	1,345.10	11	1,688.62	11	2,032.14	11	2,375.66	11	2,719.18	11	3,062.70	11	3,406.13
1/4	322.21	1/4	665.71	1/4	1,008.91	1/4	1,352.25	1/4	1,695.78	1/4	2,039.30	1/4	2,382.82	1/4	2,726.34	1/4	3,069.86	1/4	3,413.28
1/2	329.36	1/2	672.87	1/2	1,016.05	1/2	1,359.41	1/2	1,702.93	1/2	2,046.45	1/2	2,389.97	1/2	2,733.50	1/2	3,077.01	1/2	3,420.43
3/4	336.52	3/4	680.03	3/4	1,023.20	3/4	1,366.57	3/4	1,710.09	3/4	2,053.61	3/4	2,397.13	3/4	2,740.65	3/4	3,084.17	3/4	3,427.59

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 412"

2 STBD INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,434.74	0	3,778.19	0	4,121.71	0	4,464.58	0	4,806.53	0		0		0		0		0	
1/4	3,441.90	1/4	3,785.35	1/4	4,128.87	1/4	4,471.70	1/4	4,813.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,449.05	1/2	3,792.50	1/2	4,136.02	1/2	4,478.83	1/2	4,820.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,456.21	3/4	3,799.66	3/4	4,143.18	3/4	4,485.95	3/4	4,827.90	3/4		3/4		3/4		3/4		3/4	
1	3,463.36	1	3,806.82	1	4,150.34	1	4,493.08	1	4,835.03	1		1		1		1		1	
1/4	3,470.52	1/4	3,813.97	1/4	4,157.49	1/4	4,500.20	1/4	4,842.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,477.67	1/2	3,821.13	1/2	4,164.65	1/2	4,507.32	1/2	4,849.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,484.83	3/4	3,828.29	3/4	4,171.81	3/4	4,514.45	3/4	4,856.40	3/4		3/4		3/4		3/4		3/4	
2	3,491.98	2	3,835.44	2	4,178.97	2	4,521.57	2	4,863.52	2		2		2		2		2	
1/4	3,499.14	1/4	3,842.60	1/4	4,186.12	1/4	4,528.70	1/4	4,870.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,506.29	1/2	3,849.76	1/2	4,193.28	1/2	4,535.82	1/2	4,877.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,513.44	3/4	3,856.91	3/4	4,200.44	3/4	4,542.94	3/4	4,884.90	3/4		3/4		3/4		3/4		3/4	
3	3,520.60	3	3,864.07	3	4,207.59	3	4,550.07	3	4,892.02	3		3		3		3		3	
1/4	3,527.75	1/4	3,871.23	1/4	4,214.75	1/4	4,557.19	1/4	4,899.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,534.91	1/2	3,878.38	1/2	4,221.91	1/2	4,564.32	1/2	4,906.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,542.06	3/4	3,885.54	3/4	4,229.06	3/4	4,571.44	3/4	4,913.25	3/4		3/4		3/4		3/4		3/4	
4	3,549.22	4	3,892.70	4	4,236.22	4	4,578.56	4	4,920.33	4		4		4		4		4	
1/4	3,556.37	1/4	3,899.85	1/4	4,243.38	1/4	4,585.69	1/4	4,927.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,563.53	1/2	3,907.01	1/2	4,250.53	1/2	4,592.81	1/2	4,934.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,570.68	3/4	3,914.17	3/4	4,257.69	3/4	4,599.94	3/4	4,941.57	3/4		3/4		3/4		3/4		3/4	
5	3,577.84	5	3,921.32	5	4,264.85	5	4,607.06	5	4,948.65	5		5		5		5		5	
1/4	3,584.99	1/4	3,928.48	1/4	4,272.00	1/4	4,614.18	1/4	4,955.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,592.15	1/2	3,935.64	1/2	4,279.16	1/2	4,621.31	1/2	4,962.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,599.30	3/4	3,942.79	3/4	4,286.32	3/4	4,628.43	3/4	4,969.88	3/4		3/4		3/4		3/4		3/4	
6	3,606.45	6	3,949.95	6	4,293.47	6	4,635.56	6	4,976.96	6		6		6		6		6	
1/4	3,613.61	1/4	3,957.11	1/4	4,300.63	1/4	4,642.68	1/4	4,984.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,620.76	1/2	3,964.26	1/2	4,307.79	1/2	4,649.80	1/2	4,991.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,627.92	3/4	3,971.42	3/4	4,314.94	3/4	4,656.93	3/4	4,998.15	3/4		3/4		3/4		3/4		3/4	
7	3,635.07	7	3,978.58	7	4,322.10	7	4,664.05	7	5,005.21	7		7		7		7		7	
1/4	3,642.23	1/4	3,985.73	1/4	4,329.22	1/4	4,671.18	1/4	5,012.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,649.38	1/2	3,992.89	1/2	4,336.35	1/2	4,678.30	1/2	5,019.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,656.54	3/4	4,000.05	3/4	4,343.47	3/4	4,685.42	3/4	5,026.24	3/4		3/4		3/4		3/4		3/4	
8	3,663.69	8	4,007.20	8	4,350.60	8	4,692.55	8	5,033.25	8		8		8		8		8	
1/4	3,670.85	1/4	4,014.36	1/4	4,357.72	1/4	4,699.67	1/4	5,039.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,678.00	1/2	4,021.52	1/2	4,364.84	1/2	4,706.80	1/2	5,045.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,685.15	3/4	4,028.67	3/4	4,371.97	3/4	4,713.92	3/4	5,051.81	3/4		3/4		3/4		3/4		3/4	
9	3,692.31	9	4,035.83	9	4,379.09	9	4,721.04	9	5,057.99	9		9		9		9		9	
1/4	3,699.47	1/4	4,042.99	1/4	4,386.22	1/4	4,728.17	1/4	5,062.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,706.62	1/2	4,050.14	1/2	4,393.34	1/2	4,735.29	1/2	5,067.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,713.78	3/4	4,057.30	3/4	4,400.46	3/4	4,742.42	3/4	5,072.97	3/4		3/4		3/4		3/4		3/4	
10	3,720.94	10	4,064.46	10	4,407.59	10	4,749.54	10	5,077.96	10		10		10		10		10	
1/4	3,728.09	1/4	4,071.61	1/4	4,414.71	1/4	4,756.66	1/4	5,081.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,735.25	1/2	4,078.77	1/2	4,421.84	1/2	4,763.79	1/2	5,085.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,742.41	3/4	4,085.93	3/4	4,428.96	3/4	4,770.91	3/4	5,089.35	3/4		3/4		3/4		3/4		3/4	
11	3,749.56	11	4,093.08	11	4,436.08	11	4,778.04	11	5,093.15	11		11		11		11		11	
1/4	3,756.72	1/4	4,100.24	1/4	4,443.21	1/4	4,785.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,763.88	1/2	4,107.40	1/2	4,450.33	1/2	4,792.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,771.03	3/4	4,114.55	3/4	4,457.46	3/4	4,799.41	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2021 CL
CALCULATED: 01/08/2021 CL
PRINTED: 01/08/2021 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2021



BARGE "MPX 412"

3 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	14.63	0	342.59	0	684.50	0	1,016.75	0	1,353.94	0	1,695.74	0	2,037.54	0	2,379.34	0	2,721.11	0	3,063.04
1/4	19.09	1/4	349.72	1/4	691.62	1/4	1,023.57	1/4	1,361.07	1/4	1,702.86	1/4	2,044.66	1/4	2,386.46	1/4	2,728.23	1/4	3,070.16
1/2	23.55	1/2	356.86	1/2	698.74	1/2	1,030.38	1/2	1,368.19	1/2	1,709.98	1/2	2,051.78	1/2	2,393.58	1/2	2,735.35	1/2	3,077.27
3/4	28.01	3/4	363.99	3/4	705.86	3/4	1,037.19	3/4	1,375.31	3/4	1,717.11	3/4	2,058.90	3/4	2,400.70	3/4	2,742.47	3/4	3,084.39
1	32.47	1	371.12	1	712.98	1	1,044.00	1	1,382.43	1	1,724.23	1	2,066.02	1	2,407.82	1	2,749.59	1	3,091.50
1/4	38.71	1/4	378.25	1/4	720.11	1/4	1,050.81	1/4	1,389.55	1/4	1,731.35	1/4	2,073.14	1/4	2,414.94	1/4	2,756.71	1/4	3,098.62
1/2	44.95	1/2	385.37	1/2	727.23	1/2	1,057.62	1/2	1,396.67	1/2	1,738.47	1/2	2,080.27	1/2	2,422.06	1/2	2,763.83	1/2	3,105.74
3/4	51.19	3/4	392.49	3/4	734.35	3/4	1,064.43	3/4	1,403.79	3/4	1,745.59	3/4	2,087.39	3/4	2,429.19	3/4	2,770.95	3/4	3,112.85
2	57.43	2	399.61	2	741.47	2	1,071.25	2	1,410.91	2	1,752.71	2	2,094.51	2	2,436.31	2	2,778.07	2	3,119.97
1/4	64.53	1/4	406.73	1/4	748.60	1/4	1,078.06	1/4	1,418.03	1/4	1,759.83	1/4	2,101.63	1/4	2,443.43	1/4	2,785.19	1/4	3,127.07
1/2	71.62	1/2	413.86	1/2	755.72	1/2	1,084.88	1/2	1,425.15	1/2	1,766.95	1/2	2,108.75	1/2	2,450.55	1/2	2,792.31	1/2	3,134.17
3/4	78.72	3/4	420.98	3/4	762.84	3/4	1,091.70	3/4	1,432.27	3/4	1,774.07	3/4	2,115.87	3/4	2,457.67	3/4	2,799.43	3/4	3,141.26
3	85.82	3	428.10	3	769.96	3	1,098.52	3	1,439.39	3	1,781.19	3	2,122.99	3	2,464.79	3	2,806.55	3	3,148.36
1/4	92.94	1/4	435.22	1/4	777.08	1/4	1,105.41	1/4	1,446.51	1/4	1,788.31	1/4	2,130.11	1/4	2,471.91	1/4	2,813.67	1/4	3,155.46
1/2	100.07	1/2	442.34	1/2	784.21	1/2	1,112.30	1/2	1,453.64	1/2	1,795.43	1/2	2,137.23	1/2	2,479.03	1/2	2,820.79	1/2	3,162.56
3/4	107.19	3/4	449.47	3/4	791.33	3/4	1,119.19	3/4	1,460.76	3/4	1,802.55	3/4	2,144.35	3/4	2,486.15	3/4	2,827.91	3/4	3,169.66
4	114.31	4	456.59	4	798.45	4	1,126.08	4	1,467.88	4	1,809.68	4	2,151.47	4	2,493.27	4	2,835.03	4	3,176.76
1/4	121.45	1/4	463.71	1/4	805.34	1/4	1,133.20	1/4	1,475.00	1/4	1,816.80	1/4	2,158.59	1/4	2,500.39	1/4	2,842.15	1/4	3,183.86
1/2	128.58	1/2	470.83	1/2	812.23	1/2	1,140.32	1/2	1,482.12	1/2	1,823.92	1/2	2,165.72	1/2	2,507.51	1/2	2,849.27	1/2	3,190.95
3/4	135.71	3/4	477.96	3/4	819.12	3/4	1,147.44	3/4	1,489.24	3/4	1,831.04	3/4	2,172.84	3/4	2,514.63	3/4	2,856.39	3/4	3,198.05
5	142.84	5	485.08	5	826.01	5	1,154.56	5	1,496.36	5	1,838.16	5	2,179.96	5	2,521.75	5	2,863.51	5	3,205.15
1/4	149.98	1/4	492.20	1/4	832.83	1/4	1,161.68	1/4	1,503.48	1/4	1,845.28	1/4	2,187.08	1/4	2,528.87	1/4	2,870.63	1/4	3,212.25
1/2	157.11	1/2	499.32	1/2	839.65	1/2	1,168.80	1/2	1,510.60	1/2	1,852.40	1/2	2,194.20	1/2	2,535.99	1/2	2,877.75	1/2	3,219.35
3/4	164.24	3/4	506.44	3/4	846.47	3/4	1,175.92	3/4	1,517.72	3/4	1,859.52	3/4	2,201.32	3/4	2,543.11	3/4	2,884.87	3/4	3,226.45
6	171.38	6	513.57	6	853.29	6	1,183.05	6	1,524.84	6	1,866.64	6	2,208.44	6	2,550.23	6	2,891.99	6	3,233.54
1/4	178.51	1/4	520.69	1/4	860.10	1/4	1,190.17	1/4	1,531.96	1/4	1,873.76	1/4	2,215.56	1/4	2,557.35	1/4	2,899.11	1/4	3,240.64
1/2	185.65	1/2	527.81	1/2	866.91	1/2	1,197.29	1/2	1,539.09	1/2	1,880.88	1/2	2,222.68	1/2	2,564.47	1/2	2,906.23	1/2	3,247.74
3/4	192.78	3/4	534.93	3/4	873.72	3/4	1,204.41	3/4	1,546.21	3/4	1,888.00	3/4	2,229.80	3/4	2,571.59	3/4	2,913.35	3/4	3,254.84
7	199.91	7	542.05	7	880.53	7	1,211.53	7	1,553.33	7	1,895.12	7	2,236.92	7	2,578.71	7	2,920.47	7	3,261.94
1/4	207.05	1/4	549.18	1/4	887.34	1/4	1,218.65	1/4	1,560.45	1/4	1,902.25	1/4	2,244.04	1/4	2,585.83	1/4	2,927.60	1/4	3,269.04
1/2	214.18	1/2	556.30	1/2	894.15	1/2	1,225.77	1/2	1,567.57	1/2	1,909.37	1/2	2,251.17	1/2	2,592.95	1/2	2,934.73	1/2	3,276.14
3/4	221.31	3/4	563.42	3/4	900.96	3/4	1,232.89	3/4	1,574.69	3/4	1,916.49	3/4	2,258.29	3/4	2,600.07	3/4	2,941.86	3/4	3,283.24
8	228.45	8	570.54	8	907.78	8	1,240.01	8	1,581.81	8	1,923.61	8	2,265.41	8	2,607.19	8	2,948.99	8	3,290.34
1/4	235.58	1/4	577.66	1/4	914.59	1/4	1,247.13	1/4	1,588.93	1/4	1,930.73	1/4	2,272.53	1/4	2,614.31	1/4	2,956.13	1/4	3,297.44
1/2	242.72	1/2	584.79	1/2	921.40	1/2	1,254.25	1/2	1,596.05	1/2	1,937.85	1/2	2,279.65	1/2	2,621.43	1/2	2,963.26	1/2	3,304.54
3/4	249.85	3/4	591.91	3/4	928.21	3/4	1,261.37	3/4	1,603.17	3/4	1,944.97	3/4	2,286.77	3/4	2,628.55	3/4	2,970.39	3/4	3,311.64
9	256.98	9	599.03	9	935.02	9	1,268.49	9	1,610.29	9	1,952.09	9	2,293.89	9	2,635.67	9	2,977.52	9	3,318.74
1/4	264.12	1/4	606.15	1/4	941.83	1/4	1,275.62	1/4	1,617.41	1/4	1,959.21	1/4	2,301.01	1/4	2,642.79	1/4	2,984.65	1/4	3,325.84
1/2	271.25	1/2	613.28	1/2	948.64	1/2	1,282.74	1/2	1,624.53	1/2	1,966.33	1/2	2,308.13	1/2	2,649.91	1/2	2,991.79	1/2	3,332.94
3/4	278.38	3/4	620.40	3/4	955.45	3/4	1,289.86	3/4	1,631.66	3/4	1,973.45	3/4	2,315.25	3/4	2,657.03	3/4	2,998.92	3/4	3,340.04
10	285.52	10	627.52	10	962.26	10	1,296.98	10	1,638.78	10	1,980.57	10	2,322.37	10	2,664.15	10	3,006.05	10	3,347.14
1/4	292.65	1/4	634.64	1/4	969.08	1/4	1,304.10	1/4	1,645.90	1/4	1,987.70	1/4	2,329.49	1/4	2,671.27	1/4	3,013.18	1/4	3,354.24
1/2	299.79	1/2	641.76	1/2	975.89	1/2	1,311.22	1/2	1,653.02	1/2	1,994.82	1/2	2,336.61	1/2	2,678.39	1/2	3,020.31	1/2	3,355.81
3/4	306.92	3/4	648.89	3/4	982.70	3/4	1,318.34	3/4	1,660.14	3/4	2,001.94	3/4	2,343.74	3/4	2,685.51	3/4	3,027.44	3/4	3,360.15
11	314.05	11	656.01	11	989.51	11	1,325.46	11	1,667.26	11	2,009.06	11	2,350.86	11	2,692.63	11	3,034.58	11	3,364.49
1/4	321.19	1/4	663.13	1/4	996.32	1/4	1,332.58	1/4	1,674.38	1/4	2,016.18	1/4	2,357.98	1/4	2,699.75	1/4	3,041.69	1/4	3,368.83
1/2	328.32	1/2	670.25	1/2	1,003.13	1/2	1,339.70	1/2	1,681.50	1/2	2,023.30	1/2	2,365.10	1/2	2,706.87	1/2	3,048.81	1/2	3,373.17
3/4	335.45	3/4	677.37	3/4	1,009.94	3/4	1,346.82	3/4	1,688.62	3/4	2,030.42	3/4	2,372.22	3/4	2,713.99	3/4	3,055.92	3/4	3,377.50

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 LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "MPX 412"

3 PORT INNAGE TABLE HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,381.84	0	3,591.13	0	3,800.99	0	4,010.46	0	4,219.40	0		0		0		0		0	
1/4	3,386.20	1/4	3,595.50	1/4	3,805.36	1/4	4,014.81	1/4	4,223.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,390.56	1/2	3,599.87	1/2	3,809.73	1/2	4,019.17	1/2	4,228.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,394.91	3/4	3,604.25	3/4	3,814.10	3/4	4,023.52	3/4	4,232.46	3/4		3/4		3/4		3/4		3/4	
1	3,399.27	1	3,608.62	1	3,818.47	1	4,027.87	1	4,236.81	1		1		1		1		1	
1/4	3,403.62	1/4	3,612.99	1/4	3,822.85	1/4	4,032.22	1/4	4,241.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,407.98	1/2	3,617.36	1/2	3,827.22	1/2	4,036.58	1/2	4,245.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,412.34	3/4	3,621.73	3/4	3,831.59	3/4	4,040.93	3/4	4,249.87	3/4		3/4		3/4		3/4		3/4	
2	3,416.69	2	3,626.11	2	3,835.96	2	4,045.28	2	4,254.22	2		2		2		2		2	
1/4	3,421.05	1/4	3,630.48	1/4	3,840.33	1/4	4,049.64	1/4	4,258.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,425.40	1/2	3,634.85	1/2	3,844.71	1/2	4,053.99	1/2	4,262.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,429.76	3/4	3,639.22	3/4	3,849.08	3/4	4,058.34	3/4	4,267.28	3/4		3/4		3/4		3/4		3/4	
3	3,434.12	3	3,643.59	3	3,853.45	3	4,062.69	3	4,271.63	3		3		3		3		3	
1/4	3,438.47	1/4	3,647.97	1/4	3,857.82	1/4	4,067.05	1/4	4,275.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,442.83	1/2	3,652.34	1/2	3,862.19	1/2	4,071.40	1/2	4,280.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,447.19	3/4	3,656.71	3/4	3,866.57	3/4	4,075.75	3/4	4,284.61	3/4		3/4		3/4		3/4		3/4	
4	3,451.54	4	3,661.08	4	3,870.94	4	4,080.11	4	4,288.94	4		4		4		4		4	
1/4	3,455.90	1/4	3,665.45	1/4	3,875.31	1/4	4,084.46	1/4	4,293.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,460.25	1/2	3,669.83	1/2	3,879.68	1/2	4,088.81	1/2	4,297.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,464.61	3/4	3,674.20	3/4	3,884.05	3/4	4,093.16	3/4	4,301.91	3/4		3/4		3/4		3/4		3/4	
5	3,468.97	5	3,678.57	5	3,888.43	5	4,097.52	5	4,306.24	5		5		5		5		5	
1/4	3,473.32	1/4	3,682.94	1/4	3,892.80	1/4	4,101.87	1/4	4,310.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,477.68	1/2	3,687.31	1/2	3,897.17	1/2	4,106.22	1/2	4,314.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,482.04	3/4	3,691.69	3/4	3,901.54	3/4	4,110.58	3/4	4,319.20	3/4		3/4		3/4		3/4		3/4	
6	3,486.39	6	3,696.06	6	3,905.91	6	4,114.93	6	4,323.52	6		6		6		6		6	
1/4	3,490.75	1/4	3,700.43	1/4	3,910.29	1/4	4,119.28	1/4	4,327.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,495.10	1/2	3,704.80	1/2	3,914.66	1/2	4,123.64	1/2	4,332.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,499.46	3/4	3,709.17	3/4	3,919.03	3/4	4,127.99	3/4	4,336.46	3/4		3/4		3/4		3/4		3/4	
7	3,503.82	7	3,713.55	7	3,923.40	7	4,132.34	7	4,340.77	7		7		7		7		7	
1/4	3,508.17	1/4	3,717.92	1/4	3,927.75	1/4	4,136.69	1/4	4,345.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,512.53	1/2	3,722.29	1/2	3,932.11	1/2	4,141.05	1/2	4,349.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,516.88	3/4	3,726.66	3/4	3,936.46	3/4	4,145.40	3/4	4,353.54	3/4		3/4		3/4		3/4		3/4	
8	3,521.24	8	3,731.03	8	3,940.81	8	4,149.75	8	4,357.80	8		8		8		8		8	
1/4	3,525.60	1/4	3,735.41	1/4	3,945.17	1/4	4,154.11	1/4	4,362.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,529.95	1/2	3,739.78	1/2	3,949.52	1/2	4,158.46	1/2	4,366.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,534.31	3/4	3,744.15	3/4	3,953.87	3/4	4,162.81	3/4	4,368.10	3/4		3/4		3/4		3/4		3/4	
9	3,538.67	9	3,748.52	9	3,958.23	9	4,167.16	9	4,371.53	9		9		9		9		9	
1/4	3,543.04	1/4	3,752.89	1/4	3,962.58	1/4	4,171.52	1/4	4,373.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,547.41	1/2	3,757.27	1/2	3,966.93	1/2	4,175.87	1/2	4,376.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,551.78	3/4	3,761.64	3/4	3,971.28	3/4	4,180.22	3/4	4,378.26	3/4		3/4		3/4		3/4		3/4	
10	3,556.15	10	3,766.01	10	3,975.64	10	4,184.58	10	4,380.51	10		10		10		10		10	
1/4	3,560.53	1/4	3,770.38	1/4	3,979.99	1/4	4,188.93	1/4	4,382.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,564.90	1/2	3,774.75	1/2	3,984.34	1/2	4,193.28	1/2	4,383.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,569.27	3/4	3,779.13	3/4	3,988.70	3/4	4,197.63	3/4	4,385.63	3/4		3/4		3/4		3/4		3/4	
11	3,573.64	11	3,783.50	11	3,993.05	11	4,201.99	11	4,387.34	11		11		11		11		11	
1/4	3,578.01	1/4	3,787.87	1/4	3,997.40	1/4	4,206.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,582.39	1/2	3,792.24	1/2	4,001.75	1/2	4,210.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,586.76	3/4	3,796.61	3/4	4,006.11	3/4	4,215.05	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2021 CL
CALCULATED: 01/08/2021 CL
PRINTED: 01/08/2021 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2021



BARGE "MPX 412"

3 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	14.62	0	342.18	0	684.19	0	1,025.85	0	1,367.73	0	1,709.76	0	2,051.78	0	2,393.81	0	2,735.55	0	3,076.70
1/4	19.07	1/4	349.30	1/4	691.31	1/4	1,032.96	1/4	1,374.86	1/4	1,716.88	1/4	2,058.91	1/4	2,400.93	1/4	2,742.65	1/4	3,083.80
1/2	23.52	1/2	356.43	1/2	698.44	1/2	1,040.07	1/2	1,381.99	1/2	1,724.01	1/2	2,066.03	1/2	2,408.06	1/2	2,749.76	1/2	3,090.91
3/4	27.98	3/4	363.55	3/4	705.56	3/4	1,047.18	3/4	1,389.11	3/4	1,731.13	3/4	2,073.16	3/4	2,415.18	3/4	2,756.87	3/4	3,098.02
1	32.43	1	370.68	1	712.69	1	1,054.29	1	1,396.24	1	1,738.26	1	2,080.28	1	2,422.31	1	2,763.98	1	3,105.13
1/4	38.66	1/4	377.80	1/4	719.81	1/4	1,061.40	1/4	1,403.36	1/4	1,745.39	1/4	2,087.41	1/4	2,429.43	1/4	2,771.08	1/4	3,112.23
1/2	44.89	1/2	384.93	1/2	726.94	1/2	1,068.52	1/2	1,410.49	1/2	1,752.51	1/2	2,094.54	1/2	2,436.56	1/2	2,778.19	1/2	3,119.34
3/4	51.13	3/4	392.05	3/4	734.06	3/4	1,075.63	3/4	1,417.61	3/4	1,759.64	3/4	2,101.66	3/4	2,443.68	3/4	2,785.30	3/4	3,126.45
2	57.36	2	399.18	2	741.19	2	1,082.74	2	1,424.74	2	1,766.76	2	2,108.79	2	2,450.81	2	2,792.41	2	3,133.56
1/4	64.45	1/4	406.30	1/4	748.31	1/4	1,089.86	1/4	1,431.86	1/4	1,773.89	1/4	2,115.91	1/4	2,457.94	1/4	2,799.51	1/4	3,140.65
1/2	71.54	1/2	413.43	1/2	755.44	1/2	1,096.98	1/2	1,438.99	1/2	1,781.01	1/2	2,123.04	1/2	2,465.06	1/2	2,806.62	1/2	3,147.74
3/4	78.63	3/4	420.55	3/4	762.56	3/4	1,104.10	3/4	1,446.11	3/4	1,788.14	3/4	2,130.16	3/4	2,472.19	3/4	2,813.73	3/4	3,154.83
3	85.72	3	427.68	3	769.69	3	1,111.22	3	1,453.24	3	1,795.26	3	2,137.29	3	2,479.31	3	2,820.83	3	3,161.92
1/4	92.83	1/4	434.81	1/4	776.81	1/4	1,118.34	1/4	1,460.37	1/4	1,802.39	1/4	2,144.41	1/4	2,486.44	1/4	2,827.94	1/4	3,169.01
1/2	99.95	1/2	441.93	1/2	783.94	1/2	1,125.47	1/2	1,467.49	1/2	1,809.52	1/2	2,151.54	1/2	2,493.56	1/2	2,835.05	1/2	3,176.10
3/4	107.06	3/4	449.06	3/4	791.07	3/4	1,132.59	3/4	1,474.62	3/4	1,816.64	3/4	2,158.66	3/4	2,500.69	3/4	2,842.16	3/4	3,183.19
4	114.18	4	456.18	4	798.19	4	1,139.72	4	1,481.74	4	1,823.77	4	2,165.79	4	2,507.81	4	2,849.26	4	3,190.28
1/4	121.30	1/4	463.31	1/4	805.32	1/4	1,146.84	1/4	1,488.87	1/4	1,830.89	1/4	2,172.92	1/4	2,514.94	1/4	2,856.37	1/4	3,197.37
1/2	128.42	1/2	470.43	1/2	812.44	1/2	1,153.97	1/2	1,495.99	1/2	1,838.02	1/2	2,180.04	1/2	2,522.07	1/2	2,863.48	1/2	3,204.46
3/4	135.55	3/4	477.56	3/4	819.57	3/4	1,161.09	3/4	1,503.12	3/4	1,845.14	3/4	2,187.17	3/4	2,529.19	3/4	2,870.59	3/4	3,211.54
5	142.67	5	484.68	5	826.69	5	1,168.22	5	1,510.24	5	1,852.27	5	2,194.29	5	2,536.32	5	2,877.69	5	3,218.63
1/4	149.80	1/4	491.81	1/4	833.81	1/4	1,175.35	1/4	1,517.37	1/4	1,859.39	1/4	2,201.42	1/4	2,543.44	1/4	2,884.80	1/4	3,225.72
1/2	156.92	1/2	498.93	1/2	840.93	1/2	1,182.47	1/2	1,524.50	1/2	1,866.52	1/2	2,208.54	1/2	2,550.57	1/2	2,891.91	1/2	3,232.81
3/4	164.05	3/4	506.06	3/4	848.05	3/4	1,189.60	3/4	1,531.62	3/4	1,873.64	3/4	2,215.67	3/4	2,557.70	3/4	2,899.02	3/4	3,239.90
6	171.17	6	513.18	6	855.17	6	1,196.72	6	1,538.75	6	1,880.77	6	2,222.79	6	2,564.82	6	2,906.12	6	3,246.99
1/4	178.30	1/4	520.31	1/4	862.28	1/4	1,203.85	1/4	1,545.87	1/4	1,887.90	1/4	2,229.92	1/4	2,571.95	1/4	2,913.23	1/4	3,254.08
1/2	185.42	1/2	527.43	1/2	869.40	1/2	1,210.97	1/2	1,553.00	1/2	1,895.02	1/2	2,237.05	1/2	2,579.07	1/2	2,920.34	1/2	3,261.17
3/4	192.55	3/4	534.56	3/4	876.51	3/4	1,218.10	3/4	1,560.12	3/4	1,902.15	3/4	2,244.17	3/4	2,586.20	3/4	2,927.44	3/4	3,268.26
7	199.67	7	541.68	7	883.62	7	1,225.22	7	1,567.25	7	1,909.27	7	2,251.30	7	2,593.33	7	2,934.55	7	3,275.35
1/4	206.80	1/4	548.81	1/4	890.73	1/4	1,232.35	1/4	1,574.37	1/4	1,916.40	1/4	2,258.42	1/4	2,600.45	1/4	2,941.66	1/4	3,282.44
1/2	213.92	1/2	555.93	1/2	897.84	1/2	1,239.48	1/2	1,581.50	1/2	1,923.52	1/2	2,265.55	1/2	2,607.58	1/2	2,948.77	1/2	3,289.53
3/4	221.05	3/4	563.06	3/4	904.95	3/4	1,246.60	3/4	1,588.62	3/4	1,930.65	3/4	2,272.67	3/4	2,614.70	3/4	2,955.87	3/4	3,296.62
8	228.17	8	570.18	8	912.06	8	1,253.73	8	1,595.75	8	1,937.77	8	2,279.80	8	2,621.83	8	2,962.98	8	3,303.71
1/4	235.30	1/4	577.31	1/4	919.18	1/4	1,260.85	1/4	1,602.88	1/4	1,944.90	1/4	2,286.92	1/4	2,628.94	1/4	2,970.09	1/4	3,310.80
1/2	242.42	1/2	584.43	1/2	926.29	1/2	1,267.98	1/2	1,610.00	1/2	1,952.03	1/2	2,294.05	1/2	2,636.05	1/2	2,977.20	1/2	3,317.89
3/4	249.55	3/4	591.56	3/4	933.40	3/4	1,275.10	3/4	1,617.13	3/4	1,959.15	3/4	2,301.17	3/4	2,643.15	3/4	2,984.30	3/4	3,324.98
9	256.68	9	598.68	9	940.51	9	1,282.23	9	1,624.25	9	1,966.28	9	2,308.30	9	2,650.26	9	2,991.41	9	3,332.07
1/4	263.80	1/4	605.81	1/4	947.62	1/4	1,289.35	1/4	1,631.38	1/4	1,973.40	1/4	2,315.43	1/4	2,657.37	1/4	2,998.52	1/4	3,339.16
1/2	270.93	1/2	612.94	1/2	954.73	1/2	1,296.48	1/2	1,638.50	1/2	1,980.53	1/2	2,322.55	1/2	2,664.47	1/2	3,005.62	1/2	3,346.25
3/4	278.05	3/4	620.06	3/4	961.84	3/4	1,303.60	3/4	1,645.63	3/4	1,987.65	3/4	2,329.68	3/4	2,671.58	3/4	3,012.73	3/4	3,353.34
10	285.18	10	627.19	10	968.96	10	1,310.73	10	1,652.75	10	1,994.78	10	2,336.80	10	2,678.69	10	3,019.84	10	3,360.43
1/4	292.30	1/4	634.31	1/4	976.07	1/4	1,317.86	1/4	1,659.88	1/4	2,001.90	1/4	2,343.93	1/4	2,685.80	1/4	3,026.95	1/4	3,367.52
1/2	299.43	1/2	641.44	1/2	983.18	1/2	1,324.98	1/2	1,667.01	1/2	2,009.03	1/2	2,351.05	1/2	2,692.90	1/2	3,034.05	1/2	3,369.10
3/4	306.55	3/4	648.56	3/4	990.29	3/4	1,332.11	3/4	1,674.13	3/4	2,016.15	3/4	2,358.18	3/4	2,700.01	3/4	3,041.16	3/4	3,373.44
11	313.68	11	655.69	11	997.40	11	1,339.23	11	1,681.26	11	2,023.28	11	2,365.30	11	2,707.12	11	3,048.27	11	3,377.77
1/4	320.80	1/4	662.81	1/4	1,004.51	1/4	1,346.36	1/4	1,688.38	1/4	2,030.41	1/4	2,372.43	1/4	2,714.23	1/4	3,055.38	1/4	3,382.11
1/2	327.93	1/2	669.94	1/2	1,011.62	1/2	1,353.48	1/2	1,695.51	1/2	2,037.53	1/2	2,379.56	1/2	2,721.33	1/2	3,062.48	1/2	3,386.44
3/4	335.05	3/4	677.06	3/4	1,018.74	3/4	1,360.61	3/4	1,702.63	3/4	2,044.66	3/4	2,386.68	3/4	2,728.44	3/4	3,069.59	3/4	3,390.77

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 412"

3 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,395.11	0	3,604.87	0	3,814.63	0	4,024.01	0	4,232.85	0		0		0		0		0	
1/4	3,399.48	1/4	3,609.24	1/4	3,819.00	1/4	4,028.36	1/4	4,237.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,403.85	1/2	3,613.61	1/2	3,823.37	1/2	4,032.71	1/2	4,241.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,408.22	3/4	3,617.98	3/4	3,827.74	3/4	4,037.06	3/4	4,245.90	3/4		3/4		3/4		3/4		3/4	
1	3,412.59	1	3,622.35	1	3,832.11	1	4,041.41	1	4,250.25	1		1		1		1		1	
1/4	3,416.96	1/4	3,626.72	1/4	3,836.48	1/4	4,045.76	1/4	4,254.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,421.33	1/2	3,631.09	1/2	3,840.85	1/2	4,050.11	1/2	4,258.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,425.70	3/4	3,635.46	3/4	3,845.22	3/4	4,054.46	3/4	4,263.31	3/4		3/4		3/4		3/4		3/4	
2	3,430.07	2	3,639.83	2	3,849.59	2	4,058.81	2	4,267.66	2		2		2		2		2	
1/4	3,434.44	1/4	3,644.20	1/4	3,853.96	1/4	4,063.16	1/4	4,272.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,438.81	1/2	3,648.57	1/2	3,858.33	1/2	4,067.52	1/2	4,276.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,443.18	3/4	3,652.94	3/4	3,862.70	3/4	4,071.87	3/4	4,280.71	3/4		3/4		3/4		3/4		3/4	
3	3,447.55	3	3,657.31	3	3,867.07	3	4,076.22	3	4,285.06	3		3		3		3		3	
1/4	3,451.92	1/4	3,661.68	1/4	3,871.44	1/4	4,080.57	1/4	4,289.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,456.29	1/2	3,666.05	1/2	3,875.81	1/2	4,084.92	1/2	4,293.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,460.66	3/4	3,670.42	3/4	3,880.18	3/4	4,089.27	3/4	4,298.03	3/4		3/4		3/4		3/4		3/4	
4	3,465.03	4	3,674.79	4	3,884.55	4	4,093.62	4	4,302.35	4		4		4		4		4	
1/4	3,469.40	1/4	3,679.16	1/4	3,888.92	1/4	4,097.97	1/4	4,306.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,473.77	1/2	3,683.53	1/2	3,893.29	1/2	4,102.32	1/2	4,311.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,478.14	3/4	3,687.90	3/4	3,897.66	3/4	4,106.67	3/4	4,315.32	3/4		3/4		3/4		3/4		3/4	
5	3,482.51	5	3,692.27	5	3,902.03	5	4,111.02	5	4,319.64	5		5		5		5		5	
1/4	3,486.88	1/4	3,696.64	1/4	3,906.40	1/4	4,115.38	1/4	4,323.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,491.25	1/2	3,701.01	1/2	3,910.77	1/2	4,119.73	1/2	4,328.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,495.62	3/4	3,705.38	3/4	3,915.14	3/4	4,124.08	3/4	4,332.60	3/4		3/4		3/4		3/4		3/4	
6	3,499.99	6	3,709.75	6	3,919.51	6	4,128.43	6	4,336.92	6		6		6		6		6	
1/4	3,504.36	1/4	3,714.12	1/4	3,923.88	1/4	4,132.78	1/4	4,341.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,508.73	1/2	3,718.49	1/2	3,928.25	1/2	4,137.13	1/2	4,345.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,513.10	3/4	3,722.86	3/4	3,932.62	3/4	4,141.48	3/4	4,349.85	3/4		3/4		3/4		3/4		3/4	
7	3,517.47	7	3,727.23	7	3,936.99	7	4,145.83	7	4,354.16	7		7		7		7		7	
1/4	3,521.84	1/4	3,731.60	1/4	3,941.34	1/4	4,150.18	1/4	4,358.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,526.21	1/2	3,735.97	1/2	3,945.69	1/2	4,154.53	1/2	4,362.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,530.58	3/4	3,740.34	3/4	3,950.04	3/4	4,158.88	3/4	4,366.92	3/4		3/4		3/4		3/4		3/4	
8	3,534.95	8	3,744.71	8	3,954.39	8	4,163.24	8	4,371.18	8		8		8		8		8	
1/4	3,539.32	1/4	3,749.08	1/4	3,958.74	1/4	4,167.59	1/4	4,374.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,543.69	1/2	3,753.45	1/2	3,963.09	1/2	4,171.94	1/2	4,378.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,548.06	3/4	3,757.82	3/4	3,967.45	3/4	4,176.29	3/4	4,381.48	3/4		3/4		3/4		3/4		3/4	
9	3,552.43	9	3,762.19	9	3,971.80	9	4,180.64	9	4,384.91	9		9		9		9		9	
1/4	3,556.80	1/4	3,766.56	1/4	3,976.15	1/4	4,184.99	1/4	4,387.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,561.17	1/2	3,770.93	1/2	3,980.50	1/2	4,189.34	1/2	4,389.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,565.54	3/4	3,775.30	3/4	3,984.85	3/4	4,193.69	3/4	4,391.64	3/4		3/4		3/4		3/4		3/4	
10	3,569.91	10	3,779.67	10	3,989.20	10	4,198.04	10	4,393.89	10		10		10		10		10	
1/4	3,574.28	1/4	3,784.04	1/4	3,993.55	1/4	4,202.39	1/4	4,395.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,578.65	1/2	3,788.41	1/2	3,997.90	1/2	4,206.74	1/2	4,397.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,583.02	3/4	3,792.78	3/4	4,002.25	3/4	4,211.10	3/4	4,399.01	3/4		3/4		3/4		3/4		3/4	
11	3,587.39	11	3,797.15	11	4,006.60	11	4,215.45	11	4,400.72	11		11		11		11		11	
1/4	3,591.76	1/4	3,801.52	1/4	4,010.95	1/4	4,219.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,596.13	1/2	3,805.89	1/2	4,015.31	1/2	4,224.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,600.50	3/4	3,810.26	3/4	4,019.66	3/4	4,228.50	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2021 CL
CALCULATED: 01/08/2021 CL
PRINTED: 01/08/2021 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2021



BARGE "MPX 412"

ULLAGE (HERMETIC)

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-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 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

January 7, 2021

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

<http://www.pmacorp.net>



BARGE "MPX 412"

1 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	4,871.40	0	4,530.85	0	4,189.67	0	3,847.20	0	3,504.76	0	3,162.38	0	2,819.96	0	2,477.48
1/4		1/4		1/4	4,864.34	1/4	4,523.74	1/4	4,182.54	1/4	3,840.06	1/4	3,497.62	1/4	3,155.24	1/4	2,812.82	1/4	2,470.34
1/2		1/2		1/2	4,857.28	1/2	4,516.64	1/2	4,175.40	1/2	3,832.93	1/2	3,490.49	1/2	3,148.11	1/2	2,805.69	1/2	2,463.21
3/4		3/4		3/4	4,850.23	3/4	4,509.54	3/4	4,168.27	3/4	3,825.79	3/4	3,483.36	3/4	3,140.98	3/4	2,798.55	3/4	2,456.07
1		1		1	4,843.17	1	4,502.44	1	4,161.13	1	3,818.66	1	3,476.22	1	3,133.85	1	2,791.42	1	2,448.94
1/4		1/4		1/4	4,836.11	1/4	4,495.33	1/4	4,154.00	1/4	3,811.52	1/4	3,469.09	1/4	3,126.71	1/4	2,784.28	1/4	2,441.80
1/2		1/2		1/2	4,829.05	1/2	4,488.23	1/2	4,146.87	1/2	3,804.39	1/2	3,461.96	1/2	3,119.58	1/2	2,777.15	1/2	2,434.67
3/4		3/4		3/4	4,822.00	3/4	4,481.13	3/4	4,139.73	3/4	3,797.25	3/4	3,454.83	3/4	3,112.45	3/4	2,770.01	3/4	2,427.53
2		2		2	4,814.94	2	4,474.03	2	4,132.60	2	3,790.12	2	3,447.69	2	3,105.31	2	2,762.88	2	2,420.40
1/4		1/4		1/4	4,807.84	1/4	4,466.92	1/4	4,125.46	1/4	3,782.99	1/4	3,440.56	1/4	3,098.18	1/4	2,755.75	1/4	2,413.26
1/2		1/2		1/2	4,800.73	1/2	4,459.82	1/2	4,118.33	1/2	3,775.85	1/2	3,433.43	1/2	3,091.05	1/2	2,748.61	1/2	2,406.13
3/4		3/4		3/4	4,793.63	3/4	4,452.72	3/4	4,111.19	3/4	3,768.72	3/4	3,426.29	3/4	3,083.91	3/4	2,741.48	3/4	2,398.99
3		3		3	4,786.53	3	4,445.62	3	4,104.06	3	3,761.58	3	3,419.16	3	3,076.78	3	2,734.34	3	2,391.86
1/4		1/4		1/4	4,779.43	1/4	4,438.52	1/4	4,096.92	1/4	3,754.45	1/4	3,412.03	1/4	3,069.65	1/4	2,727.21	1/4	2,384.72
1/2		1/2		1/2	4,772.32	1/2	4,431.41	1/2	4,089.79	1/2	3,747.31	1/2	3,404.90	1/2	3,062.52	1/2	2,720.07	1/2	2,377.58
3/4		3/4		3/4	4,765.22	3/4	4,424.31	3/4	4,082.65	3/4	3,740.18	3/4	3,397.76	3/4	3,055.38	3/4	2,712.94	3/4	2,370.45
4		4		4	4,758.12	4	4,417.21	4	4,075.52	4	3,733.04	4	3,390.63	4	3,048.25	4	2,705.80	4	2,363.31
1/4		1/4		1/4	4,751.02	1/4	4,410.11	1/4	4,068.38	1/4	3,725.91	1/4	3,383.50	1/4	3,041.12	1/4	2,698.67	1/4	2,356.18
1/2		1/2		1/2	4,743.91	1/2	4,403.00	1/2	4,061.25	1/2	3,718.77	1/2	3,376.36	1/2	3,033.98	1/2	2,691.53	1/2	2,349.04
3/4		3/4		3/4	4,736.81	3/4	4,395.90	3/4	4,054.11	3/4	3,711.64	3/4	3,369.23	3/4	3,026.85	3/4	2,684.40	3/4	2,341.91
5		5		5	4,729.71	5	4,388.80	5	4,046.98	5	3,704.50	5	3,362.10	5	3,019.72	5	2,677.26	5	2,334.77
1/4		1/4		1/4	4,722.61	1/4	4,381.70	1/4	4,039.84	1/4	3,697.37	1/4	3,354.97	1/4	3,012.59	1/4	2,670.13	1/4	2,327.64
1/2		1/2		1/2	4,715.51	1/2	4,374.60	1/2	4,032.71	1/2	3,690.23	1/2	3,347.83	1/2	3,005.45	1/2	2,663.00	1/2	2,320.50
3/4		3/4		3/4	4,708.40	3/4	4,367.49	3/4	4,025.57	3/4	3,683.10	3/4	3,340.70	3/4	2,998.32	3/4	2,655.86	3/4	2,313.37
6		6	5,015.47	6	4,701.30	6	4,360.39	6	4,018.44	6	3,675.96	6	3,333.57	6	2,991.19	6	2,648.73	6	2,306.23
1/4		1/4	5,011.68	1/4	4,694.20	1/4	4,353.29	1/4	4,011.30	1/4	3,668.83	1/4	3,326.43	1/4	2,984.05	1/4	2,641.59	1/4	2,299.10
1/2		1/2	5,007.90	1/2	4,687.10	1/2	4,346.19	1/2	4,004.17	1/2	3,661.69	1/2	3,319.30	1/2	2,976.92	1/2	2,634.46	1/2	2,291.96
3/4		3/4	5,004.11	3/4	4,679.99	3/4	4,339.08	3/4	3,997.03	3/4	3,654.56	3/4	3,312.17	3/4	2,969.78	3/4	2,627.32	3/4	2,284.82
7		7	5,000.32	7	4,672.89	7	4,331.98	7	3,989.90	7	3,647.42	7	3,305.03	7	2,962.65	7	2,620.19	7	2,277.69
1/4		1/4	4,995.35	1/4	4,665.79	1/4	4,324.88	1/4	3,982.76	1/4	3,640.29	1/4	3,297.90	1/4	2,955.51	1/4	2,613.05	1/4	2,270.55
1/2		1/2	4,990.37	1/2	4,658.69	1/2	4,317.78	1/2	3,975.63	1/2	3,633.15	1/2	3,290.77	1/2	2,948.38	1/2	2,605.92	1/2	2,263.42
3/4		3/4	4,985.39	3/4	4,651.58	3/4	4,310.67	3/4	3,968.49	3/4	3,626.02	3/4	3,283.64	3/4	2,941.25	3/4	2,598.78	3/4	2,256.28
8		8	4,980.42	8	4,644.48	8	4,303.57	8	3,961.36	8	3,618.88	8	3,276.50	8	2,934.11	8	2,591.65	8	2,249.15
1/4		1/4	4,974.25	1/4	4,637.38	1/4	4,296.47	1/4	3,954.22	1/4	3,611.75	1/4	3,269.37	1/4	2,926.98	1/4	2,584.51	1/4	2,242.01
1/2		1/2	4,968.09	1/2	4,630.28	1/2	4,289.37	1/2	3,947.09	1/2	3,604.62	1/2	3,262.24	1/2	2,919.84	1/2	2,577.38	1/2	2,234.88
3/4		3/4	4,961.92	3/4	4,623.18	3/4	4,282.27	3/4	3,939.95	3/4	3,597.48	3/4	3,255.10	3/4	2,912.71	3/4	2,570.24	3/4	2,227.74
9		9	4,955.75	9	4,616.07	9	4,275.16	9	3,932.82	9	3,590.35	9	3,247.97	9	2,905.57	9	2,563.10	9	2,220.61
1/4		1/4	4,948.77	1/4	4,608.97	1/4	4,268.06	1/4	3,925.68	1/4	3,583.22	1/4	3,240.84	1/4	2,898.44	1/4	2,555.97	1/4	2,213.47
1/2		1/2	4,941.78	1/2	4,601.87	1/2	4,260.96	1/2	3,918.55	1/2	3,576.09	1/2	3,233.71	1/2	2,891.30	1/2	2,548.83	1/2	2,206.33
3/4		3/4	4,934.79	3/4	4,594.77	3/4	4,253.86	3/4	3,911.41	3/4	3,568.95	3/4	3,226.57	3/4	2,884.17	3/4	2,541.70	3/4	2,199.20
10		10	4,927.80	10	4,587.66	10	4,246.75	10	3,904.28	10	3,561.82	10	3,219.44	10	2,877.03	10	2,534.56	10	2,192.06
1/4		1/4	4,920.76	1/4	4,580.56	1/4	4,239.62	1/4	3,897.14	1/4	3,554.69	1/4	3,212.31	1/4	2,869.90	1/4	2,527.43	1/4	2,184.93
1/2		1/2	4,913.71	1/2	4,573.46	1/2	4,232.48	1/2	3,890.01	1/2	3,547.55	1/2	3,205.17	1/2	2,862.76	1/2	2,520.29	1/2	2,177.79
3/4		3/4	4,906.67	3/4	4,566.36	3/4	4,225.35	3/4	3,882.87	3/4	3,540.42	3/4	3,198.04	3/4	2,855.63	3/4	2,513.16	3/4	2,170.66
11		11	4,899.63	11	4,559.25	11	4,218.21	11	3,875.74	11	3,533.29	11	3,190.91	11	2,848.50	11	2,506.02	11	2,163.52
1/4		1/4	4,892.57	1/4	4,552.15	1/4	4,211.08	1/4	3,868.60	1/4	3,526.15	1/4	3,183.78	1/4	2,841.36	1/4	2,498.89	1/4	2,156.39
1/2		1/2	4,885.51	1/2	4,545.05	1/2	4,203.94	1/2	3,861.47	1/2	3,519.02	1/2	3,176.64	1/2	2,834.23	1/2	2,491.75	1/2	2,149.25
3/4		3/4	4,878.46	3/4	4,537.95	3/4	4,196.81	3/4	3,854.33	3/4	3,511.89	3/4	3,169.51	3/4	2,827.09	3/4	2,484.62	3/4	2,142.12

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 412"

**1 PORT
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,134.98	0	1,792.48	0	1,449.98	0	1,107.48	0	767.48	0	425.84	0	115.36	0		0		0	
1/4	2,127.85	1/4	1,785.35	1/4	1,442.85	1/4	1,100.35	1/4	760.37	1/4	418.91	1/4	109.44	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,120.71	1/2	1,778.21	1/2	1,435.71	1/2	1,093.21	1/2	753.27	1/2	411.98	1/2	103.51	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,113.57	3/4	1,771.08	3/4	1,428.58	3/4	1,086.08	3/4	746.17	3/4	405.05	3/4	97.59	3/4	3/4	3/4	3/4	3/4	3/4
1	2,106.44	1	1,763.94	1	1,421.44	1	1,078.94	1	739.07	1	398.13	1	91.66	1	1	1	1	1	1
1/4	2,099.30	1/4	1,756.80	1/4	1,414.31	1/4	1,071.84	1/4	731.94	1/4	391.28	1/4	85.83	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,092.17	1/2	1,749.67	1/2	1,407.17	1/2	1,064.74	1/2	724.80	1/2	384.44	1/2	80.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,085.03	3/4	1,742.53	3/4	1,400.03	3/4	1,057.64	3/4	717.67	3/4	377.60	3/4	74.16	3/4	3/4	3/4	3/4	3/4	3/4
2	2,077.90	2	1,735.40	2	1,392.90	2	1,050.54	2	710.53	2	370.75	2	68.33	2	2	2	2	2	2
1/4	2,070.76	1/4	1,728.26	1/4	1,385.76	1/4	1,043.45	1/4	703.40	1/4	363.99	1/4	62.61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,063.63	1/2	1,721.13	1/2	1,378.63	1/2	1,036.37	1/2	696.26	1/2	357.23	1/2	56.89	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,056.49	3/4	1,713.99	3/4	1,371.49	3/4	1,029.29	3/4	689.13	3/4	350.47	3/4	51.16	3/4	3/4	3/4	3/4	3/4	3/4
3	2,049.36	3	1,706.86	3	1,364.36	3	1,022.20	3	681.99	3	343.71	3	45.44	3	3	3	3	3	3
1/4	2,042.22	1/4	1,699.72	1/4	1,357.22	1/4	1,015.13	1/4	674.86	1/4	337.04	1/4	40.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,035.09	1/2	1,692.59	1/2	1,350.09	1/2	1,008.05	1/2	667.72	1/2	330.36	1/2	35.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,027.95	3/4	1,685.45	3/4	1,342.95	3/4	1,000.98	3/4	660.59	3/4	323.68	3/4	31.09	3/4	3/4	3/4	3/4	3/4	3/4
4	2,020.81	4	1,678.32	4	1,335.82	4	993.90	4	653.45	4	317.01	4	26.31	4	4	4	4	4	4
1/4	2,013.68	1/4	1,671.18	1/4	1,328.68	1/4	986.83	1/4	646.32	1/4	310.41	1/4	23.39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,006.54	1/2	1,664.04	1/2	1,321.55	1/2	979.75	1/2	639.18	1/2	303.82	1/2	20.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,999.41	3/4	1,656.91	3/4	1,314.41	3/4	972.68	3/4	632.05	3/4	297.23	3/4	17.56	3/4	3/4	3/4	3/4	3/4	3/4
5	1,992.27	5	1,649.77	5	1,307.27	5	965.60	5	624.91	5	290.63	5	14.64	5	5	5	5	5	5
1/4	1,985.14	1/4	1,642.64	1/4	1,300.14	1/4	958.53	1/4	617.78	1/4	284.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,978.00	1/2	1,635.50	1/2	1,293.00	1/2	951.45	1/2	610.64	1/2	277.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,970.87	3/4	1,628.37	3/4	1,285.87	3/4	944.38	3/4	603.51	3/4	271.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,963.73	6	1,621.23	6	1,278.73	6	937.30	6	596.37	6	264.59	6	6	6	6	6	6	6	6
1/4	1,956.60	1/4	1,614.10	1/4	1,271.60	1/4	930.23	1/4	589.23	1/4	258.17	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,949.46	1/2	1,606.96	1/2	1,264.46	1/2	923.15	1/2	582.10	1/2	251.74	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,942.33	3/4	1,599.83	3/4	1,257.33	3/4	916.08	3/4	574.96	3/4	245.32	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,935.19	7	1,592.69	7	1,250.19	7	909.00	7	567.83	7	238.89	7	7	7	7	7	7	7	7
1/4	1,928.05	1/4	1,585.56	1/4	1,243.06	1/4	901.93	1/4	560.69	1/4	232.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,920.92	1/2	1,578.42	1/2	1,235.92	1/2	894.85	1/2	553.56	1/2	226.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,913.78	3/4	1,571.28	3/4	1,228.79	3/4	887.78	3/4	546.42	3/4	219.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,906.65	8	1,564.15	8	1,221.65	8	880.70	8	539.29	8	213.52	8	8	8	8	8	8	8	8
1/4	1,899.51	1/4	1,557.01	1/4	1,214.51	1/4	873.63	1/4	532.15	1/4	207.26	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,892.38	1/2	1,549.88	1/2	1,207.38	1/2	866.56	1/2	525.02	1/2	201.00	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,885.24	3/4	1,542.74	3/4	1,200.24	3/4	859.48	3/4	517.88	3/4	194.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,878.11	9	1,535.61	9	1,193.11	9	852.41	9	510.75	9	188.48	9	9	9	9	9	9	9	9
1/4	1,870.97	1/4	1,528.47	1/4	1,185.97	1/4	845.33	1/4	503.61	1/4	182.30	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,863.84	1/2	1,521.34	1/2	1,178.84	1/2	838.26	1/2	496.48	1/2	176.12	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,856.70	3/4	1,514.20	3/4	1,171.70	3/4	831.18	3/4	489.34	3/4	169.95	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,849.56	10	1,507.07	10	1,164.57	10	824.11	10	482.21	10	163.77	10	10	10	10	10	10	10	10
1/4	1,842.43	1/4	1,499.93	1/4	1,157.43	1/4	817.03	1/4	475.12	1/4	157.68	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,835.29	1/2	1,492.79	1/2	1,150.30	1/2	809.96	1/2	468.03	1/2	151.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,828.16	3/4	1,485.66	3/4	1,143.16	3/4	802.88	3/4	460.94	3/4	145.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,821.02	11	1,478.52	11	1,136.02	11	795.81	11	453.85	11	139.40	11	11	11	11	11	11	11	11
1/4	1,813.89	1/4	1,471.39	1/4	1,128.89	1/4	788.72	1/4	446.85	1/4	133.39	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,806.75	1/2	1,464.25	1/2	1,121.75	1/2	781.64	1/2	439.85	1/2	127.38	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,799.62	3/4	1,457.12	3/4	1,114.62	3/4	774.56	3/4	432.84	3/4	121.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2021 CL
CALCULATED: 01/08/2021 CL
PRINTED: 01/08/2021 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2021



BARGE "MPX 412"

1 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	4,884.05	0	4,542.78	0	4,200.88	0	3,857.68	0	3,514.52	0	3,171.41	0	2,828.26	0	2,485.06
1/4		1/4		1/4	4,876.98	1/4	4,535.66	1/4	4,193.73	1/4	3,850.53	1/4	3,507.37	1/4	3,164.26	1/4	2,821.11	1/4	2,477.91
1/2		1/2		1/2	4,869.90	1/2	4,528.54	1/2	4,186.58	1/2	3,843.38	1/2	3,500.22	1/2	3,157.11	1/2	2,813.96	1/2	2,470.75
3/4		3/4		3/4	4,862.83	3/4	4,521.42	3/4	4,179.43	3/4	3,836.24	3/4	3,493.07	3/4	3,149.97	3/4	2,806.81	3/4	2,463.60
1		1		1	4,855.76	1	4,514.31	1	4,172.28	1	3,829.09	1	3,485.93	1	3,142.82	1	2,799.66	1	2,456.45
1/4		1/4		1/4	4,848.69	1/4	4,507.19	1/4	4,165.13	1/4	3,821.94	1/4	3,478.78	1/4	3,135.67	1/4	2,792.51	1/4	2,449.30
1/2		1/2		1/2	4,841.62	1/2	4,500.07	1/2	4,157.98	1/2	3,814.79	1/2	3,471.63	1/2	3,128.52	1/2	2,785.36	1/2	2,442.15
3/4		3/4		3/4	4,834.54	3/4	4,492.95	3/4	4,150.83	3/4	3,807.64	3/4	3,464.48	3/4	3,121.37	3/4	2,778.21	3/4	2,435.00
2		2		2	4,827.47	2	4,485.84	2	4,143.68	2	3,800.49	2	3,457.33	2	3,114.22	2	2,771.06	2	2,427.85
1/4		1/4		1/4	4,820.35	1/4	4,478.72	1/4	4,136.53	1/4	3,793.34	1/4	3,450.19	1/4	3,107.08	1/4	2,763.91	1/4	2,420.70
1/2		1/2		1/2	4,813.24	1/2	4,471.60	1/2	4,129.38	1/2	3,786.19	1/2	3,443.04	1/2	3,099.93	1/2	2,756.76	1/2	2,413.55
3/4		3/4		3/4	4,806.12	3/4	4,464.48	3/4	4,122.23	3/4	3,779.04	3/4	3,435.89	3/4	3,092.78	3/4	2,749.61	3/4	2,406.40
3		3		3	4,799.00	3	4,457.37	3	4,115.08	3	3,771.89	3	3,428.74	3	3,085.63	3	2,742.46	3	2,399.25
1/4		1/4		1/4	4,791.88	1/4	4,450.25	1/4	4,107.93	1/4	3,764.74	1/4	3,421.59	1/4	3,078.48	1/4	2,735.31	1/4	2,392.10
1/2		1/2		1/2	4,784.77	1/2	4,443.13	1/2	4,100.78	1/2	3,757.59	1/2	3,414.45	1/2	3,071.34	1/2	2,728.16	1/2	2,384.95
3/4		3/4		3/4	4,777.65	3/4	4,436.01	3/4	4,093.63	3/4	3,750.44	3/4	3,407.30	3/4	3,064.19	3/4	2,721.01	3/4	2,377.80
4		4		4	4,770.53	4	4,428.90	4	4,086.48	4	3,743.29	4	3,400.15	4	3,057.04	4	2,713.86	4	2,370.65
1/4		1/4		1/4	4,763.41	1/4	4,421.78	1/4	4,079.33	1/4	3,736.14	1/4	3,393.00	1/4	3,049.89	1/4	2,706.71	1/4	2,363.50
1/2		1/2		1/2	4,756.30	1/2	4,414.66	1/2	4,072.18	1/2	3,728.99	1/2	3,385.85	1/2	3,042.74	1/2	2,699.56	1/2	2,356.35
3/4		3/4		3/4	4,749.18	3/4	4,407.54	3/4	4,065.03	3/4	3,721.84	3/4	3,378.70	3/4	3,035.60	3/4	2,692.41	3/4	2,349.20
5		5		5	4,742.06	5	4,400.43	5	4,057.88	5	3,714.69	5	3,371.56	5	3,028.45	5	2,685.26	5	2,342.05
1/4		1/4		1/4	4,734.95	1/4	4,393.31	1/4	4,050.73	1/4	3,707.54	1/4	3,364.41	1/4	3,021.30	1/4	2,678.11	1/4	2,334.90
1/2		1/2		1/2	4,727.83	1/2	4,386.19	1/2	4,043.58	1/2	3,700.39	1/2	3,357.26	1/2	3,014.15	1/2	2,670.96	1/2	2,327.74
3/4		3/4		3/4	4,720.71	3/4	4,379.08	3/4	4,036.43	3/4	3,693.24	3/4	3,350.11	3/4	3,007.00	3/4	2,663.81	3/4	2,320.59
6		6	5,028.42	6	4,713.59	6	4,371.96	6	4,029.28	6	3,686.09	6	3,342.96	6	2,999.86	6	2,656.66	6	2,313.44
1/4		1/4	5,024.62	1/4	4,706.48	1/4	4,364.84	1/4	4,022.13	1/4	3,678.94	1/4	3,335.82	1/4	2,992.71	1/4	2,649.52	1/4	2,306.29
1/2		1/2	5,020.83	1/2	4,699.36	1/2	4,357.72	1/2	4,014.98	1/2	3,671.79	1/2	3,328.67	1/2	2,985.56	1/2	2,642.37	1/2	2,299.14
3/4		3/4	5,017.03	3/4	4,692.24	3/4	4,350.61	3/4	4,007.83	3/4	3,664.64	3/4	3,321.52	3/4	2,978.41	3/4	2,635.22	3/4	2,291.99
7		7	5,013.24	7	4,685.12	7	4,343.49	7	4,000.68	7	3,657.49	7	3,314.37	7	2,971.26	7	2,628.07	7	2,284.84
1/4		1/4	5,008.25	1/4	4,678.01	1/4	4,336.37	1/4	3,993.53	1/4	3,650.34	1/4	3,307.22	1/4	2,964.11	1/4	2,620.92	1/4	2,277.69
1/2		1/2	5,003.27	1/2	4,670.89	1/2	4,329.25	1/2	3,986.38	1/2	3,643.19	1/2	3,300.08	1/2	2,956.96	1/2	2,613.76	1/2	2,270.54
3/4		3/4	4,998.28	3/4	4,663.77	3/4	4,322.14	3/4	3,979.23	3/4	3,636.04	3/4	3,292.93	3/4	2,949.81	3/4	2,606.61	3/4	2,263.39
8		8	4,993.29	8	4,656.65	8	4,315.02	8	3,972.08	8	3,628.89	8	3,285.78	8	2,942.66	8	2,599.46	8	2,256.24
1/4		1/4	4,987.11	1/4	4,649.54	1/4	4,307.90	1/4	3,964.93	1/4	3,621.74	1/4	3,278.63	1/4	2,935.51	1/4	2,592.31	1/4	2,249.09
1/2		1/2	4,980.93	1/2	4,642.42	1/2	4,300.78	1/2	3,957.78	1/2	3,614.59	1/2	3,271.48	1/2	2,928.36	1/2	2,585.16	1/2	2,241.94
3/4		3/4	4,974.76	3/4	4,635.30	3/4	4,293.67	3/4	3,950.63	3/4	3,607.44	3/4	3,264.33	3/4	2,921.21	3/4	2,578.01	3/4	2,234.79
9		9	4,968.58	9	4,628.18	9	4,286.55	9	3,943.48	9	3,600.30	9	3,257.19	9	2,914.06	9	2,570.86	9	2,227.64
1/4		1/4	4,961.57	1/4	4,621.07	1/4	4,279.43	1/4	3,936.33	1/4	3,593.15	1/4	3,250.04	1/4	2,906.91	1/4	2,563.71	1/4	2,220.49
1/2		1/2	4,954.57	1/2	4,613.95	1/2	4,272.31	1/2	3,929.18	1/2	3,586.00	1/2	3,242.89	1/2	2,899.76	1/2	2,556.56	1/2	2,213.34
3/4		3/4	4,947.57	3/4	4,606.83	3/4	4,265.20	3/4	3,922.03	3/4	3,578.85	3/4	3,235.74	3/4	2,892.61	3/4	2,549.41	3/4	2,206.19
10		10	4,940.56	10	4,599.71	10	4,258.08	10	3,914.88	10	3,571.70	10	3,228.59	10	2,885.46	10	2,542.26	10	2,199.04
1/4		1/4	4,933.51	1/4	4,592.60	1/4	4,250.93	1/4	3,907.73	1/4	3,564.56	1/4	3,221.45	1/4	2,878.31	1/4	2,535.11	1/4	2,191.89
1/2		1/2	4,926.45	1/2	4,585.48	1/2	4,243.78	1/2	3,900.58	1/2	3,557.41	1/2	3,214.30	1/2	2,871.16	1/2	2,527.96	1/2	2,184.73
3/4		3/4	4,919.39	3/4	4,578.36	3/4	4,236.63	3/4	3,893.43	3/4	3,550.26	3/4	3,207.15	3/4	2,864.01	3/4	2,520.81	3/4	2,177.58
11		11	4,912.33	11	4,571.24	11	4,229.48	11	3,886.28	11	3,543.11	11	3,200.00	11	2,856.86	11	2,513.66	11	2,170.43
1/4		1/4	4,905.26	1/4	4,564.13	1/4	4,222.33	1/4	3,879.13	1/4	3,535.96	1/4	3,192.85	1/4	2,849.71	1/4	2,506.51	1/4	2,163.28
1/2		1/2	4,898.19	1/2	4,557.01	1/2	4,215.18	1/2	3,871.98	1/2	3,528.81	1/2	3,185.71	1/2	2,842.56	1/2	2,499.36	1/2	2,156.13
3/4		3/4	4,891.12	3/4	4,549.89	3/4	4,208.03	3/4	3,864.83	3/4	3,521.67	3/4	3,178.56	3/4	2,835.41	3/4	2,492.21	3/4	2,148.98

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 412"

1 STBD
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,141.83	0	1,798.61	0	1,455.38	0	1,112.16	0	769.23	0	426.69	0	115.58	0		0		0	
1/4	2,134.68	1/4	1,791.46	1/4	1,448.23	1/4	1,105.01	1/4	762.08	1/4	419.75	1/4	109.65	1/4	1/4		1/4		1/4
1/2	2,127.53	1/2	1,784.31	1/2	1,441.08	1/2	1,097.86	1/2	754.93	1/2	412.81	1/2	103.71	1/2	1/2		1/2		1/2
3/4	2,120.38	3/4	1,777.16	3/4	1,433.93	3/4	1,090.71	3/4	747.78	3/4	405.86	3/4	97.77	3/4	3/4		3/4		3/4
1	2,113.23	1	1,770.01	1	1,426.78	1	1,083.56	1	740.63	1	398.92	1	91.84	1		1		1	
1/4	2,106.08	1/4	1,762.86	1/4	1,419.63	1/4	1,076.41	1/4	733.48	1/4	392.07	1/4	85.99	1/4	1/4		1/4		1/4
1/2	2,098.93	1/2	1,755.70	1/2	1,412.48	1/2	1,069.26	1/2	726.33	1/2	385.21	1/2	80.15	1/2	1/2		1/2		1/2
3/4	2,091.78	3/4	1,748.55	3/4	1,405.33	3/4	1,062.11	3/4	719.18	3/4	378.35	3/4	74.31	3/4	3/4		3/4		3/4
2	2,084.63	2	1,741.40	2	1,398.18	2	1,054.96	2	712.03	2	371.49	2	68.46	2		2		2	
1/4	2,077.48	1/4	1,734.25	1/4	1,391.03	1/4	1,047.81	1/4	704.88	1/4	364.72	1/4	62.73	1/4	1/4		1/4		1/4
1/2	2,070.33	1/2	1,727.10	1/2	1,383.88	1/2	1,040.66	1/2	697.73	1/2	357.94	1/2	56.99	1/2	1/2		1/2		1/2
3/4	2,063.18	3/4	1,719.95	3/4	1,376.73	3/4	1,033.51	3/4	690.58	3/4	351.17	3/4	51.26	3/4	3/4		3/4		3/4
3	2,056.03	3	1,712.80	3	1,369.58	3	1,026.36	3	683.43	3	344.40	3	45.53	3		3		3	
1/4	2,048.88	1/4	1,705.65	1/4	1,362.43	1/4	1,019.22	1/4	676.28	1/4	337.71	1/4	40.73	1/4	1/4		1/4		1/4
1/2	2,041.72	1/2	1,698.50	1/2	1,355.28	1/2	1,012.07	1/2	669.13	1/2	331.02	1/2	35.94	1/2	1/2		1/2		1/2
3/4	2,034.57	3/4	1,691.35	3/4	1,348.13	3/4	1,004.93	3/4	661.98	3/4	324.33	3/4	31.15	3/4	3/4		3/4		3/4
4	2,027.42	4	1,684.20	4	1,340.98	4	997.79	4	654.83	4	317.64	4	26.36	4		4		4	
1/4	2,020.27	1/4	1,677.05	1/4	1,333.83	1/4	990.65	1/4	647.68	1/4	311.03	1/4	23.44	1/4	1/4		1/4		1/4
1/2	2,013.12	1/2	1,669.90	1/2	1,326.67	1/2	983.51	1/2	640.53	1/2	304.42	1/2	20.51	1/2	1/2		1/2		1/2
3/4	2,005.97	3/4	1,662.75	3/4	1,319.52	3/4	976.37	3/4	633.38	3/4	297.82	3/4	17.59	3/4	3/4		3/4		3/4
5	1,998.82	5	1,655.60	5	1,312.37	5	969.22	5	626.23	5	291.21	5	14.67	5		5		5	
1/4	1,991.67	1/4	1,648.45	1/4	1,305.22	1/4	962.08	1/4	619.07	1/4	284.69	1/4		1/4	1/4		1/4		1/4
1/2	1,984.52	1/2	1,641.30	1/2	1,298.07	1/2	954.94	1/2	611.92	1/2	278.16	1/2		1/2	1/2		1/2		1/2
3/4	1,977.37	3/4	1,634.15	3/4	1,290.92	3/4	947.80	3/4	604.77	3/4	271.64	3/4		3/4	3/4		3/4		3/4
6	1,970.22	6	1,627.00	6	1,283.77	6	940.66	6	597.62	6	265.12	6		6		6		6	
1/4	1,963.07	1/4	1,619.85	1/4	1,276.62	1/4	933.52	1/4	590.47	1/4	258.68	1/4		1/4	1/4		1/4		1/4
1/2	1,955.92	1/2	1,612.69	1/2	1,269.47	1/2	926.37	1/2	583.32	1/2	252.24	1/2		1/2	1/2		1/2		1/2
3/4	1,948.77	3/4	1,605.54	3/4	1,262.32	3/4	919.23	3/4	576.17	3/4	245.80	3/4		3/4	3/4		3/4		3/4
7	1,941.62	7	1,598.39	7	1,255.17	7	912.09	7	569.02	7	239.36	7		7		7		7	
1/4	1,934.47	1/4	1,591.24	1/4	1,248.02	1/4	904.95	1/4	561.87	1/4	233.00	1/4		1/4	1/4		1/4		1/4
1/2	1,927.32	1/2	1,584.09	1/2	1,240.87	1/2	897.81	1/2	554.72	1/2	226.65	1/2		1/2	1/2		1/2		1/2
3/4	1,920.17	3/4	1,576.94	3/4	1,233.72	3/4	890.67	3/4	547.57	3/4	220.29	3/4		3/4	3/4		3/4		3/4
8	1,913.02	8	1,569.79	8	1,226.57	8	883.53	8	540.42	8	213.93	8		8		8		8	
1/4	1,905.87	1/4	1,562.64	1/4	1,219.42	1/4	876.38	1/4	533.27	1/4	207.66	1/4		1/4	1/4		1/4		1/4
1/2	1,898.71	1/2	1,555.49	1/2	1,212.27	1/2	869.24	1/2	526.12	1/2	201.39	1/2		1/2	1/2		1/2		1/2
3/4	1,891.56	3/4	1,548.34	3/4	1,205.12	3/4	862.10	3/4	518.97	3/4	195.12	3/4		3/4	3/4		3/4		3/4
9	1,884.41	9	1,541.19	9	1,197.97	9	854.96	9	511.82	9	188.85	9		9		9		9	
1/4	1,877.26	1/4	1,534.04	1/4	1,190.82	1/4	847.82	1/4	504.67	1/4	182.66	1/4		1/4	1/4		1/4		1/4
1/2	1,870.11	1/2	1,526.89	1/2	1,183.66	1/2	840.68	1/2	497.52	1/2	176.47	1/2		1/2	1/2		1/2		1/2
3/4	1,862.96	3/4	1,519.74	3/4	1,176.51	3/4	833.54	3/4	490.37	3/4	170.28	3/4		3/4	3/4		3/4		3/4
10	1,855.81	10	1,512.59	10	1,169.36	10	826.39	10	483.22	10	164.09	10		10		10		10	
1/4	1,848.66	1/4	1,505.44	1/4	1,162.21	1/4	819.25	1/4	476.11	1/4	157.99	1/4		1/4	1/4		1/4		1/4
1/2	1,841.51	1/2	1,498.29	1/2	1,155.06	1/2	812.11	1/2	469.00	1/2	151.88	1/2		1/2	1/2		1/2		1/2
3/4	1,834.36	3/4	1,491.14	3/4	1,147.91	3/4	804.97	3/4	461.90	3/4	145.78	3/4		3/4	3/4		3/4		3/4
11	1,827.21	11	1,483.99	11	1,140.76	11	797.83	11	454.79	11	139.67	11		11		11		11	
1/4	1,820.06	1/4	1,476.84	1/4	1,133.61	1/4	790.68	1/4	447.76	1/4	133.65	1/4		1/4	1/4		1/4		1/4
1/2	1,812.91	1/2	1,469.68	1/2	1,126.46	1/2	783.53	1/2	440.74	1/2	127.63	1/2		1/2	1/2		1/2		1/2
3/4	1,805.76	3/4	1,462.53	3/4	1,119.31	3/4	776.38	3/4	433.71	3/4	121.61	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2021 CL
CALCULATED: 01/08/2021 CL
PRINTED: 01/08/2021 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2021



BARGE "MPX 412"

2 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	4,937.77	0	4,596.03	0	4,253.67	0	3,910.01	0	3,566.35	0	3,222.69	0	2,878.98	0	2,535.21
1/4		1/4		1/4	4,930.69	1/4	4,588.90	1/4	4,246.51	1/4	3,902.85	1/4	3,559.19	1/4	3,215.53	1/4	2,871.81	1/4	2,528.05
1/2		1/2		1/2	4,923.61	1/2	4,581.77	1/2	4,239.35	1/2	3,895.69	1/2	3,552.03	1/2	3,208.37	1/2	2,864.65	1/2	2,520.89
3/4		3/4		3/4	4,916.52	3/4	4,574.65	3/4	4,232.19	3/4	3,888.53	3/4	3,544.87	3/4	3,201.21	3/4	2,857.49	3/4	2,513.72
1		1		1	4,909.44	1	4,567.52	1	4,225.03	1	3,881.37	1	3,537.71	1	3,194.05	1	2,850.33	1	2,506.56
1/4		1/4		1/4	4,902.36	1/4	4,560.39	1/4	4,217.87	1/4	3,874.21	1/4	3,530.55	1/4	3,186.89	1/4	2,843.17	1/4	2,499.40
1/2		1/2		1/2	4,895.27	1/2	4,553.27	1/2	4,210.71	1/2	3,867.05	1/2	3,523.39	1/2	3,179.73	1/2	2,836.01	1/2	2,492.24
3/4		3/4		3/4	4,888.19	3/4	4,546.14	3/4	4,203.55	3/4	3,859.89	3/4	3,516.23	3/4	3,172.57	3/4	2,828.84	3/4	2,485.08
2		2		2	4,881.11	2	4,539.01	2	4,196.40	2	3,852.73	2	3,509.07	2	3,165.41	2	2,821.68	2	2,477.92
1/4		1/4		1/4	4,873.98	1/4	4,531.89	1/4	4,189.24	1/4	3,845.57	1/4	3,501.91	1/4	3,158.25	1/4	2,814.52	1/4	2,470.75
1/2		1/2		1/2	4,866.85	1/2	4,524.76	1/2	4,182.08	1/2	3,838.42	1/2	3,494.75	1/2	3,151.09	1/2	2,807.36	1/2	2,463.59
3/4		3/4		3/4	4,859.73	3/4	4,517.63	3/4	4,174.92	3/4	3,831.26	3/4	3,487.59	3/4	3,143.93	3/4	2,800.20	3/4	2,456.43
3		3		3	4,852.60	3	4,510.50	3	4,167.76	3	3,824.10	3	3,480.44	3	3,136.77	3	2,793.03	3	2,449.27
1/4		1/4		1/4	4,845.47	1/4	4,503.38	1/4	4,160.60	1/4	3,816.94	1/4	3,473.28	1/4	3,129.61	1/4	2,785.87	1/4	2,442.11
1/2		1/2		1/2	4,838.35	1/2	4,496.25	1/2	4,153.44	1/2	3,809.78	1/2	3,466.12	1/2	3,122.46	1/2	2,778.71	1/2	2,434.94
3/4		3/4		3/4	4,831.22	3/4	4,489.12	3/4	4,146.28	3/4	3,802.62	3/4	3,458.96	3/4	3,115.30	3/4	2,771.55	3/4	2,427.78
4		4		4	4,824.09	4	4,482.00	4	4,139.12	4	3,795.46	4	3,451.80	4	3,108.14	4	2,764.39	4	2,420.62
1/4		1/4		1/4	4,816.97	1/4	4,474.87	1/4	4,131.96	1/4	3,788.30	1/4	3,444.64	1/4	3,100.98	1/4	2,757.23	1/4	2,413.46
1/2		1/2		1/2	4,809.84	1/2	4,467.74	1/2	4,124.80	1/2	3,781.14	1/2	3,437.48	1/2	3,093.82	1/2	2,750.06	1/2	2,406.30
3/4		3/4		3/4	4,802.71	3/4	4,460.62	3/4	4,117.64	3/4	3,773.98	3/4	3,430.32	3/4	3,086.66	3/4	2,742.90	3/4	2,399.14
5		5		5	4,795.58	5	4,453.49	5	4,110.48	5	3,766.82	5	3,423.16	5	3,079.50	5	2,735.74	5	2,391.97
1/4		1/4		1/4	4,788.46	1/4	4,446.36	1/4	4,103.32	1/4	3,759.66	1/4	3,416.00	1/4	3,072.34	1/4	2,728.58	1/4	2,384.81
1/2		1/2		1/2	4,781.33	1/2	4,439.23	1/2	4,096.16	1/2	3,752.50	1/2	3,408.84	1/2	3,065.18	1/2	2,721.42	1/2	2,377.65
3/4		3/4		3/4	4,774.20	3/4	4,432.11	3/4	4,089.00	3/4	3,745.34	3/4	3,401.68	3/4	3,058.02	3/4	2,714.25	3/4	2,370.49
6		6	5,082.33	6	4,767.08	6	4,424.98	6	4,081.84	6	3,738.18	6	3,394.52	6	3,050.86	6	2,707.09	6	2,363.33
1/4		1/4	5,078.53	1/4	4,759.95	1/4	4,417.85	1/4	4,074.68	1/4	3,731.02	1/4	3,387.36	1/4	3,043.70	1/4	2,699.93	1/4	2,356.16
1/2		1/2	5,074.73	1/2	4,752.82	1/2	4,410.73	1/2	4,067.52	1/2	3,723.86	1/2	3,380.20	1/2	3,036.54	1/2	2,692.77	1/2	2,349.00
3/4		3/4	5,070.93	3/4	4,745.70	3/4	4,403.60	3/4	4,060.36	3/4	3,716.70	3/4	3,373.04	3/4	3,029.37	3/4	2,685.61	3/4	2,341.84
7		7	5,067.13	7	4,738.57	7	4,396.47	7	4,053.20	7	3,709.54	7	3,365.88	7	3,022.21	7	2,678.45	7	2,334.68
1/4		1/4	5,062.14	1/4	4,731.44	1/4	4,389.35	1/4	4,046.04	1/4	3,702.38	1/4	3,358.72	1/4	3,015.05	1/4	2,671.28	1/4	2,327.52
1/2		1/2	5,057.14	1/2	4,724.31	1/2	4,382.22	1/2	4,038.88	1/2	3,695.22	1/2	3,351.56	1/2	3,007.89	1/2	2,664.12	1/2	2,320.36
3/4		3/4	5,052.15	3/4	4,717.19	3/4	4,375.09	3/4	4,031.72	3/4	3,688.06	3/4	3,344.40	3/4	3,000.73	3/4	2,656.96	3/4	2,313.19
8		8	5,047.16	8	4,710.06	8	4,367.96	8	4,024.56	8	3,680.90	8	3,337.24	8	2,993.56	8	2,649.80	8	2,306.03
1/4		1/4	5,040.97	1/4	4,702.93	1/4	4,360.84	1/4	4,017.41	1/4	3,673.74	1/4	3,330.08	1/4	2,986.40	1/4	2,642.64	1/4	2,298.87
1/2		1/2	5,034.78	1/2	4,695.81	1/2	4,353.71	1/2	4,010.25	1/2	3,666.58	1/2	3,322.92	1/2	2,979.24	1/2	2,635.47	1/2	2,291.71
3/4		3/4	5,028.60	3/4	4,688.68	3/4	4,346.58	3/4	4,003.09	3/4	3,659.43	3/4	3,315.76	3/4	2,972.08	3/4	2,628.31	3/4	2,284.55
9		9	5,022.41	9	4,681.55	9	4,339.46	9	3,995.93	9	3,652.27	9	3,308.60	9	2,964.92	9	2,621.15	9	2,277.38
1/4		1/4	5,015.40	1/4	4,674.43	1/4	4,332.33	1/4	3,988.77	1/4	3,645.11	1/4	3,301.45	1/4	2,957.76	1/4	2,613.99	1/4	2,270.22
1/2		1/2	5,008.38	1/2	4,667.30	1/2	4,325.20	1/2	3,981.61	1/2	3,637.95	1/2	3,294.29	1/2	2,950.59	1/2	2,606.83	1/2	2,263.06
3/4		3/4	5,001.37	3/4	4,660.17	3/4	4,318.08	3/4	3,974.45	3/4	3,630.79	3/4	3,287.13	3/4	2,943.43	3/4	2,599.67	3/4	2,255.90
10		10	4,994.36	10	4,653.04	10	4,310.95	10	3,967.29	10	3,623.63	10	3,279.97	10	2,936.27	10	2,592.50	10	2,248.74
1/4		1/4	4,987.29	1/4	4,645.92	1/4	4,303.79	1/4	3,960.13	1/4	3,616.47	1/4	3,272.81	1/4	2,929.11	1/4	2,585.34	1/4	2,241.58
1/2		1/2	4,980.22	1/2	4,638.79	1/2	4,296.63	1/2	3,952.97	1/2	3,609.31	1/2	3,265.65	1/2	2,921.95	1/2	2,578.18	1/2	2,234.41
3/4		3/4	4,973.16	3/4	4,631.66	3/4	4,289.47	3/4	3,945.81	3/4	3,602.15	3/4	3,258.49	3/4	2,914.78	3/4	2,571.02	3/4	2,227.25
11		11	4,966.09	11	4,624.54	11	4,282.31	11	3,938.65	11	3,594.99	11	3,251.33	11	2,907.62	11	2,563.86	11	2,220.09
1/4		1/4	4,959.01	1/4	4,617.41	1/4	4,275.15	1/4	3,931.49	1/4	3,587.83	1/4	3,244.17	1/4	2,900.46	1/4	2,556.69	1/4	2,212.93
1/2		1/2	4,951.93	1/2	4,610.28	1/2	4,267.99	1/2	3,924.33	1/2	3,580.67	1/2	3,237.01	1/2	2,893.30	1/2	2,549.53	1/2	2,205.77
3/4		3/4	4,944.85	3/4	4,603.16	3/4	4,260.83	3/4	3,917.17	3/4	3,573.51	3/4	3,229.85	3/4	2,886.14	3/4	2,542.37	3/4	2,198.60

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 412"

2 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,191.44	0	1,847.68	0	1,503.91	0	1,160.14	0	829.77	0	487.15	0	143.40	0		0		0	
1/4	2,184.28	1/4	1,840.51	1/4	1,496.75	1/4	1,152.98	1/4	822.89	1/4	479.99	1/4	136.24	1/4	1/4	1/4		1/4	
1/2	2,177.12	1/2	1,833.35	1/2	1,489.59	1/2	1,145.82	1/2	816.01	1/2	472.83	1/2	129.08	1/2	1/2	1/2		1/2	
3/4	2,169.96	3/4	1,826.19	3/4	1,482.42	3/4	1,138.66	3/4	809.13	3/4	465.66	3/4	121.92	3/4	3/4	3/4		3/4	
1	2,162.80	1	1,819.03	1	1,475.26	1	1,131.50	1	802.26	1	458.50	1	114.76	1	1	1		1	
1/4	2,155.63	1/4	1,811.87	1/4	1,468.10	1/4	1,124.62	1/4	795.09	1/4	451.34	1/4	107.61	1/4	1/4	1/4		1/4	
1/2	2,148.47	1/2	1,804.71	1/2	1,460.94	1/2	1,117.74	1/2	787.93	1/2	444.18	1/2	100.45	1/2	1/2	1/2		1/2	
3/4	2,141.31	3/4	1,797.54	3/4	1,453.78	3/4	1,110.86	3/4	780.77	3/4	437.02	3/4	93.30	3/4	3/4	3/4		3/4	
2	2,134.15	2	1,790.38	2	1,446.62	2	1,103.98	2	773.61	2	429.86	2	86.15	2	2	2		2	
1/4	2,126.99	1/4	1,783.22	1/4	1,439.45	1/4	1,097.12	1/4	766.45	1/4	422.70	1/4	79.03	1/4	1/4	1/4		1/4	
1/2	2,119.83	1/2	1,776.06	1/2	1,432.29	1/2	1,090.26	1/2	759.29	1/2	415.53	1/2	71.90	1/2	1/2	1/2		1/2	
3/4	2,112.66	3/4	1,768.90	3/4	1,425.13	3/4	1,083.40	3/4	752.12	3/4	408.37	3/4	64.78	3/4	3/4	3/4		3/4	
3	2,105.50	3	1,761.74	3	1,417.97	3	1,076.53	3	744.96	3	401.21	3	57.65	3	3	3		3	
1/4	2,098.34	1/4	1,754.57	1/4	1,410.81	1/4	1,069.68	1/4	737.80	1/4	394.05	1/4	51.39	1/4	1/4	1/4		1/4	
1/2	2,091.18	1/2	1,747.41	1/2	1,403.65	1/2	1,062.83	1/2	730.64	1/2	386.89	1/2	45.12	1/2	1/2	1/2		1/2	
3/4	2,084.02	3/4	1,740.25	3/4	1,396.48	3/4	1,055.97	3/4	723.48	3/4	379.73	3/4	38.86	3/4	3/4	3/4		3/4	
4	2,076.85	4	1,733.09	4	1,389.32	4	1,049.12	4	716.32	4	372.57	4	32.59	4	4	4		4	
1/4	2,069.69	1/4	1,725.93	1/4	1,382.16	1/4	1,042.26	1/4	709.16	1/4	365.40	1/4	28.12	1/4	1/4	1/4		1/4	
1/2	2,062.53	1/2	1,718.76	1/2	1,375.00	1/2	1,035.41	1/2	701.99	1/2	358.24	1/2	23.64	1/2	1/2	1/2		1/2	
3/4	2,055.37	3/4	1,711.60	3/4	1,367.84	3/4	1,028.56	3/4	694.83	3/4	351.08	3/4	19.17	3/4	3/4	3/4		3/4	
5	2,048.21	5	1,704.44	5	1,360.67	5	1,021.70	5	687.67	5	343.92	5	14.69	5	5	5		5	
1/4	2,041.05	1/4	1,697.28	1/4	1,353.51	1/4	1,014.85	1/4	680.51	1/4	336.76	1/4		1/4	1/4	1/4		1/4	
1/2	2,033.88	1/2	1,690.12	1/2	1,346.35	1/2	1,008.00	1/2	673.35	1/2	329.60	1/2		1/2	1/2	1/2		1/2	
3/4	2,026.72	3/4	1,682.96	3/4	1,339.19	3/4	1,001.14	3/4	666.19	3/4	322.43	3/4		3/4	3/4	3/4		3/4	
6	2,019.56	6	1,675.79	6	1,332.03	6	994.29	6	659.03	6	315.27	6		6	6	6		6	
1/4	2,012.40	1/4	1,668.63	1/4	1,324.87	1/4	987.44	1/4	651.86	1/4	308.11	1/4		1/4	1/4	1/4		1/4	
1/2	2,005.24	1/2	1,661.47	1/2	1,317.70	1/2	980.58	1/2	644.70	1/2	300.95	1/2		1/2	1/2	1/2		1/2	
3/4	1,998.07	3/4	1,654.31	3/4	1,310.54	3/4	973.73	3/4	637.54	3/4	293.79	3/4		3/4	3/4	3/4		3/4	
7	1,990.91	7	1,647.15	7	1,303.38	7	966.87	7	630.38	7	286.63	7		7	7	7		7	
1/4	1,983.75	1/4	1,639.98	1/4	1,296.22	1/4	960.02	1/4	623.22	1/4	279.47	1/4		1/4	1/4	1/4		1/4	
1/2	1,976.59	1/2	1,632.82	1/2	1,289.06	1/2	953.17	1/2	616.06	1/2	272.30	1/2		1/2	1/2	1/2		1/2	
3/4	1,969.43	3/4	1,625.66	3/4	1,281.89	3/4	946.31	3/4	608.89	3/4	265.14	3/4		3/4	3/4	3/4		3/4	
8	1,962.27	8	1,618.50	8	1,274.73	8	939.46	8	601.73	8	257.98	8		8	8	8		8	
1/4	1,955.10	1/4	1,611.34	1/4	1,267.57	1/4	932.61	1/4	594.57	1/4	250.82	1/4		1/4	1/4	1/4		1/4	
1/2	1,947.94	1/2	1,604.18	1/2	1,260.41	1/2	925.75	1/2	587.41	1/2	243.66	1/2		1/2	1/2	1/2		1/2	
3/4	1,940.78	3/4	1,597.01	3/4	1,253.25	3/4	918.90	3/4	580.25	3/4	236.50	3/4		3/4	3/4	3/4		3/4	
9	1,933.62	9	1,589.85	9	1,246.09	9	912.05	9	573.09	9	229.34	9		9	9	9		9	
1/4	1,926.46	1/4	1,582.69	1/4	1,238.92	1/4	905.19	1/4	565.93	1/4	222.17	1/4		1/4	1/4	1/4		1/4	
1/2	1,919.29	1/2	1,575.53	1/2	1,231.76	1/2	898.34	1/2	558.76	1/2	215.01	1/2		1/2	1/2	1/2		1/2	
3/4	1,912.13	3/4	1,568.37	3/4	1,224.60	3/4	891.48	3/4	551.60	3/4	207.85	3/4		3/4	3/4	3/4		3/4	
10	1,904.97	10	1,561.20	10	1,217.44	10	884.63	10	544.44	10	200.69	10		10	10	10		10	
1/4	1,897.81	1/4	1,554.04	1/4	1,210.28	1/4	877.78	1/4	537.28	1/4	193.53	1/4		1/4	1/4	1/4		1/4	
1/2	1,890.65	1/2	1,546.88	1/2	1,203.11	1/2	870.92	1/2	530.12	1/2	186.37	1/2		1/2	1/2	1/2		1/2	
3/4	1,883.49	3/4	1,539.72	3/4	1,195.95	3/4	864.07	3/4	522.96	3/4	179.20	3/4		3/4	3/4	3/4		3/4	
11	1,876.32	11	1,532.56	11	1,188.79	11	857.22	11	515.80	11	172.04	11		11	11	11		11	
1/4	1,869.16	1/4	1,525.40	1/4	1,181.63	1/4	850.36	1/4	508.63	1/4	164.88	1/4		1/4	1/4	1/4		1/4	
1/2	1,862.00	1/2	1,518.23	1/2	1,174.47	1/2	843.49	1/2	501.47	1/2	157.72	1/2		1/2	1/2	1/2		1/2	
3/4	1,854.84	3/4	1,511.07	3/4	1,167.31	3/4	836.63	3/4	494.31	3/4	150.56	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2021 CL
CALCULATED: 01/08/2021 CL
PRINTED: 01/08/2021 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2021



BARGE "MPX 412"

2 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	4,941.56	0	4,599.93	0	4,257.69	0	3,914.16	0	3,570.68	0	3,227.26	0	2,883.78	0	2,540.26
1/4		1/4		1/4	4,934.49	1/4	4,592.81	1/4	4,250.53	1/4	3,907.01	1/4	3,563.52	1/4	3,220.10	1/4	2,876.63	1/4	2,533.11
1/2		1/2		1/2	4,927.41	1/2	4,585.68	1/2	4,243.37	1/2	3,899.85	1/2	3,556.37	1/2	3,212.95	1/2	2,869.47	1/2	2,525.95
3/4		3/4		3/4	4,920.33	3/4	4,578.56	3/4	4,236.22	3/4	3,892.69	3/4	3,549.21	3/4	3,205.79	3/4	2,862.31	3/4	2,518.79
1		1		1	4,913.25	1	4,571.44	1	4,229.06	1	3,885.54	1	3,542.06	1	3,198.64	1	2,855.16	1	2,511.64
1/4		1/4		1/4	4,906.17	1/4	4,564.31	1/4	4,221.90	1/4	3,878.38	1/4	3,534.90	1/4	3,191.48	1/4	2,848.00	1/4	2,504.48
1/2		1/2		1/2	4,899.09	1/2	4,557.19	1/2	4,214.75	1/2	3,871.22	1/2	3,527.75	1/2	3,184.33	1/2	2,840.84	1/2	2,497.32
3/4		3/4		3/4	4,892.02	3/4	4,550.06	3/4	4,207.59	3/4	3,864.07	3/4	3,520.60	3/4	3,177.17	3/4	2,833.69	3/4	2,490.17
2		2		2	4,884.89	2	4,542.94	2	4,200.43	2	3,856.91	2	3,513.44	2	3,170.02	2	2,826.53	2	2,483.01
1/4		1/4		1/4	4,877.77	1/4	4,535.82	1/4	4,193.28	1/4	3,849.75	1/4	3,506.29	1/4	3,162.87	1/4	2,819.37	1/4	2,475.85
1/2		1/2		1/2	4,870.64	1/2	4,528.69	1/2	4,186.12	1/2	3,842.60	1/2	3,499.13	1/2	3,155.71	1/2	2,812.22	1/2	2,468.70
3/4		3/4		3/4	4,863.52	3/4	4,521.57	3/4	4,178.96	3/4	3,835.44	3/4	3,491.98	3/4	3,148.56	3/4	2,805.06	3/4	2,461.54
3		3		3	4,856.40	3	4,514.44	3	4,171.80	3	3,828.28	3	3,484.82	3	3,141.40	3	2,797.90	3	2,454.38
1/4		1/4		1/4	4,849.27	1/4	4,507.32	1/4	4,164.65	1/4	3,821.13	1/4	3,477.67	1/4	3,134.25	1/4	2,790.75	1/4	2,447.23
1/2		1/2		1/2	4,842.15	1/2	4,500.20	1/2	4,157.49	1/2	3,813.97	1/2	3,470.51	1/2	3,127.09	1/2	2,783.59	1/2	2,440.07
3/4		3/4		3/4	4,835.02	3/4	4,493.07	3/4	4,150.33	3/4	3,806.81	3/4	3,463.36	3/4	3,119.94	3/4	2,776.43	3/4	2,432.91
4		4		4	4,827.90	4	4,485.95	4	4,143.18	4	3,799.66	4	3,456.20	4	3,112.78	4	2,769.28	4	2,425.75
1/4		1/4		1/4	4,820.78	1/4	4,478.82	1/4	4,136.02	1/4	3,792.50	1/4	3,449.05	1/4	3,105.63	1/4	2,762.12	1/4	2,418.60
1/2		1/2		1/2	4,813.65	1/2	4,471.70	1/2	4,128.86	1/2	3,785.34	1/2	3,441.90	1/2	3,098.47	1/2	2,754.96	1/2	2,411.44
3/4		3/4		3/4	4,806.53	3/4	4,464.58	3/4	4,121.71	3/4	3,778.19	3/4	3,434.74	3/4	3,091.32	3/4	2,747.81	3/4	2,404.28
5		5		5	4,799.40	5	4,457.45	5	4,114.55	5	3,771.03	5	3,427.59	5	3,084.17	5	2,740.65	5	2,397.13
1/4		1/4		1/4	4,792.28	1/4	4,450.33	1/4	4,107.39	1/4	3,763.87	1/4	3,420.43	1/4	3,077.01	1/4	2,733.49	1/4	2,389.97
1/2		1/2		1/2	4,785.16	1/2	4,443.20	1/2	4,100.24	1/2	3,756.72	1/2	3,413.28	1/2	3,069.86	1/2	2,726.34	1/2	2,382.81
3/4		3/4		3/4	5,093.15	3/4	4,778.03	3/4	4,436.08	3/4	4,093.08	3/4	3,749.56	3/4	3,406.12	3/4	3,062.70	3/4	2,719.18
6		6		6	5,089.35	6	4,770.91	6	4,428.96	6	4,085.92	6	3,742.40	6	3,398.97	6	3,055.54	6	2,712.02
1/4		1/4		1/4	5,085.55	1/4	4,763.78	1/4	4,421.83	1/4	4,078.77	1/4	3,735.25	1/4	3,391.81	1/4	3,048.39	1/4	2,704.87
1/2		1/2		1/2	5,081.75	1/2	4,756.66	1/2	4,414.71	1/2	4,071.61	1/2	3,728.09	1/2	3,384.66	1/2	3,041.23	1/2	2,697.71
3/4		3/4		3/4	5,077.95	3/4	4,749.54	3/4	4,407.58	3/4	4,064.45	3/4	3,720.93	3/4	3,377.50	3/4	3,034.07	3/4	2,690.55
7		7		7	5,072.96	7	4,742.41	7	4,400.46	7	4,057.30	7	3,713.78	7	3,370.35	7	3,026.92	7	2,683.40
1/4		1/4		1/4	5,067.97	1/4	4,735.29	1/4	4,393.34	1/4	4,050.14	1/4	3,706.62	1/4	3,363.19	1/4	3,019.76	1/4	2,676.24
1/2		1/2		1/2	5,062.98	1/2	4,728.16	1/2	4,386.21	1/2	4,042.98	1/2	3,699.46	1/2	3,356.04	1/2	3,012.60	1/2	2,669.08
3/4		3/4		3/4	5,057.99	3/4	4,721.04	3/4	4,379.09	3/4	4,035.83	3/4	3,692.31	3/4	3,348.89	3/4	3,005.45	3/4	2,661.93
8		8		8	5,051.80	8	4,713.92	8	4,371.96	8	4,028.67	8	3,685.15	8	3,341.73	8	2,998.29	8	2,654.77
1/4		1/4		1/4	5,045.62	1/4	4,706.79	1/4	4,364.84	1/4	4,021.51	1/4	3,678.00	1/4	3,334.58	1/4	2,991.13	1/4	2,647.61
1/2		1/2		1/2	5,039.43	1/2	4,699.67	1/2	4,357.72	1/2	4,014.36	1/2	3,670.84	1/2	3,327.42	1/2	2,983.98	1/2	2,640.46
3/4		3/4		3/4	5,033.25	3/4	4,692.54	3/4	4,350.59	3/4	4,007.20	3/4	3,663.69	3/4	3,320.27	3/4	2,976.82	3/4	2,633.30
9		9		9	5,026.24	9	4,685.42	9	4,343.47	9	4,000.04	9	3,656.53	9	3,313.11	9	2,969.66	9	2,626.14
1/4		1/4		1/4	5,019.23	1/4	4,678.30	1/4	4,336.34	1/4	3,992.89	1/4	3,649.38	1/4	3,305.96	1/4	2,962.51	1/4	2,618.99
1/2		1/2		1/2	5,012.22	1/2	4,671.17	1/2	4,329.22	1/2	3,985.73	1/2	3,642.22	1/2	3,298.80	1/2	2,955.35	1/2	2,611.83
3/4		3/4		3/4	5,005.21	3/4	4,664.05	3/4	4,322.10	3/4	3,978.57	3/4	3,635.07	3/4	3,291.65	3/4	2,948.19	3/4	2,604.67
10		10		10	4,998.15	10	4,656.92	10	4,314.94	10	3,971.42	10	3,627.91	10	3,284.49	10	2,941.04	10	2,597.52
1/4		1/4		1/4	4,991.08	1/4	4,649.80	1/4	4,307.78	1/4	3,964.26	1/4	3,620.76	1/4	3,277.34	1/4	2,933.88	1/4	2,590.36
1/2		1/2		1/2	4,984.02	1/2	4,642.68	1/2	4,300.63	1/2	3,957.10	1/2	3,613.61	1/2	3,270.18	1/2	2,926.72	1/2	2,583.20
3/4		3/4		3/4	4,976.95	3/4	4,635.55	3/4	4,293.47	3/4	3,949.95	3/4	3,606.45	3/4	3,263.03	3/4	2,919.57	3/4	2,576.05
11		11		11	4,969.87	11	4,628.43	11	4,286.31	11	3,942.79	11	3,599.30	11	3,255.88	11	2,912.41	11	2,568.89
1/4		1/4		1/4	4,962.80	1/4	4,621.30	1/4	4,279.16	1/4	3,935.63	1/4	3,592.14	1/4	3,248.72	1/4	2,905.25	1/4	2,561.73
1/2		1/2		1/2	4,955.72	1/2	4,614.18	1/2	4,272.00	1/2	3,928.48	1/2	3,584.99	1/2	3,241.57	1/2	2,898.10	1/2	2,554.58
3/4		3/4		3/4	4,948.64	3/4	4,607.06	3/4	4,264.84	3/4	3,921.32	3/4	3,577.83	3/4	3,234.41	3/4	2,890.94	3/4	2,547.42

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 412"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,196.74	0	1,853.22	0	1,509.70	0	1,166.18	0	823.15	0	479.64	0	136.14	0		0		0	
1/4	2,189.58	1/4	1,846.06	1/4	1,502.54	1/4	1,159.02	1/4	815.99	1/4	472.49	1/4	128.98	1/4	1/4		1/4		1/4
1/2	2,182.43	1/2	1,838.91	1/2	1,495.38	1/2	1,151.86	1/2	808.84	1/2	465.33	1/2	121.83	1/2	1/2		1/2		1/2
3/4	2,175.27	3/4	1,831.75	3/4	1,488.23	3/4	1,144.71	3/4	801.68	3/4	458.17	3/4	114.67	3/4	3/4		3/4		3/4
1	2,168.11	1	1,824.59	1	1,481.07	1	1,137.55	1	794.53	1	451.02	1	107.53	1	1		1		1
1/4	2,160.96	1/4	1,817.44	1/4	1,473.91	1/4	1,130.39	1/4	787.37	1/4	443.86	1/4	100.38	1/4	1/4		1/4		1/4
1/2	2,153.80	1/2	1,810.28	1/2	1,466.76	1/2	1,123.24	1/2	780.21	1/2	436.71	1/2	93.23	1/2	1/2		1/2		1/2
3/4	2,146.64	3/4	1,803.12	3/4	1,459.60	3/4	1,116.08	3/4	773.06	3/4	429.55	3/4	86.09	3/4	3/4		3/4		3/4
2	2,139.49	2	1,795.97	2	1,452.44	2	1,108.93	2	765.90	2	422.39	2	78.97	2	2		2		2
1/4	2,132.33	1/4	1,788.81	1/4	1,445.29	1/4	1,101.78	1/4	758.74	1/4	415.24	1/4	71.85	1/4	1/4		1/4		1/4
1/2	2,125.17	1/2	1,781.65	1/2	1,438.13	1/2	1,094.63	1/2	751.59	1/2	408.08	1/2	64.73	1/2	1/2		1/2		1/2
3/4	2,118.02	3/4	1,774.50	3/4	1,430.97	3/4	1,087.48	3/4	744.43	3/4	400.92	3/4	57.61	3/4	3/4		3/4		3/4
3	2,110.86	3	1,767.34	3	1,423.82	3	1,080.33	3	737.27	3	393.77	3	51.35	3	3		3		3
1/4	2,103.70	1/4	1,760.18	1/4	1,416.66	1/4	1,073.19	1/4	730.12	1/4	386.61	1/4	45.09	1/4	1/4		1/4		1/4
1/2	2,096.55	1/2	1,753.03	1/2	1,409.50	1/2	1,066.05	1/2	722.96	1/2	379.45	1/2	38.83	1/2	1/2		1/2		1/2
3/4	2,089.39	3/4	1,745.87	3/4	1,402.35	3/4	1,058.91	3/4	715.80	3/4	372.30	3/4	32.57	3/4	3/4		3/4		3/4
4	2,082.23	4	1,738.71	4	1,395.19	4	1,051.76	4	708.65	4	365.14	4	28.09	4	4		4		4
1/4	2,075.08	1/4	1,731.56	1/4	1,388.03	1/4	1,044.62	1/4	701.49	1/4	357.98	1/4	23.62	1/4	1/4		1/4		1/4
1/2	2,067.92	1/2	1,724.40	1/2	1,380.88	1/2	1,037.48	1/2	694.34	1/2	350.83	1/2	19.15	1/2	1/2		1/2		1/2
3/4	2,060.76	3/4	1,717.24	3/4	1,373.72	3/4	1,030.34	3/4	687.18	3/4	343.67	3/4	14.68	3/4	3/4		3/4		3/4
5	2,053.61	5	1,710.08	5	1,366.56	5	1,023.19	5	680.02	5	336.52	6		5	5		5		5
1/4	2,046.45	1/4	1,702.93	1/4	1,359.41	1/4	1,016.05	1/4	672.87	1/4	329.36	1/4		1/4	1/4		1/4		1/4
1/2	2,039.29	1/2	1,695.77	1/2	1,352.25	1/2	1,008.91	1/2	665.71	1/2	322.20	1/2		1/2	1/2		1/2		1/2
3/4	2,032.14	3/4	1,688.61	3/4	1,345.09	3/4	1,001.76	3/4	658.55	3/4	315.05	3/4		3/4	3/4		3/4		3/4
6	2,024.98	6	1,681.46	6	1,337.94	6	994.62	6	651.40	6	307.89	6		6	6		6		6
1/4	2,017.82	1/4	1,674.30	1/4	1,330.78	1/4	987.48	1/4	644.24	1/4	300.73	1/4		1/4	1/4		1/4		1/4
1/2	2,010.67	1/2	1,667.14	1/2	1,323.62	1/2	980.34	1/2	637.08	1/2	293.58	1/2		1/2	1/2		1/2		1/2
3/4	2,003.51	3/4	1,659.99	3/4	1,316.47	3/4	973.19	3/4	629.93	3/4	286.42	3/4		3/4	3/4		3/4		3/4
7	1,996.35	7	1,652.83	7	1,309.31	7	966.05	7	622.77	7	279.26	7		7	7		7		7
1/4	1,989.20	1/4	1,645.67	1/4	1,302.15	1/4	958.91	1/4	615.62	1/4	272.11	1/4		1/4	1/4		1/4		1/4
1/2	1,982.04	1/2	1,638.52	1/2	1,295.00	1/2	951.77	1/2	608.46	1/2	264.95	1/2		1/2	1/2		1/2		1/2
3/4	1,974.88	3/4	1,631.36	3/4	1,287.84	3/4	944.62	3/4	601.30	3/4	257.80	3/4		3/4	3/4		3/4		3/4
8	1,967.73	8	1,624.20	8	1,280.68	8	937.48	8	594.15	8	250.64	8		8	8		8		8
1/4	1,960.57	1/4	1,617.05	1/4	1,273.53	1/4	930.34	1/4	586.99	1/4	243.48	1/4		1/4	1/4		1/4		1/4
1/2	1,953.41	1/2	1,609.89	1/2	1,266.37	1/2	923.20	1/2	579.83	1/2	236.33	1/2		1/2	1/2		1/2		1/2
3/4	1,946.26	3/4	1,602.73	3/4	1,259.21	3/4	916.05	3/4	572.68	3/4	229.17	3/4		3/4	3/4		3/4		3/4
9	1,939.10	9	1,595.58	9	1,252.06	9	908.91	9	565.52	9	222.01	9		9	9		9		9
1/4	1,931.94	1/4	1,588.42	1/4	1,244.90	1/4	901.77	1/4	558.36	1/4	214.86	1/4		1/4	1/4		1/4		1/4
1/2	1,924.79	1/2	1,581.26	1/2	1,237.74	1/2	894.63	1/2	551.21	1/2	207.70	1/2		1/2	1/2		1/2		1/2
3/4	1,917.63	3/4	1,574.11	3/4	1,230.59	3/4	887.48	3/4	544.05	3/4	200.54	3/4		3/4	3/4		3/4		3/4
10	1,910.47	10	1,566.95	10	1,223.43	10	880.34	10	536.89	10	193.39	10		10	10		10		10
1/4	1,903.32	1/4	1,559.79	1/4	1,216.27	1/4	873.20	1/4	529.74	1/4	186.23	1/4		1/4	1/4		1/4		1/4
1/2	1,896.16	1/2	1,552.64	1/2	1,209.12	1/2	866.06	1/2	522.58	1/2	179.07	1/2		1/2	1/2		1/2		1/2
3/4	1,889.00	3/4	1,545.48	3/4	1,201.96	3/4	858.91	3/4	515.43	3/4	171.92	3/4		3/4	3/4		3/4		3/4
11	1,881.85	11	1,538.32	11	1,194.80	11	851.76	11	508.27	11	164.76	11		11	11		11		11
1/4	1,874.69	1/4	1,531.17	1/4	1,187.65	1/4	844.61	1/4	501.11	1/4	157.61	1/4		1/4	1/4		1/4		1/4
1/2	1,867.53	1/2	1,524.01	1/2	1,180.49	1/2	837.46	1/2	493.96	1/2	150.45	1/2		1/2	1/2		1/2		1/2
3/4	1,860.38	3/4	1,516.85	3/4	1,173.33	3/4	830.31	3/4	486.80	3/4	143.29	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2021 CL
CALCULATED: 01/08/2021 CL
PRINTED: 01/08/2021 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2021



BARGE "MPX 412"

3 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	4,306.24	0	4,097.52	0	3,888.42	0	3,678.57	0	3,468.97	0	3,205.15	0	2,863.51	0	2,521.75
1/4		1/4		1/4	4,301.91	1/4	4,093.16	1/4	3,884.05	1/4	3,674.20	1/4	3,464.61	1/4	3,198.05	1/4	2,856.39	1/4	2,514.63
1/2		1/2		1/2	4,297.59	1/2	4,088.81	1/2	3,879.68	1/2	3,669.82	1/2	3,460.25	1/2	3,190.95	1/2	2,849.27	1/2	2,507.51
3/4		3/4		3/4	4,293.26	3/4	4,084.46	3/4	3,875.31	3/4	3,665.45	3/4	3,455.90	3/4	3,183.85	3/4	2,842.15	3/4	2,500.39
1		1		1	4,288.93	1	4,080.11	1	3,870.94	1	3,661.08	1	3,451.54	1	3,176.76	1	2,835.03	1	2,493.27
1/4		1/4		1/4	4,284.61	1/4	4,075.75	1/4	3,866.56	1/4	3,656.71	1/4	3,447.18	1/4	3,169.66	1/4	2,827.91	1/4	2,486.15
1/2		1/2		1/2	4,280.28	1/2	4,071.40	1/2	3,862.19	1/2	3,652.34	1/2	3,442.83	1/2	3,162.56	1/2	2,820.79	1/2	2,479.03
3/4		3/4		3/4	4,275.96	3/4	4,067.05	3/4	3,857.82	3/4	3,647.96	3/4	3,438.47	3/4	3,155.46	3/4	2,813.67	3/4	2,471.91
2		2		2	4,271.63	2	4,062.69	2	3,853.45	2	3,643.59	2	3,434.12	2	3,148.36	2	2,806.55	2	2,464.79
1/4		1/4		1/4	4,267.28	1/4	4,058.34	1/4	3,849.08	1/4	3,639.22	1/4	3,429.76	1/4	3,141.26	1/4	2,799.43	1/4	2,457.67
1/2		1/2		1/2	4,262.93	1/2	4,053.99	1/2	3,844.70	1/2	3,634.85	1/2	3,425.40	1/2	3,134.16	1/2	2,792.31	1/2	2,450.55
3/4		3/4		3/4	4,258.57	3/4	4,049.63	3/4	3,840.33	3/4	3,630.48	3/4	3,421.05	3/4	3,127.07	3/4	2,785.19	3/4	2,443.43
3		3		3	4,254.22	3	4,045.28	3	3,835.96	3	3,626.10	3	3,416.69	3	3,119.97	3	2,778.07	3	2,436.30
1/4		1/4		1/4	4,249.87	1/4	4,040.93	1/4	3,831.59	1/4	3,621.73	1/4	3,412.34	1/4	3,112.85	1/4	2,770.95	1/4	2,429.18
1/2		1/2		1/2	4,245.52	1/2	4,036.58	1/2	3,827.22	1/2	3,617.36	1/2	3,407.98	1/2	3,105.74	1/2	2,763.83	1/2	2,422.06
3/4		3/4		3/4	4,241.16	3/4	4,032.22	3/4	3,822.84	3/4	3,612.99	3/4	3,403.62	3/4	3,098.62	3/4	2,756.71	3/4	2,414.94
4		4		4	4,236.81	4	4,027.87	4	3,818.47	4	3,608.62	4	3,399.27	4	3,091.50	4	2,749.59	4	2,407.82
1/4		1/4		1/4	4,232.46	1/4	4,023.52	1/4	3,814.10	1/4	3,604.24	1/4	3,394.91	1/4	3,084.39	1/4	2,742.47	1/4	2,400.70
1/2		1/2		1/2	4,228.10	1/2	4,019.16	1/2	3,809.73	1/2	3,599.87	1/2	3,390.55	1/2	3,077.27	1/2	2,735.35	1/2	2,393.58
3/4		3/4		3/4	4,223.75	3/4	4,014.81	3/4	3,805.36	3/4	3,595.50	3/4	3,386.20	3/4	3,070.16	3/4	2,728.23	3/4	2,386.46
5		5		5	4,219.40	5	4,010.46	5	3,800.98	5	3,591.13	5	3,381.84	5	3,063.04	5	2,721.11	5	2,379.34
1/4		1/4		1/4	4,215.05	1/4	4,006.11	1/4	3,796.61	1/4	3,586.76	1/4	3,377.50	1/4	3,055.92	1/4	2,713.99	1/4	2,372.22
1/2		1/2		1/2	4,210.69	1/2	4,001.75	1/2	3,792.24	1/2	3,582.38	1/2	3,373.17	1/2	3,048.81	1/2	2,706.87	1/2	2,365.10
3/4		3/4		3/4	4,206.34	3/4	3,997.40	3/4	3,787.87	3/4	3,578.01	3/4	3,368.83	3/4	3,041.69	3/4	2,699.75	3/4	2,357.98
6		6	4,387.34	6	4,201.99	6	3,993.05	6	3,783.50	6	3,573.64	6	3,364.49	6	3,034.58	6	2,692.63	6	2,350.86
1/4		1/4	4,385.63	1/4	4,197.63	1/4	3,988.69	1/4	3,779.12	1/4	3,569.27	1/4	3,360.15	1/4	3,027.44	1/4	2,685.51	1/4	2,343.73
1/2		1/2	4,383.92	1/2	4,193.28	1/2	3,984.34	1/2	3,774.75	1/2	3,564.90	1/2	3,355.81	1/2	3,020.31	1/2	2,678.39	1/2	2,336.61
3/4		3/4	4,382.22	3/4	4,188.93	3/4	3,979.99	3/4	3,770.38	3/4	3,560.52	3/4	3,351.48	3/4	3,013.18	3/4	2,671.27	3/4	2,329.49
7		7	4,380.51	7	4,184.57	7	3,975.64	7	3,766.01	7	3,556.15	7	3,347.14	7	3,006.05	7	2,664.15	7	2,322.37
1/4		1/4	4,378.26	1/4	4,180.22	1/4	3,971.28	1/4	3,761.64	1/4	3,551.78	1/4	3,340.04	1/4	2,998.92	1/4	2,657.03	1/4	2,315.25
1/2		1/2	4,376.02	1/2	4,175.87	1/2	3,966.93	1/2	3,757.26	1/2	3,547.41	1/2	3,332.94	1/2	2,991.78	1/2	2,649.91	1/2	2,308.13
3/4		3/4	4,373.77	3/4	4,171.52	3/4	3,962.58	3/4	3,752.89	3/4	3,543.04	3/4	3,325.84	3/4	2,984.65	3/4	2,642.79	3/4	2,301.01
8		8	4,371.53	8	4,167.16	8	3,958.22	8	3,748.52	8	3,538.66	8	3,318.74	8	2,977.52	8	2,635.67	8	2,293.89
1/4		1/4	4,368.10	1/4	4,162.81	1/4	3,953.87	1/4	3,744.15	1/4	3,534.31	1/4	3,311.64	1/4	2,970.39	1/4	2,628.55	1/4	2,286.77
1/2		1/2	4,364.66	1/2	4,158.46	1/2	3,949.52	1/2	3,739.78	1/2	3,529.95	1/2	3,304.54	1/2	2,963.26	1/2	2,621.43	1/2	2,279.65
3/4		3/4	4,361.23	3/4	4,154.10	3/4	3,945.17	3/4	3,735.40	3/4	3,525.60	3/4	3,297.44	3/4	2,956.12	3/4	2,614.31	3/4	2,272.53
9		9	4,357.79	9	4,149.75	9	3,940.81	9	3,731.03	9	3,521.24	9	3,290.34	9	2,948.99	9	2,607.19	9	2,265.41
1/4		1/4	4,353.54	1/4	4,145.40	1/4	3,936.46	1/4	3,726.66	1/4	3,516.88	1/4	3,283.24	1/4	2,941.86	1/4	2,600.07	1/4	2,258.28
1/2		1/2	4,349.28	1/2	4,141.05	1/2	3,932.11	1/2	3,722.29	1/2	3,512.53	1/2	3,276.14	1/2	2,934.73	1/2	2,592.95	1/2	2,251.16
3/4		3/4	4,345.02	3/4	4,136.69	3/4	3,927.75	3/4	3,717.92	3/4	3,508.17	3/4	3,269.04	3/4	2,927.60	3/4	2,585.83	3/4	2,244.04
10		10	4,340.77	10	4,132.34	10	3,923.40	10	3,713.54	10	3,503.82	10	3,261.94	10	2,920.47	10	2,578.71	10	2,236.92
1/4		1/4	4,336.46	1/4	4,127.99	1/4	3,919.03	1/4	3,709.17	1/4	3,499.46	1/4	3,254.84	1/4	2,913.35	1/4	2,571.59	1/4	2,229.80
1/2		1/2	4,332.15	1/2	4,123.63	1/2	3,914.66	1/2	3,704.80	1/2	3,495.10	1/2	3,247.74	1/2	2,906.23	1/2	2,564.47	1/2	2,222.68
3/4		3/4	4,327.84	3/4	4,119.28	3/4	3,910.28	3/4	3,700.43	3/4	3,490.75	3/4	3,240.64	3/4	2,899.11	3/4	2,557.35	3/4	2,215.56
11		11	4,323.52	11	4,114.93	11	3,905.91	11	3,696.06	11	3,486.39	11	3,233.54	11	2,891.99	11	2,550.23	11	2,208.44
1/4		1/4	4,319.20	1/4	4,110.58	1/4	3,901.54	1/4	3,691.68	1/4	3,482.03	1/4	3,226.45	1/4	2,884.87	1/4	2,543.11	1/4	2,201.32
1/2		1/2	4,314.88	1/2	4,106.22	1/2	3,897.17	1/2	3,687.31	1/2	3,477.68	1/2	3,219.35	1/2	2,877.75	1/2	2,535.99	1/2	2,194.20
3/4		3/4	4,310.56	3/4	4,101.87	3/4	3,892.80	3/4	3,682.94	3/4	3,473.32	3/4	3,212.25	3/4	2,870.63	3/4	2,528.87	3/4	2,187.08

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 LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 412"

3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,179.96	0	1,838.16	0	1,496.36	0	1,154.56	0	826.01	0	485.08	0	142.84	0		0		0	
1/4	2,172.84	1/4	1,831.04	1/4	1,489.24	1/4	1,147.44	1/4	819.12	1/4	477.95	1/4	135.71	1/4	1/4	1/4		1/4	
1/2	2,165.71	1/2	1,823.92	1/2	1,482.12	1/2	1,140.32	1/2	812.23	1/2	470.83	1/2	128.58	1/2	1/2	1/2		1/2	
3/4	2,158.59	3/4	1,816.80	3/4	1,475.00	3/4	1,133.20	3/4	805.34	3/4	463.71	3/4	121.44	3/4	3/4	3/4		3/4	
1	2,151.47	1	1,809.67	1	1,467.88	1	1,126.08	1	798.45	1	456.59	1	114.31	1	1	1		1	
1/4	2,144.35	1/4	1,802.55	1/4	1,460.76	1/4	1,119.19	1/4	791.33	1/4	449.47	1/4	107.19	1/4	1/4	1/4		1/4	
1/2	2,137.23	1/2	1,795.43	1/2	1,453.63	1/2	1,112.30	1/2	784.20	1/2	442.34	1/2	100.07	1/2	1/2	1/2		1/2	
3/4	2,130.11	3/4	1,788.31	3/4	1,446.51	3/4	1,105.41	3/4	777.08	3/4	435.22	3/4	92.94	3/4	3/4	3/4		3/4	
2	2,122.99	2	1,781.19	2	1,439.39	2	1,098.52	2	769.96	2	428.10	2	85.82	2	2	2		2	
1/4	2,115.87	1/4	1,774.07	1/4	1,432.27	1/4	1,091.70	1/4	762.84	1/4	420.98	1/4	78.72	1/4	1/4	1/4		1/4	
1/2	2,108.75	1/2	1,766.95	1/2	1,425.15	1/2	1,084.88	1/2	755.72	1/2	413.86	1/2	71.62	1/2	1/2	1/2		1/2	
3/4	2,101.63	3/4	1,759.83	3/4	1,418.03	3/4	1,078.06	3/4	748.59	3/4	406.73	3/4	64.53	3/4	3/4	3/4		3/4	
3	2,094.51	3	1,752.71	3	1,410.91	3	1,071.24	3	741.47	3	399.61	3	57.43	3	3	3		3	
1/4	2,087.39	1/4	1,745.59	1/4	1,403.79	1/4	1,064.43	1/4	734.35	1/4	392.49	1/4	51.19	1/4	1/4	1/4		1/4	
1/2	2,080.26	1/2	1,738.47	1/2	1,396.67	1/2	1,057.62	1/2	727.23	1/2	385.37	1/2	44.95	1/2	1/2	1/2		1/2	
3/4	2,073.14	3/4	1,731.35	3/4	1,389.55	3/4	1,050.81	3/4	720.11	3/4	378.24	3/4	38.71	3/4	3/4	3/4		3/4	
4	2,066.02	4	1,724.22	4	1,382.43	4	1,044.00	4	712.98	4	371.12	4	32.47	4	4	4		4	
1/4	2,058.90	1/4	1,717.10	1/4	1,375.31	1/4	1,037.19	1/4	705.86	1/4	363.99	1/4	28.01	1/4	1/4	1/4		1/4	
1/2	2,051.78	1/2	1,709.98	1/2	1,368.18	1/2	1,030.38	1/2	698.74	1/2	356.86	1/2	23.55	1/2	1/2	1/2		1/2	
3/4	2,044.66	3/4	1,702.86	3/4	1,361.06	3/4	1,023.56	3/4	691.62	3/4	349.72	3/4	19.09	3/4	3/4	3/4		3/4	
5	2,037.54	5	1,695.74	5	1,353.94	5	1,016.75	5	684.50	5	342.59	5	14.63	5	5	5		5	
1/4	2,030.42	1/4	1,688.62	1/4	1,346.82	1/4	1,009.94	1/4	677.37	1/4	335.45	1/4		1/4	1/4	1/4		1/4	
1/2	2,023.30	1/2	1,681.50	1/2	1,339.70	1/2	1,003.13	1/2	670.25	1/2	328.32	1/2		1/2	1/2	1/2		1/2	
3/4	2,016.18	3/4	1,674.38	3/4	1,332.58	3/4	996.32	3/4	663.13	3/4	321.19	3/4		3/4	3/4	3/4		3/4	
6	2,009.06	6	1,667.26	6	1,325.46	6	989.51	6	656.01	6	314.05	6		6	6	6		6	
1/4	2,001.94	1/4	1,660.14	1/4	1,318.34	1/4	982.70	1/4	648.88	1/4	306.92	1/4		1/4	1/4	1/4		1/4	
1/2	1,994.82	1/2	1,653.02	1/2	1,311.22	1/2	975.89	1/2	641.76	1/2	299.78	1/2		1/2	1/2	1/2		1/2	
3/4	1,987.69	3/4	1,645.90	3/4	1,304.10	3/4	969.07	3/4	634.64	3/4	292.65	3/4		3/4	3/4	3/4		3/4	
7	1,980.57	7	1,638.78	7	1,296.98	7	962.26	7	627.52	7	285.52	7		7	7	7		7	
1/4	1,973.45	1/4	1,631.65	1/4	1,289.86	1/4	955.45	1/4	620.40	1/4	278.38	1/4		1/4	1/4	1/4		1/4	
1/2	1,966.33	1/2	1,624.53	1/2	1,282.74	1/2	948.64	1/2	613.27	1/2	271.25	1/2		1/2	1/2	1/2		1/2	
3/4	1,959.21	3/4	1,617.41	3/4	1,275.61	3/4	941.83	3/4	606.15	3/4	264.12	3/4		3/4	3/4	3/4		3/4	
8	1,952.09	8	1,610.29	8	1,268.49	8	935.02	8	599.03	8	256.98	8		8	8	8		8	
1/4	1,944.97	1/4	1,603.17	1/4	1,261.37	1/4	928.21	1/4	591.91	1/4	249.85	1/4		1/4	1/4	1/4		1/4	
1/2	1,937.85	1/2	1,596.05	1/2	1,254.25	1/2	921.40	1/2	584.79	1/2	242.71	1/2		1/2	1/2	1/2		1/2	
3/4	1,930.73	3/4	1,588.93	3/4	1,247.13	3/4	914.59	3/4	577.66	3/4	235.58	3/4		3/4	3/4	3/4		3/4	
9	1,923.61	9	1,581.81	9	1,240.01	9	907.77	9	570.54	9	228.45	9		9	9	9		9	
1/4	1,916.49	1/4	1,574.69	1/4	1,232.89	1/4	900.96	1/4	563.42	1/4	221.31	1/4		1/4	1/4	1/4		1/4	
1/2	1,909.37	1/2	1,567.57	1/2	1,225.77	1/2	894.15	1/2	556.30	1/2	214.18	1/2		1/2	1/2	1/2		1/2	
3/4	1,902.24	3/4	1,560.45	3/4	1,218.65	3/4	887.34	3/4	549.18	3/4	207.05	3/4		3/4	3/4	3/4		3/4	
10	1,895.12	10	1,553.33	10	1,211.53	10	880.53	10	542.05	10	199.91	10		10	10	10		10	
1/4	1,888.00	1/4	1,546.20	1/4	1,204.41	1/4	873.72	1/4	534.93	1/4	192.78	1/4		1/4	1/4	1/4		1/4	
1/2	1,880.88	1/2	1,539.08	1/2	1,197.29	1/2	866.91	1/2	527.81	1/2	185.64	1/2		1/2	1/2	1/2		1/2	
3/4	1,873.76	3/4	1,531.96	3/4	1,190.16	3/4	860.10	3/4	520.69	3/4	178.51	3/4		3/4	3/4	3/4		3/4	
11	1,866.64	11	1,524.84	11	1,183.04	11	853.29	11	513.56	11	171.38	11		11	11	11		11	
1/4	1,859.52	1/4	1,517.72	1/4	1,175.92	1/4	846.47	1/4	506.44	1/4	164.24	1/4		1/4	1/4	1/4		1/4	
1/2	1,852.40	1/2	1,510.60	1/2	1,168.80	1/2	839.65	1/2	499.32	1/2	157.11	1/2		1/2	1/2	1/2		1/2	
3/4	1,845.28	3/4	1,503.48	3/4	1,161.68	3/4	832.83	3/4	492.20	3/4	149.98	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2021 CL
CALCULATED: 01/08/2021 CL
PRINTED: 01/08/2021 SW

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2021



BARGE "MPX 412"

3 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	4,315.32	0	4,106.68	0	3,897.66	0	3,687.90	0	3,478.14	0	3,211.55	0	2,870.59	0	2,529.19
1/4		1/4		1/4	4,311.00	1/4	4,102.32	1/4	3,893.29	1/4	3,683.53	1/4	3,473.77	1/4	3,204.46	1/4	2,863.48	1/4	2,522.07
1/2		1/2		1/2	4,306.68	1/2	4,097.97	1/2	3,888.92	1/2	3,679.16	1/2	3,469.40	1/2	3,197.37	1/2	2,856.37	1/2	2,514.94
3/4		3/4		3/4	4,302.35	3/4	4,093.62	3/4	3,884.55	3/4	3,674.79	3/4	3,465.03	3/4	3,190.28	3/4	2,849.27	3/4	2,507.82
1		1		1	4,298.03	1	4,089.27	1	3,880.18	1	3,670.42	1	3,460.66	1	3,183.19	1	2,842.16	1	2,500.69
1/4		1/4		1/4	4,293.71	1/4	4,084.92	1/4	3,875.81	1/4	3,666.05	1/4	3,456.29	1/4	3,176.10	1/4	2,835.05	1/4	2,493.56
1/2		1/2		1/2	4,289.39	1/2	4,080.57	1/2	3,871.44	1/2	3,661.68	1/2	3,451.92	1/2	3,169.01	1/2	2,827.94	1/2	2,486.44
3/4		3/4		3/4	4,285.06	3/4	4,076.22	3/4	3,867.07	3/4	3,657.31	3/4	3,447.55	3/4	3,161.92	3/4	2,820.84	3/4	2,479.31
2		2		2	4,280.71	2	4,071.87	2	3,862.70	2	3,652.94	2	3,443.18	2	3,154.83	2	2,813.73	2	2,472.19
1/4		1/4		1/4	4,276.36	1/4	4,067.52	1/4	3,858.33	1/4	3,648.57	1/4	3,438.81	1/4	3,147.74	1/4	2,806.62	1/4	2,465.06
1/2		1/2		1/2	4,272.01	1/2	4,063.17	1/2	3,853.96	1/2	3,644.20	1/2	3,434.44	1/2	3,140.65	1/2	2,799.51	1/2	2,457.94
3/4		3/4		3/4	4,267.66	3/4	4,058.82	3/4	3,849.59	3/4	3,639.83	3/4	3,430.07	3/4	3,133.56	3/4	2,792.41	3/4	2,450.81
3		3		3	4,263.31	3	4,054.46	3	3,845.22	3	3,635.46	3	3,425.70	3	3,126.45	3	2,785.30	3	2,443.69
1/4		1/4		1/4	4,258.96	1/4	4,050.11	1/4	3,840.85	1/4	3,631.09	1/4	3,421.33	1/4	3,119.34	1/4	2,778.19	1/4	2,436.56
1/2		1/2		1/2	4,254.61	1/2	4,045.76	1/2	3,836.48	1/2	3,626.72	1/2	3,416.96	1/2	3,112.24	1/2	2,771.09	1/2	2,429.44
3/4		3/4		3/4	4,250.26	3/4	4,041.41	3/4	3,832.11	3/4	3,622.35	3/4	3,412.59	3/4	3,105.13	3/4	2,763.98	3/4	2,422.31
4		4		4	4,245.90	4	4,037.06	4	3,827.74	4	3,617.98	4	3,408.22	4	3,098.02	4	2,756.87	4	2,415.18
1/4		1/4		1/4	4,241.55	1/4	4,032.71	1/4	3,823.37	1/4	3,613.61	1/4	3,403.85	1/4	3,090.91	1/4	2,749.76	1/4	2,408.06
1/2		1/2		1/2	4,237.20	1/2	4,028.36	1/2	3,819.00	1/2	3,609.24	1/2	3,399.48	1/2	3,083.81	1/2	2,742.66	1/2	2,400.93
3/4		3/4		3/4	4,232.85	3/4	4,024.01	3/4	3,814.63	3/4	3,604.87	3/4	3,395.11	3/4	3,076.70	3/4	2,735.55	3/4	2,393.81
5		5		5	4,228.50	5	4,019.66	5	3,810.26	5	3,600.50	5	3,390.78	5	3,069.59	5	2,728.44	5	2,386.68
1/4		1/4		1/4	4,224.15	1/4	4,015.31	1/4	3,805.89	1/4	3,596.13	1/4	3,386.44	1/4	3,062.48	1/4	2,721.33	1/4	2,379.56
1/2		1/2		1/2	4,219.80	1/2	4,010.96	1/2	3,801.52	1/2	3,591.76	1/2	3,382.11	1/2	3,055.38	1/2	2,714.23	1/2	2,372.43
3/4		3/4		3/4	4,400.72	3/4	4,215.45	3/4	4,006.60	3/4	3,797.15	3/4	3,587.39	3/4	3,377.77	3/4	3,048.27	3/4	2,707.12
6		6		6	4,399.01	6	4,211.10	6	4,002.25	6	3,792.78	6	3,583.02	6	3,373.44	6	3,041.16	6	2,700.01
1/4		1/4		1/4	4,397.31	1/4	4,206.75	1/4	3,997.90	1/4	3,788.41	1/4	3,578.65	1/4	3,369.10	1/4	3,034.06	1/4	2,692.91
1/2		1/2		1/2	4,395.60	1/2	4,202.40	1/2	3,993.55	1/2	3,784.04	1/2	3,574.28	1/2	3,364.77	1/2	3,026.95	1/2	2,685.80
3/4		3/4		3/4	4,393.89	3/4	4,198.04	3/4	3,989.20	3/4	3,779.67	3/4	3,569.91	3/4	3,360.43	3/4	3,019.84	3/4	2,678.69
7		7		7	4,391.65	7	4,193.69	7	3,984.85	7	3,775.30	7	3,565.54	7	3,353.34	7	3,012.73	7	2,671.58
1/4		1/4		1/4	4,389.40	1/4	4,189.34	1/4	3,980.50	1/4	3,770.93	1/4	3,561.17	1/4	3,346.25	1/4	3,005.63	1/4	2,664.48
1/2		1/2		1/2	4,387.16	1/2	4,184.99	1/2	3,976.15	1/2	3,766.56	1/2	3,556.80	1/2	3,339.16	1/2	2,998.52	1/2	2,657.37
3/4		3/4		3/4	4,384.91	3/4	4,180.64	3/4	3,971.80	3/4	3,762.19	3/4	3,552.43	3/4	3,332.07	3/4	2,991.41	3/4	2,650.26
8		8		8	4,381.48	8	4,176.29	8	3,967.45	8	3,757.82	8	3,548.06	8	3,324.98	8	2,984.30	8	2,643.15
1/4		1/4		1/4	4,378.05	1/4	4,171.94	1/4	3,963.10	1/4	3,753.45	1/4	3,543.69	1/4	3,317.90	1/4	2,977.20	1/4	2,636.05
1/2		1/2		1/2	4,374.61	1/2	4,167.59	1/2	3,958.74	1/2	3,749.08	1/2	3,539.32	1/2	3,310.81	1/2	2,970.09	1/2	2,628.94
3/4		3/4		3/4	4,371.18	3/4	4,163.24	3/4	3,954.39	3/4	3,744.71	3/4	3,534.95	3/4	3,303.72	3/4	2,962.98	3/4	2,621.83
9		9		9	4,366.92	9	4,158.89	9	3,950.04	9	3,740.34	9	3,530.58	9	3,296.63	9	2,955.88	9	2,614.71
1/4		1/4		1/4	4,362.67	1/4	4,154.54	1/4	3,945.69	1/4	3,735.97	1/4	3,526.21	1/4	3,289.54	1/4	2,948.77	1/4	2,607.58
1/2		1/2		1/2	4,358.42	1/2	4,150.18	1/2	3,941.34	1/2	3,731.60	1/2	3,521.84	1/2	3,282.45	1/2	2,941.66	1/2	2,600.45
3/4		3/4		3/4	4,354.16	3/4	4,145.83	3/4	3,936.99	3/4	3,727.23	3/4	3,517.47	3/4	3,275.36	3/4	2,934.55	3/4	2,593.33
10		10		10	4,349.85	10	4,141.48	10	3,932.62	10	3,722.86	10	3,513.10	10	3,268.27	10	2,927.45	10	2,586.20
1/4		1/4		1/4	4,345.54	1/4	4,137.13	1/4	3,928.25	1/4	3,718.49	1/4	3,508.73	1/4	3,261.18	1/4	2,920.34	1/4	2,579.08
1/2		1/2		1/2	4,341.23	1/2	4,132.78	1/2	3,923.88	1/2	3,714.12	1/2	3,504.36	1/2	3,254.09	1/2	2,913.23	1/2	2,571.95
3/4		3/4		3/4	4,336.92	3/4	4,128.43	3/4	3,919.51	3/4	3,709.75	3/4	3,499.99	3/4	3,247.00	3/4	2,906.12	3/4	2,564.82
11		11		11	4,332.60	11	4,124.08	11	3,915.14	11	3,705.38	11	3,495.62	11	3,239.91	11	2,899.02	11	2,557.70
1/4		1/4		1/4	4,328.28	1/4	4,119.73	1/4	3,910.77	1/4	3,701.01	1/4	3,491.25	1/4	3,232.82	1/4	2,891.91	1/4	2,550.57
1/2		1/2		1/2	4,323.96	1/2	4,115.38	1/2	3,906.40	1/2	3,696.64	1/2	3,486.88	1/2	3,225.73	1/2	2,884.80	1/2	2,543.45
3/4		3/4		3/4	4,319.64	3/4	4,111.03	3/4	3,902.03	3/4	3,692.27	3/4	3,482.51	3/4	3,218.64	3/4	2,877.69	3/4	2,536.32

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 ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "MPX 412"

3 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,187.17	0	1,845.14	0	1,503.12	0	1,161.10	0	819.57	0	477.56	0	135.55	0		0		0	
1/4	2,180.04	1/4	1,838.02	1/4	1,495.99	1/4	1,153.97	1/4	812.44	1/4	470.43	1/4	128.43	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,172.92	1/2	1,830.89	1/2	1,488.87	1/2	1,146.85	1/2	805.32	1/2	463.31	1/2	121.30	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,165.79	3/4	1,823.77	3/4	1,481.74	3/4	1,139.72	3/4	798.19	3/4	456.18	3/4	114.18	3/4	3/4	3/4	3/4	3/4	3/4
1	2,158.67	1	1,816.64	1	1,474.62	1	1,132.59	1	791.07	1	449.06	1	107.06	1	1	1	1	1	1
1/4	2,151.54	1/4	1,809.52	1/4	1,467.49	1/4	1,125.47	1/4	783.94	1/4	441.93	1/4	99.95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,144.42	1/2	1,802.39	1/2	1,460.37	1/2	1,118.34	1/2	776.82	1/2	434.81	1/2	92.83	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,137.29	3/4	1,795.27	3/4	1,453.24	3/4	1,111.22	3/4	769.69	3/4	427.68	3/4	85.72	3/4	3/4	3/4	3/4	3/4	3/4
2	2,130.16	2	1,788.14	2	1,446.12	2	1,104.10	2	762.57	2	420.56	2	78.63	2	2	2	2	2	2
1/4	2,123.04	1/4	1,781.01	1/4	1,438.99	1/4	1,096.98	1/4	755.44	1/4	413.43	1/4	71.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,115.91	1/2	1,773.89	1/2	1,431.87	1/2	1,089.86	1/2	748.32	1/2	406.31	1/2	64.45	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,108.79	3/4	1,766.76	3/4	1,424.74	3/4	1,082.74	3/4	741.19	3/4	399.18	3/4	57.36	3/4	3/4	3/4	3/4	3/4	3/4
3	2,101.66	3	1,759.64	3	1,417.61	3	1,075.63	3	734.07	3	392.06	3	51.13	3	3	3	3	3	3
1/4	2,094.54	1/4	1,752.51	1/4	1,410.49	1/4	1,068.52	1/4	726.94	1/4	384.93	1/4	44.90	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,087.41	1/2	1,745.39	1/2	1,403.36	1/2	1,061.41	1/2	719.81	1/2	377.81	1/2	38.66	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,080.29	3/4	1,738.26	3/4	1,396.24	3/4	1,054.29	3/4	712.69	3/4	370.68	3/4	32.43	3/4	3/4	3/4	3/4	3/4	3/4
4	2,073.16	4	1,731.14	4	1,389.11	4	1,047.18	4	705.56	4	363.55	4	27.98	4	4	4	4	4	4
1/4	2,066.03	1/4	1,724.01	1/4	1,381.99	1/4	1,040.07	1/4	698.44	1/4	356.43	1/4	23.52	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,058.91	1/2	1,716.89	1/2	1,374.86	1/2	1,032.96	1/2	691.31	1/2	349.30	1/2	19.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,051.78	3/4	1,709.76	3/4	1,367.74	3/4	1,025.85	3/4	684.19	3/4	342.18	3/4	14.62	3/4	3/4	3/4	3/4	3/4	3/4
5	2,044.66	5	1,702.63	5	1,360.61	5	1,018.74	5	677.06	5	335.05	5		5	5	5	5	5	5
1/4	2,037.53	1/4	1,695.51	1/4	1,353.48	1/4	1,011.63	1/4	669.94	1/4	327.93	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,030.41	1/2	1,688.38	1/2	1,346.36	1/2	1,004.51	1/2	662.81	1/2	320.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,023.28	3/4	1,681.26	3/4	1,339.23	3/4	997.40	3/4	655.69	3/4	313.68	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,016.16	6	1,674.13	6	1,332.11	6	990.29	6	648.56	6	306.55	6		6	6	6	6	6	6
1/4	2,009.03	1/4	1,667.01	1/4	1,324.98	1/4	983.18	1/4	641.44	1/4	299.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,001.91	1/2	1,659.88	1/2	1,317.86	1/2	976.07	1/2	634.31	1/2	292.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,994.78	3/4	1,652.76	3/4	1,310.73	3/4	968.96	3/4	627.19	3/4	285.18	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,987.65	7	1,645.63	7	1,303.61	7	961.85	7	620.06	7	278.05	7		7	7	7	7	7	7
1/4	1,980.53	1/4	1,638.50	1/4	1,296.48	1/4	954.73	1/4	612.94	1/4	270.93	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,973.40	1/2	1,631.38	1/2	1,289.36	1/2	947.62	1/2	605.81	1/2	263.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,966.28	3/4	1,624.25	3/4	1,282.23	3/4	940.51	3/4	598.69	3/4	256.68	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,959.15	8	1,617.13	8	1,275.10	8	933.40	8	591.56	8	249.55	8		8	8	8	8	8	8
1/4	1,952.03	1/4	1,610.00	1/4	1,267.98	1/4	926.29	1/4	584.44	1/4	242.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,944.90	1/2	1,602.88	1/2	1,260.85	1/2	919.18	1/2	577.31	1/2	235.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,937.78	3/4	1,595.75	3/4	1,253.73	3/4	912.07	3/4	570.19	3/4	228.18	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,930.65	9	1,588.63	9	1,246.60	9	904.95	9	563.06	9	221.05	9		9	9	9	9	9	9
1/4	1,923.52	1/4	1,581.50	1/4	1,239.48	1/4	897.84	1/4	555.94	1/4	213.93	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,916.40	1/2	1,574.38	1/2	1,232.35	1/2	890.73	1/2	548.81	1/2	206.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,909.27	3/4	1,567.25	3/4	1,225.23	3/4	883.62	3/4	541.68	3/4	199.68	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,902.15	10	1,560.12	10	1,218.10	10	876.51	10	534.56	10	192.55	10		10	10	10	10	10	10
1/4	1,895.02	1/4	1,553.00	1/4	1,210.97	1/4	869.40	1/4	527.43	1/4	185.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,887.90	1/2	1,545.87	1/2	1,203.85	1/2	862.29	1/2	520.31	1/2	178.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,880.77	3/4	1,538.75	3/4	1,196.72	3/4	855.18	3/4	513.18	3/4	171.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,873.65	11	1,531.62	11	1,189.60	11	848.05	11	506.06	11	164.05	11		11	11	11	11	11	11
1/4	1,866.52	1/4	1,524.50	1/4	1,182.47	1/4	840.93	1/4	498.93	1/4	156.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,859.40	1/2	1,517.37	1/2	1,175.35	1/2	833.81	1/2	491.81	1/2	149.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,852.27	3/4	1,510.25	3/4	1,168.22	3/4	826.69	3/4	484.68	3/4	142.67	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2021 CL
CALCULATED: 01/08/2021 CL
PRINTED: 01/08/2021 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2021



BARGE "MPX 412"

ULLAGE (10" HATCH)

	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	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
1 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
3 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-0/8	- 08-0/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
3 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-0/8	- 08-0/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS 08-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-08 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

January 7, 2021

**PRECISION MEASUREMENT
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P.O. Box 2092
 Pearland, Texas 77588

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BARGE "MPX 412"

1 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,028.67	0	4,743.91	0	4,403.00	0	4,061.25	0	3,718.77	0	3,376.36	0	3,033.98
1/4		1/4		1/4		1/4	5,026.67	1/4	4,736.81	1/4	4,395.90	1/4	4,054.11	1/4	3,711.63	1/4	3,369.23	1/4	3,026.85
1/2		1/2		1/2		1/2	5,024.66	1/2	4,729.70	1/2	4,388.79	1/2	4,046.98	1/2	3,704.50	1/2	3,362.10	1/2	3,019.71
3/4		3/4		3/4		3/4	5,022.66	3/4	4,722.60	3/4	4,381.69	3/4	4,039.84	3/4	3,697.36	3/4	3,354.96	3/4	3,012.58
1		1		1		1	5,020.66	1	4,715.50	1	4,374.59	1	4,032.71	1	3,690.23	1	3,347.83	1	3,005.45
1/4		1/4		1/4		1/4	5,017.47	1/4	4,708.40	1/4	4,367.49	1/4	4,025.57	1/4	3,683.09	1/4	3,340.70	1/4	2,998.31
1/2		1/2		1/2		1/2	5,014.27	1/2	4,701.30	1/2	4,360.39	1/2	4,018.44	1/2	3,675.96	1/2	3,333.56	1/2	2,991.18
3/4		3/4		3/4		3/4	5,011.08	3/4	4,694.19	3/4	4,353.28	3/4	4,011.30	3/4	3,668.82	3/4	3,326.43	3/4	2,984.04
2		2		2		2	5,007.89	2	4,687.09	2	4,346.18	2	4,004.17	2	3,661.69	2	3,319.30	2	2,976.91
1/4		1/4		1/4		1/4	5,003.51	1/4	4,679.99	1/4	4,339.08	1/4	3,997.03	1/4	3,654.55	1/4	3,312.17	1/4	2,969.78
1/2		1/2		1/2		1/2	4,999.13	1/2	4,672.89	1/2	4,331.98	1/2	3,989.90	1/2	3,647.42	1/2	3,305.03	1/2	2,962.64
3/4		3/4		3/4		3/4	4,994.74	3/4	4,665.78	3/4	4,324.87	3/4	3,982.76	3/4	3,640.28	3/4	3,297.90	3/4	2,955.51
3		3		3		3	4,990.36	3	4,658.68	3	4,317.77	3	3,975.63	3	3,633.15	3	3,290.77	3	2,948.37
1/4		1/4		1/4		1/4	4,984.79	1/4	4,651.58	1/4	4,310.67	1/4	3,968.49	1/4	3,626.01	1/4	3,283.63	1/4	2,941.24
1/2		1/2		1/2		1/2	4,979.22	1/2	4,644.48	1/2	4,303.57	1/2	3,961.36	1/2	3,618.88	1/2	3,276.50	1/2	2,934.10
3/4		3/4		3/4		3/4	4,973.65	3/4	4,637.37	3/4	4,296.46	3/4	3,954.22	3/4	3,611.75	3/4	3,269.37	3/4	2,926.97
4		4		4		4	4,968.08	4	4,630.27	4	4,289.36	4	3,947.09	4	3,604.62	4	3,262.23	4	2,919.83
1/4		1/4		1/4		1/4	4,961.50	1/4	4,623.17	1/4	4,282.26	1/4	3,939.95	1/4	3,597.49	1/4	3,255.10	1/4	2,912.70
1/2		1/2		1/2		1/2	4,954.92	1/2	4,616.07	1/2	4,275.16	1/2	3,932.82	1/2	3,590.35	1/2	3,247.97	1/2	2,905.56
3/4		3/4		3/4		3/4	4,948.35	3/4	4,608.97	3/4	4,268.06	3/4	3,925.68	3/4	3,583.22	3/4	3,240.84	3/4	2,898.43
5		5		5		5	4,941.77	5	4,601.86	5	4,260.95	5	3,918.55	5	3,576.09	5	3,233.70	5	2,891.29
1/4		1/4		1/4		1/4	4,934.75	1/4	4,594.76	1/4	4,253.84	1/4	3,911.41	1/4	3,568.95	1/4	3,226.57	1/4	2,884.16
1/2		1/2		1/2		1/2	4,927.74	1/2	4,587.66	1/2	4,246.72	1/2	3,904.28	1/2	3,561.82	1/2	3,219.44	1/2	2,877.02
3/4		3/4		3/4		3/4	4,920.72	3/4	4,580.56	3/4	4,239.60	3/4	3,897.14	3/4	3,554.69	3/4	3,212.30	3/4	2,869.89
6		6		6		6	4,913.71	6	4,573.45	6	4,232.49	6	3,890.01	6	3,547.55	6	3,205.17	6	2,862.75
1/4		1/4		1/4		1/4	4,906.66	1/4	4,566.35	1/4	4,225.35	1/4	3,882.87	1/4	3,540.42	1/4	3,198.04	1/4	2,855.62
1/2		1/2		1/2		1/2	4,899.61	1/2	4,559.25	1/2	4,218.22	1/2	3,875.74	1/2	3,533.29	1/2	3,190.90	1/2	2,848.48
3/4		3/4		3/4		3/4	4,892.56	3/4	4,552.15	3/4	4,211.08	3/4	3,868.60	3/4	3,526.16	3/4	3,183.77	3/4	2,841.35
7		7		7		7	4,885.51	7	4,545.04	7	4,203.95	7	3,861.47	7	3,519.02	7	3,176.64	7	2,834.21
1/4		1/4		1/4		1/4	4,878.45	1/4	4,537.94	1/4	4,196.81	1/4	3,854.33	1/4	3,511.89	1/4	3,169.51	1/4	2,827.08
1/2		1/2		1/2		1/2	4,871.39	1/2	4,530.84	1/2	4,189.68	1/2	3,847.20	1/2	3,504.76	1/2	3,162.37	1/2	2,819.94
3/4		3/4		3/4		3/4	4,864.33	3/4	4,523.74	3/4	4,182.54	3/4	3,840.06	3/4	3,497.62	3/4	3,155.24	3/4	2,812.81
8		8		8		8	4,857.28	8	4,516.64	8	4,175.41	8	3,832.93	8	3,490.49	8	3,148.11	8	2,805.67
1/4		1/4		1/4		1/4	4,850.22	1/4	4,509.53	1/4	4,168.27	1/4	3,825.79	1/4	3,483.36	1/4	3,140.97	1/4	2,798.54
1/2		1/2		1/2		1/2	4,843.16	1/2	4,502.43	1/2	4,161.14	1/2	3,818.66	1/2	3,476.22	1/2	3,133.84	1/2	2,791.40
3/4		3/4		3/4		3/4	4,836.10	3/4	4,495.33	3/4	4,154.00	3/4	3,811.52	3/4	3,469.09	3/4	3,126.71	3/4	2,784.27
9		9		9		9	4,829.05	9	4,488.23	9	4,146.87	9	3,804.39	9	3,461.96	9	3,119.57	9	2,777.13
1/4		1/4		1/4		1/4	4,821.97	1/4	4,481.12	1/4	4,139.73	1/4	3,797.25	1/4	3,454.83	1/4	3,112.44	1/4	2,770.00
1/2		1/2		1/2		1/2	4,814.89	1/2	4,474.02	1/2	4,132.60	1/2	3,790.12	1/2	3,447.69	1/2	3,105.31	1/2	2,762.86
3/4		3/4		3/4		3/4	4,807.81	3/4	4,466.92	3/4	4,125.46	3/4	3,782.98	3/4	3,440.56	3/4	3,098.18	3/4	2,755.73
10		10		10		10	4,800.73	10	4,459.82	10	4,118.33	10	3,775.85	10	3,433.43	10	3,091.04	10	2,748.59
1/4		1/4		1/4		1/4	4,793.63	1/4	4,452.71	1/4	4,111.19	1/4	3,768.71	1/4	3,426.29	1/4	3,083.91	1/4	2,741.46
1/2		1/2		1/2		1/2	4,786.52	1/2	4,445.61	1/2	4,104.06	1/2	3,761.58	1/2	3,419.16	1/2	3,076.78	1/2	2,734.32
3/4		3/4		3/4		3/4	4,779.42	3/4	4,438.51	3/4	4,096.92	3/4	3,754.44	3/4	3,412.03	3/4	3,069.64	3/4	2,727.19
11		11		11	5,032.38	11	4,772.32	11	4,431.41	11	4,089.79	11	3,747.31	11	3,404.89	11	3,062.51	11	2,720.05
1/4		1/4		1/4	5,031.45	1/4	4,765.22	1/4	4,424.31	1/4	4,082.65	1/4	3,740.17	1/4	3,397.76	1/4	3,055.38	1/4	2,712.92
1/2		1/2		1/2	5,030.53	1/2	4,758.11	1/2	4,417.20	1/2	4,075.52	1/2	3,733.04	1/2	3,390.63	1/2	3,048.24	1/2	2,705.78
3/4		3/4		3/4	5,029.60	3/4	4,751.01	3/4	4,410.10	3/4	4,068.38	3/4	3,725.90	3/4	3,383.50	3/4	3,041.11	3/4	2,698.65

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 412"

1 PORT
ULLAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,691.51	0	2,349.04	0	2,006.54	0	1,664.04	0	1,321.54	0	979.75	0	639.17	0	303.81	0	20.47	0	
1/4	2,684.38	1/4	2,341.90	1/4	1,999.40	1/4	1,656.90	1/4	1,314.40	1/4	972.67	1/4	632.04	1/4	297.26	1/4	17.67	1/4	
1/2	2,677.24	1/2	2,334.76	1/2	1,992.27	1/2	1,649.77	1/2	1,307.27	1/2	965.60	1/2	624.90	1/2	290.71	1/2	14.87	1/2	
3/4	2,670.11	3/4	2,327.63	3/4	1,985.13	3/4	1,642.63	3/4	1,300.13	3/4	958.52	3/4	617.77	3/4	284.16	3/4	12.08	3/4	
1	2,662.97	1	2,320.49	1	1,977.99	1	1,635.50	1	1,293.00	1	951.45	1	610.63	1	277.61	1	9.28	1	
1/4	2,655.84	1/4	2,313.36	1/4	1,970.86	1/4	1,628.36	1/4	1,285.86	1/4	944.37	1/4	603.50	1/4	271.14	1/4	7.50	1/4	
1/2	2,648.71	1/2	2,306.22	1/2	1,963.72	1/2	1,621.22	1/2	1,278.73	1/2	937.30	1/2	596.36	1/2	264.67	1/2	5.71	1/2	
3/4	2,641.57	3/4	2,299.09	3/4	1,956.59	3/4	1,614.09	3/4	1,271.59	3/4	930.22	3/4	589.23	3/4	258.20	3/4	3.93	3/4	
2	2,634.44	2	2,291.95	2	1,949.45	2	1,606.95	2	1,264.45	2	923.15	2	582.09	2	251.73	2	2.15	2	
1/4	2,627.30	1/4	2,284.82	1/4	1,942.32	1/4	1,599.82	1/4	1,257.32	1/4	916.07	1/4	574.96	1/4	245.35	1/4		1/4	
1/2	2,620.17	1/2	2,277.68	1/2	1,935.18	1/2	1,592.68	1/2	1,250.18	1/2	909.00	1/2	567.82	1/2	238.97	1/2		1/2	
3/4	2,613.04	3/4	2,270.55	3/4	1,928.05	3/4	1,585.55	3/4	1,243.05	3/4	901.92	3/4	560.69	3/4	232.58	3/4		3/4	
3	2,605.91	3	2,263.41	3	1,920.91	3	1,578.41	3	1,235.91	3	894.85	3	553.55	3	226.20	3		3	
1/4	2,598.77	1/4	2,256.28	1/4	1,913.78	1/4	1,571.28	1/4	1,228.78	1/4	887.77	1/4	546.42	1/4	219.89	1/4		1/4	
1/2	2,591.64	1/2	2,249.14	1/2	1,906.64	1/2	1,564.14	1/2	1,221.64	1/2	880.70	1/2	539.28	1/2	213.59	1/2		1/2	
3/4	2,584.50	3/4	2,242.00	3/4	1,899.51	3/4	1,557.01	3/4	1,214.51	3/4	873.62	3/4	532.15	3/4	207.29	3/4		3/4	
4	2,577.37	4	2,234.87	4	1,892.37	4	1,549.87	4	1,207.37	4	866.55	4	525.01	4	200.99	4		4	
1/4	2,570.23	1/4	2,227.73	1/4	1,885.23	1/4	1,542.74	1/4	1,200.24	1/4	859.47	1/4	517.88	1/4	194.77	1/4		1/4	
1/2	2,563.10	1/2	2,220.60	1/2	1,878.10	1/2	1,535.60	1/2	1,193.10	1/2	852.40	1/2	510.74	1/2	188.55	1/2		1/2	
3/4	2,555.96	3/4	2,213.46	3/4	1,870.96	3/4	1,528.46	3/4	1,185.97	3/4	845.32	3/4	503.61	3/4	182.34	3/4		3/4	
5	2,548.83	5	2,206.33	5	1,863.83	5	1,521.33	5	1,178.83	5	838.25	5	496.47	5	176.12	5		5	
1/4	2,541.69	1/4	2,199.19	1/4	1,856.69	1/4	1,514.19	1/4	1,171.69	1/4	831.17	1/4	489.36	1/4	169.98	1/4		1/4	
1/2	2,534.56	1/2	2,192.06	1/2	1,849.56	1/2	1,507.06	1/2	1,164.56	1/2	824.10	1/2	482.25	1/2	163.85	1/2		1/2	
3/4	2,527.42	3/4	2,184.92	3/4	1,842.42	3/4	1,499.92	3/4	1,157.42	3/4	817.02	3/4	475.14	3/4	157.71	3/4		3/4	
6	2,520.29	6	2,177.79	6	1,835.29	6	1,492.79	6	1,150.29	6	809.95	6	468.02	6	151.58	6		6	
1/4	2,513.15	1/4	2,170.65	1/4	1,828.15	1/4	1,485.65	1/4	1,143.15	1/4	802.87	1/4	460.98	1/4	145.53	1/4		1/4	
1/2	2,506.01	1/2	2,163.52	1/2	1,821.02	1/2	1,478.52	1/2	1,136.02	1/2	795.79	1/2	453.93	1/2	139.48	1/2		1/2	
3/4	2,498.88	3/4	2,156.38	3/4	1,813.88	3/4	1,471.38	3/4	1,128.88	3/4	788.71	3/4	446.88	3/4	133.42	3/4		3/4	
7	2,491.74	7	2,149.24	7	1,806.75	7	1,464.25	7	1,121.75	7	781.63	7	439.84	7	127.37	7		7	
1/4	2,484.61	1/4	2,142.11	1/4	1,799.61	1/4	1,457.11	1/4	1,114.61	1/4	774.54	1/4	432.87	1/4	121.41	1/4		1/4	
1/2	2,477.47	1/2	2,134.97	1/2	1,792.47	1/2	1,449.98	1/2	1,107.48	1/2	767.45	1/2	425.91	1/2	115.44	1/2		1/2	
3/4	2,470.34	3/4	2,127.84	3/4	1,785.34	3/4	1,442.84	3/4	1,100.34	3/4	760.36	3/4	418.94	3/4	109.47	3/4		3/4	
8	2,463.20	8	2,120.70	8	1,778.20	8	1,435.70	8	1,093.21	8	753.27	8	411.97	8	103.50	8		8	
1/4	2,456.07	1/4	2,113.57	1/4	1,771.07	1/4	1,428.57	1/4	1,086.09	1/4	746.15	1/4	405.09	1/4	97.63	1/4		1/4	
1/2	2,448.93	1/2	2,106.43	1/2	1,763.93	1/2	1,421.43	1/2	1,078.97	1/2	739.03	1/2	398.20	1/2	91.75	1/2		1/2	
3/4	2,441.80	3/4	2,099.30	3/4	1,756.80	3/4	1,414.30	3/4	1,071.85	3/4	731.91	3/4	391.32	3/4	85.87	3/4		3/4	
9	2,434.66	9	2,092.16	9	1,749.66	9	1,407.16	9	1,064.73	9	724.80	9	384.43	9	79.99	9		9	
1/4	2,427.53	1/4	2,085.03	1/4	1,742.53	1/4	1,400.03	1/4	1,057.64	1/4	717.66	1/4	377.63	1/4	74.21	1/4		1/4	
1/2	2,420.39	1/2	2,077.89	1/2	1,735.39	1/2	1,392.89	1/2	1,050.55	1/2	710.53	1/2	370.83	1/2	68.43	1/2		1/2	
3/4	2,413.25	3/4	2,070.76	3/4	1,728.26	3/4	1,385.76	3/4	1,043.46	3/4	703.39	3/4	364.03	3/4	62.66	3/4		3/4	
10	2,406.12	10	2,063.62	10	1,721.12	10	1,378.62	10	1,036.36	10	696.26	10	357.23	10	56.88	10		10	
1/4	2,398.98	1/4	2,056.48	1/4	1,713.99	1/4	1,371.49	1/4	1,029.28	1/4	689.12	1/4	350.51	1/4	51.63	1/4		1/4	
1/2	2,391.85	1/2	2,049.35	1/2	1,706.85	1/2	1,364.35	1/2	1,022.21	1/2	681.99	1/2	343.79	1/2	46.37	1/2		1/2	
3/4	2,384.71	3/4	2,042.21	3/4	1,699.71	3/4	1,357.22	3/4	1,015.13	3/4	674.85	3/4	337.07	3/4	41.12	3/4		3/4	
11	2,377.58	11	2,035.08	11	1,692.58	11	1,350.08	11	1,008.05	11	667.72	11	330.35	11	35.87	11		11	
1/4	2,370.44	1/4	2,027.94	1/4	1,685.44	1/4	1,342.94	1/4	1,000.97	1/4	660.58	1/4	323.72	1/4	32.02	1/4		1/4	
1/2	2,363.31	1/2	2,020.81	1/2	1,678.31	1/2	1,335.81	1/2	993.90	1/2	653.45	1/2	317.08	1/2	28.17	1/2		1/2	
3/4	2,356.17	3/4	2,013.67	3/4	1,671.17	3/4	1,328.67	3/4	986.82	3/4	646.31	3/4	310.45	3/4	24.32	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 1/7/2021 CL
CALCULATED: 1/8/2021 CL
PRINTED: 1/8/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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CANCELS AND SUPERCEDES
ALL PRIOR TO 1/2021



BARGE "MPX 412"

1 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,041.65	0	4,756.29	0	4,414.66	0	4,072.18	0	3,728.98	0	3,385.85	0	3,042.74
1/4		1/4		1/4		1/4	5,039.65	1/4	4,749.17	1/4	4,407.54	1/4	4,065.03	1/4	3,721.83	1/4	3,378.70	1/4	3,035.59
1/2		1/2		1/2		1/2	5,037.64	1/2	4,742.06	1/2	4,400.43	1/2	4,057.88	1/2	3,714.68	1/2	3,371.55	1/2	3,028.44
3/4		3/4		3/4		3/4	5,035.63	3/4	4,734.94	3/4	4,393.31	3/4	4,050.73	3/4	3,707.53	3/4	3,364.40	3/4	3,021.30
1		1		1		1	5,033.62	1	4,727.82	1	4,386.19	1	4,043.58	1	3,700.38	1	3,357.26	1	3,014.15
1/4		1/4		1/4		1/4	5,030.42	1/4	4,720.70	1/4	4,379.07	1/4	4,036.43	1/4	3,693.23	1/4	3,350.11	1/4	3,007.00
1/2		1/2		1/2		1/2	5,027.22	1/2	4,713.59	1/2	4,371.96	1/2	4,029.28	1/2	3,686.08	1/2	3,342.96	1/2	2,999.85
3/4		3/4		3/4		3/4	5,024.03	3/4	4,706.47	3/4	4,364.84	3/4	4,022.13	3/4	3,678.93	3/4	3,335.81	3/4	2,992.70
2		2		2		2	5,020.83	2	4,699.35	2	4,357.72	2	4,014.98	2	3,671.78	2	3,328.66	2	2,985.55
1/4		1/4		1/4		1/4	5,016.44	1/4	4,692.24	1/4	4,350.61	1/4	4,007.83	1/4	3,664.63	1/4	3,321.52	1/4	2,978.40
1/2		1/2		1/2		1/2	5,012.04	1/2	4,685.12	1/2	4,343.49	1/2	4,000.68	1/2	3,657.48	1/2	3,314.37	1/2	2,971.25
3/4		3/4		3/4		3/4	5,007.65	3/4	4,678.00	3/4	4,336.37	3/4	3,993.53	3/4	3,650.33	3/4	3,307.22	3/4	2,964.10
3		3		3		3	5,003.26	3	4,670.88	3	4,329.25	3	3,986.38	3	3,643.18	3	3,300.07	3	2,956.95
1/4		1/4		1/4		1/4	4,997.68	1/4	4,663.77	1/4	4,322.14	1/4	3,979.23	1/4	3,636.03	1/4	3,292.92	1/4	2,949.80
1/2		1/2		1/2		1/2	4,992.10	1/2	4,656.65	1/2	4,315.02	1/2	3,972.08	1/2	3,628.88	1/2	3,285.78	1/2	2,942.65
3/4		3/4		3/4		3/4	4,986.51	3/4	4,649.53	3/4	4,307.90	3/4	3,964.93	3/4	3,621.74	3/4	3,278.63	3/4	2,935.50
4		4		4		4	4,980.93	4	4,642.41	4	4,300.78	4	3,957.78	4	3,614.59	4	3,271.48	4	2,928.35
1/4		1/4		1/4		1/4	4,974.34	1/4	4,635.30	1/4	4,293.67	1/4	3,950.63	1/4	3,607.44	1/4	3,264.33	1/4	2,921.20
1/2		1/2		1/2		1/2	4,967.75	1/2	4,628.18	1/2	4,286.55	1/2	3,943.48	1/2	3,600.29	1/2	3,257.18	1/2	2,914.05
3/4		3/4		3/4		3/4	4,961.16	3/4	4,621.06	3/4	4,279.43	3/4	3,936.33	3/4	3,593.14	3/4	3,250.04	3/4	2,906.90
5		5		5		5	4,954.57	5	4,613.95	5	4,272.31	5	3,929.18	5	3,586.00	5	3,242.89	5	2,899.75
1/4		1/4		1/4		1/4	4,947.54	1/4	4,606.83	1/4	4,265.18	1/4	3,922.03	1/4	3,578.85	1/4	3,235.74	1/4	2,892.60
1/2		1/2		1/2		1/2	4,940.51	1/2	4,599.71	1/2	4,258.05	1/2	3,914.88	1/2	3,571.70	1/2	3,228.59	1/2	2,885.45
3/4		3/4		3/4		3/4	4,933.48	3/4	4,592.59	3/4	4,250.92	3/4	3,907.73	3/4	3,564.55	3/4	3,221.44	3/4	2,878.30
6		6		6		6	4,926.44	6	4,585.48	6	4,243.79	6	3,900.58	6	3,557.40	6	3,214.29	6	2,871.15
1/4		1/4		1/4		1/4	4,919.38	1/4	4,578.36	1/4	4,236.64	1/4	3,893.43	1/4	3,550.26	1/4	3,207.15	1/4	2,864.00
1/2		1/2		1/2		1/2	4,912.32	1/2	4,571.24	1/2	4,229.49	1/2	3,886.28	1/2	3,543.11	1/2	3,200.00	1/2	2,856.85
3/4		3/4		3/4		3/4	4,905.25	3/4	4,564.12	3/4	4,222.34	3/4	3,879.13	3/4	3,535.96	3/4	3,192.85	3/4	2,849.70
7		7		7		7	4,898.19	7	4,557.01	7	4,215.19	7	3,871.98	7	3,528.81	7	3,185.70	7	2,842.55
1/4		1/4		1/4		1/4	4,891.11	1/4	4,549.89	1/4	4,208.04	1/4	3,864.83	1/4	3,521.66	1/4	3,178.55	1/4	2,835.40
1/2		1/2		1/2		1/2	4,884.04	1/2	4,542.77	1/2	4,200.89	1/2	3,857.68	1/2	3,514.52	1/2	3,171.41	1/2	2,828.25
3/4		3/4		3/4		3/4	4,876.97	3/4	4,535.65	3/4	4,193.74	3/4	3,850.53	3/4	3,507.37	3/4	3,164.26	3/4	2,821.10
8		8		8		8	4,869.90	8	4,528.54	8	4,186.59	8	3,843.38	8	3,500.22	8	3,157.11	8	2,813.95
1/4		1/4		1/4		1/4	4,862.83	1/4	4,521.42	1/4	4,179.44	1/4	3,836.23	1/4	3,493.07	1/4	3,149.96	1/4	2,806.80
1/2		1/2		1/2		1/2	4,855.76	1/2	4,514.30	1/2	4,172.29	1/2	3,829.08	1/2	3,485.92	1/2	3,142.81	1/2	2,799.65
3/4		3/4		3/4		3/4	4,848.68	3/4	4,507.19	3/4	4,165.14	3/4	3,821.93	3/4	3,478.77	3/4	3,135.67	3/4	2,792.50
9		9		9		9	4,841.61	9	4,500.07	9	4,157.99	9	3,814.78	9	3,471.63	9	3,128.52	9	2,785.35
1/4		1/4		1/4		1/4	4,834.52	1/4	4,492.95	1/4	4,150.84	1/4	3,807.63	1/4	3,464.48	1/4	3,121.37	1/4	2,778.20
1/2		1/2		1/2		1/2	4,827.42	1/2	4,485.83	1/2	4,143.69	1/2	3,800.48	1/2	3,457.33	1/2	3,114.22	1/2	2,771.05
3/4		3/4		3/4		3/4	4,820.32	3/4	4,478.72	3/4	4,136.53	3/4	3,793.33	3/4	3,450.18	3/4	3,107.07	3/4	2,763.90
10		10		10		10	4,813.23	10	4,471.60	10	4,129.38	10	3,786.18	10	3,443.03	10	3,099.93	10	2,756.75
1/4		1/4		1/4		1/4	4,806.11	1/4	4,464.48	1/4	4,122.23	1/4	3,779.03	1/4	3,435.89	1/4	3,092.78	1/4	2,749.60
1/2		1/2		1/2		1/2	4,798.99	1/2	4,457.36	1/2	4,115.08	1/2	3,771.88	1/2	3,428.74	1/2	3,085.63	1/2	2,742.45
3/4		3/4		3/4		3/4	4,791.88	3/4	4,450.25	3/4	4,107.93	3/4	3,764.73	3/4	3,421.59	3/4	3,078.48	3/4	2,735.30
11		11		11	5,045.37	11	4,784.76	11	4,443.13	11	4,100.78	11	3,757.58	11	3,414.44	11	3,071.33	11	2,728.15
1/4		1/4		1/4	5,044.44	1/4	4,777.64	1/4	4,436.01	1/4	4,093.63	1/4	3,750.43	1/4	3,407.29	1/4	3,064.18	1/4	2,721.00
1/2		1/2		1/2	5,043.51	1/2	4,770.53	1/2	4,428.90	1/2	4,086.48	1/2	3,743.28	1/2	3,400.15	1/2	3,057.04	1/2	2,713.85
3/4		3/4		3/4	5,042.58	3/4	4,763.41	3/4	4,421.78	3/4	4,079.33	3/4	3,736.13	3/4	3,393.00	3/4	3,049.89	3/4	2,706.70

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "MPX 412"

1 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,699.55	0	2,356.34	0	2,013.12	0	1,669.89	0	1,326.67	0	983.50	0	640.52	0	304.42	0	20.51	0	
1/4	2,692.40	1/4	2,349.19	1/4	2,005.97	1/4	1,662.74	1/4	1,319.52	1/4	976.36	1/4	633.37	1/4	297.85	1/4	17.71	1/4	
1/2	2,685.25	1/2	2,342.04	1/2	1,998.82	1/2	1,655.59	1/2	1,312.37	1/2	969.22	1/2	626.22	1/2	291.29	1/2	14.91	1/2	
3/4	2,678.10	3/4	2,334.89	3/4	1,991.67	3/4	1,648.44	3/4	1,305.22	3/4	962.08	3/4	619.07	3/4	284.72	3/4	12.11	3/4	
1	2,670.95	1	2,327.74	1	1,984.52	1	1,641.29	1	1,298.07	1	954.94	1	611.92	1	278.16	1	9.30	1	
1/4	2,663.80	1/4	2,320.59	1/4	1,977.37	1/4	1,634.14	1/4	1,290.92	1/4	947.80	1/4	604.77	1/4	271.68	1/4	7.52	1/4	
1/2	2,656.65	1/2	2,313.44	1/2	1,970.22	1/2	1,626.99	1/2	1,283.77	1/2	940.65	1/2	597.62	1/2	265.20	1/2	5.73	1/2	
3/4	2,649.50	3/4	2,306.29	3/4	1,963.07	3/4	1,619.84	3/4	1,276.62	3/4	933.51	3/4	590.47	3/4	258.71	3/4	3.94	3/4	
2	2,642.35	2	2,299.14	2	1,955.91	2	1,612.69	2	1,269.47	2	926.37	2	583.32	2	252.23	2	2.15	2	
1/4	2,635.20	1/4	2,291.99	1/4	1,948.76	1/4	1,605.54	1/4	1,262.32	1/4	919.23	1/4	576.17	1/4	245.84	1/4		1/4	
1/2	2,628.06	1/2	2,284.84	1/2	1,941.61	1/2	1,598.39	1/2	1,255.17	1/2	912.09	1/2	569.02	1/2	239.44	1/2		1/2	
3/4	2,620.91	3/4	2,277.69	3/4	1,934.46	3/4	1,591.24	3/4	1,248.02	3/4	904.95	3/4	561.87	3/4	233.04	3/4		3/4	
3	2,613.76	3	2,270.54	3	1,927.31	3	1,584.09	3	1,240.86	3	897.80	3	554.72	3	226.64	3		3	
1/4	2,606.61	1/4	2,263.39	1/4	1,920.16	1/4	1,576.94	1/4	1,233.71	1/4	890.66	1/4	547.57	1/4	220.33	1/4		1/4	
1/2	2,599.46	1/2	2,256.24	1/2	1,913.01	1/2	1,569.79	1/2	1,226.56	1/2	883.52	1/2	540.42	1/2	214.01	1/2		1/2	
3/4	2,592.31	3/4	2,249.09	3/4	1,905.86	3/4	1,562.64	3/4	1,219.41	3/4	876.38	3/4	533.27	3/4	207.70	3/4		3/4	
4	2,585.16	4	2,241.93	4	1,898.71	4	1,555.49	4	1,212.26	4	869.24	4	526.12	4	201.39	4		4	
1/4	2,578.01	1/4	2,234.78	1/4	1,891.56	1/4	1,548.34	1/4	1,205.11	1/4	862.10	1/4	518.97	1/4	195.16	1/4		1/4	
1/2	2,570.86	1/2	2,227.63	1/2	1,884.41	1/2	1,541.19	1/2	1,197.96	1/2	854.96	1/2	511.82	1/2	188.93	1/2		1/2	
3/4	2,563.71	3/4	2,220.48	3/4	1,877.26	3/4	1,534.04	3/4	1,190.81	3/4	847.81	3/4	504.67	3/4	182.69	3/4		3/4	
5	2,556.56	5	2,213.33	5	1,870.11	5	1,526.88	5	1,183.66	5	840.67	5	497.52	5	176.46	5		5	
1/4	2,549.41	1/4	2,206.18	1/4	1,862.96	1/4	1,519.73	1/4	1,176.51	1/4	833.53	1/4	490.39	1/4	170.32	1/4		1/4	
1/2	2,542.26	1/2	2,199.03	1/2	1,855.81	1/2	1,512.58	1/2	1,169.36	1/2	826.39	1/2	483.26	1/2	164.17	1/2		1/2	
3/4	2,535.11	3/4	2,191.88	3/4	1,848.66	3/4	1,505.43	3/4	1,162.21	3/4	819.25	3/4	476.13	3/4	158.02	3/4		3/4	
6	2,527.95	6	2,184.73	6	1,841.51	6	1,498.28	6	1,155.06	6	812.11	6	469.00	6	151.88	6		6	
1/4	2,520.80	1/4	2,177.58	1/4	1,834.36	1/4	1,491.13	1/4	1,147.91	1/4	804.96	1/4	461.93	1/4	145.81	1/4		1/4	
1/2	2,513.65	1/2	2,170.43	1/2	1,827.21	1/2	1,483.98	1/2	1,140.76	1/2	797.82	1/2	454.87	1/2	139.75	1/2		1/2	
3/4	2,506.50	3/4	2,163.28	3/4	1,820.06	3/4	1,476.83	3/4	1,133.61	3/4	790.67	3/4	447.80	3/4	133.69	3/4		3/4	
7	2,499.35	7	2,156.13	7	1,812.90	7	1,469.68	7	1,126.46	7	783.53	7	440.73	7	127.62	7		7	
1/4	2,492.20	1/4	2,148.98	1/4	1,805.75	1/4	1,462.53	1/4	1,119.31	1/4	776.38	1/4	433.75	1/4	121.64	1/4		1/4	
1/2	2,485.05	1/2	2,141.83	1/2	1,798.60	1/2	1,455.38	1/2	1,112.16	1/2	769.23	1/2	426.77	1/2	115.67	1/2		1/2	
3/4	2,477.90	3/4	2,134.68	3/4	1,791.45	3/4	1,448.23	3/4	1,105.01	3/4	762.08	3/4	419.79	3/4	109.69	3/4		3/4	
8	2,470.75	8	2,127.53	8	1,784.30	8	1,441.08	8	1,097.85	8	754.93	8	412.80	8	103.71	8		8	
1/4	2,463.60	1/4	2,120.38	1/4	1,777.15	1/4	1,433.93	1/4	1,090.70	1/4	747.78	1/4	405.90	1/4	97.82	1/4		1/4	
1/2	2,456.45	1/2	2,113.23	1/2	1,770.00	1/2	1,426.78	1/2	1,083.55	1/2	740.63	1/2	399.00	1/2	91.93	1/2		1/2	
3/4	2,449.30	3/4	2,106.08	3/4	1,762.85	3/4	1,419.63	3/4	1,076.40	3/4	733.48	3/4	392.10	3/4	86.04	3/4		3/4	
9	2,442.15	9	2,098.92	9	1,755.70	9	1,412.48	9	1,069.25	9	726.33	9	385.20	9	80.15	9		9	
1/4	2,435.00	1/4	2,091.77	1/4	1,748.55	1/4	1,405.33	1/4	1,062.10	1/4	719.18	1/4	378.39	1/4	74.36	1/4		1/4	
1/2	2,427.85	1/2	2,084.62	1/2	1,741.40	1/2	1,398.18	1/2	1,054.95	1/2	712.03	1/2	371.57	1/2	68.57	1/2		1/2	
3/4	2,420.70	3/4	2,077.47	3/4	1,734.25	3/4	1,391.03	3/4	1,047.80	3/4	704.88	3/4	364.76	3/4	62.78	3/4		3/4	
10	2,413.55	10	2,070.32	10	1,727.10	10	1,383.87	10	1,040.65	10	697.73	10	357.94	10	56.99	10		10	
1/4	2,406.40	1/4	2,063.17	1/4	1,719.95	1/4	1,376.72	1/4	1,033.51	1/4	690.58	1/4	351.21	1/4	51.73	1/4		1/4	
1/2	2,399.25	1/2	2,056.02	1/2	1,712.80	1/2	1,369.57	1/2	1,026.36	1/2	683.43	1/2	344.48	1/2	46.46	1/2		1/2	
3/4	2,392.10	3/4	2,048.87	3/4	1,705.65	3/4	1,362.42	3/4	1,019.22	3/4	676.28	3/4	337.74	3/4	41.20	3/4		3/4	
11	2,384.94	11	2,041.72	11	1,698.50	11	1,355.27	11	1,012.07	11	669.12	11	331.01	11	35.94	11		11	
1/4	2,377.79	1/4	2,034.57	1/4	1,691.35	1/4	1,348.12	1/4	1,004.93	1/4	661.97	1/4	324.36	1/4	32.08	1/4		1/4	
1/2	2,370.64	1/2	2,027.42	1/2	1,684.20	1/2	1,340.97	1/2	997.79	1/2	654.82	1/2	317.72	1/2	28.22	1/2		1/2	
3/4	2,363.49	3/4	2,020.27	3/4	1,677.05	3/4	1,333.82	3/4	990.64	3/4	647.67	3/4	311.07	3/4	24.37	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 1/7/2021 CL
CALCULATED: 1/8/2021 CL
PRINTED: 1/8/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.
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CANCELS AND SUPERCEDES
ALL PRIOR TO 1/2021



BARGE "MPX 412"

2 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	5,095.58	0	4,809.85	0	4,467.75	0	4,124.80	0	3,781.13	0	3,437.46	0	3,093.80		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,093.57	1/4	4,802.72	1/4	4,460.62	1/4	4,117.64	1/4	3,773.97	1/4	3,430.30	1/4	3,086.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,091.56	1/2	4,795.59	1/2	4,453.49	1/2	4,110.48	1/2	3,766.81	1/2	3,423.15	1/2	3,079.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,089.55	3/4	4,788.47	3/4	4,446.37	3/4	4,103.32	3/4	3,759.65	3/4	3,415.99	3/4	3,072.32		
1	1	1	1	1	1	1	5,087.54	1	4,781.34	1	4,439.24	1	4,096.16	1	3,752.49	1	3,408.83	1	3,065.16		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,084.34	1/4	4,774.21	1/4	4,432.11	1/4	4,089.00	1/4	3,745.33	1/4	3,401.67	1/4	3,058.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,081.14	1/2	4,767.09	1/2	4,424.99	1/2	4,081.84	1/2	3,738.17	1/2	3,394.51	1/2	3,050.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,077.93	3/4	4,759.96	3/4	4,417.86	3/4	4,074.68	3/4	3,731.01	3/4	3,387.35	3/4	3,043.69		
2	2	2	2	2	2	2	5,074.73	2	4,752.83	2	4,410.73	2	4,067.52	2	3,723.85	2	3,380.19	2	3,036.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,070.34	1/4	4,745.70	1/4	4,403.60	1/4	4,060.36	1/4	3,716.69	1/4	3,373.03	1/4	3,029.37		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,065.94	1/2	4,738.58	1/2	4,396.48	1/2	4,053.20	1/2	3,709.53	1/2	3,365.87	1/2	3,022.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,061.54	3/4	4,731.45	3/4	4,389.35	3/4	4,046.04	3/4	3,702.37	3/4	3,358.71	3/4	3,015.05		
3	3	3	3	3	3	3	5,057.15	3	4,724.32	3	4,382.22	3	4,038.88	3	3,695.21	3	3,351.55	3	3,007.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,051.56	1/4	4,717.20	1/4	4,375.10	1/4	4,031.72	1/4	3,688.05	1/4	3,344.39	1/4	3,000.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,045.97	1/2	4,710.07	1/2	4,367.97	1/2	4,024.56	1/2	3,680.89	1/2	3,337.23	1/2	2,993.57		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,040.38	3/4	4,702.94	3/4	4,360.84	3/4	4,017.40	3/4	3,673.73	3/4	3,330.07	3/4	2,986.40		
4	4	4	4	4	4	4	5,034.79	4	4,695.81	4	4,353.71	4	4,010.24	4	3,666.57	4	3,322.91	4	2,979.24		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,028.19	1/4	4,688.69	1/4	4,346.59	1/4	4,003.08	1/4	3,659.42	1/4	3,315.75	1/4	2,972.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,021.59	1/2	4,681.56	1/2	4,339.46	1/2	3,995.92	1/2	3,652.26	1/2	3,308.59	1/2	2,964.92		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,014.99	3/4	4,674.43	3/4	4,332.33	3/4	3,988.76	3/4	3,645.10	3/4	3,301.43	3/4	2,957.76		
5	5	5	5	5	5	5	5,008.39	5	4,667.31	5	4,325.21	5	3,981.60	5	3,637.94	5	3,294.27	5	2,950.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,001.35	1/4	4,660.18	1/4	4,318.06	1/4	3,974.44	1/4	3,630.78	1/4	3,287.11	1/4	2,943.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,994.30	1/2	4,653.05	1/2	4,310.92	1/2	3,967.28	1/2	3,623.62	1/2	3,279.95	1/2	2,936.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,987.26	3/4	4,645.93	3/4	4,303.77	3/4	3,960.12	3/4	3,616.46	3/4	3,272.79	3/4	2,929.11		
6	6	6	6	6	6	6	4,980.22	6	4,638.80	6	4,296.63	6	3,952.96	6	3,609.30	6	3,265.63	6	2,921.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,973.15	1/4	4,631.67	1/4	4,289.47	1/4	3,945.80	1/4	3,602.14	1/4	3,258.47	1/4	2,914.79		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,966.08	1/2	4,624.54	1/2	4,282.31	1/2	3,938.64	1/2	3,594.98	1/2	3,251.31	1/2	2,907.62		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,959.00	3/4	4,617.42	3/4	4,275.15	3/4	3,931.48	3/4	3,587.82	3/4	3,244.15	3/4	2,900.46		
7	7	7	7	7	7	7	4,951.93	7	4,610.29	7	4,267.99	7	3,924.32	7	3,580.66	7	3,236.99	7	2,893.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,944.85	1/4	4,603.16	1/4	4,260.83	1/4	3,917.16	1/4	3,573.50	1/4	3,229.83	1/4	2,886.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,937.77	1/2	4,596.04	1/2	4,253.67	1/2	3,910.00	1/2	3,566.34	1/2	3,222.67	1/2	2,878.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,930.69	3/4	4,588.91	3/4	4,246.51	3/4	3,902.84	3/4	3,559.18	3/4	3,215.51	3/4	2,871.82		
8	8	8	8	8	8	8	4,923.61	8	4,581.78	8	4,239.35	8	3,895.69	8	3,552.02	8	3,208.35	8	2,864.65		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,916.53	1/4	4,574.65	1/4	4,232.19	1/4	3,888.53	1/4	3,544.86	1/4	3,201.19	1/4	2,857.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,909.44	1/2	4,567.53	1/2	4,225.03	1/2	3,881.37	1/2	3,537.70	1/2	3,194.03	1/2	2,850.33		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,902.36	3/4	4,560.40	3/4	4,217.87	3/4	3,874.21	3/4	3,530.54	3/4	3,186.87	3/4	2,843.17		
9	9	9	9	9	9	9	4,895.28	9	4,553.27	9	4,210.71	9	3,867.05	9	3,523.38	9	3,179.72	9	2,836.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,888.18	1/4	4,546.15	1/4	4,203.55	1/4	3,859.89	1/4	3,516.22	1/4	3,172.56	1/4	2,828.84		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,881.07	1/2	4,539.02	1/2	4,196.39	1/2	3,852.73	1/2	3,509.06	1/2	3,165.40	1/2	2,821.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,873.97	3/4	4,531.89	3/4	4,189.23	3/4	3,845.57	3/4	3,501.90	3/4	3,158.24	3/4	2,814.52		
10	10	10	10	10	10	10	4,866.87	10	4,524.76	10	4,182.07	10	3,838.41	10	3,494.74	10	3,151.08	10	2,807.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,859.74	1/4	4,517.64	1/4	4,174.91	1/4	3,831.25	1/4	3,487.58	1/4	3,143.92	1/4	2,800.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,852.61	1/2	4,510.51	1/2	4,167.75	1/2	3,824.09	1/2	3,480.42	1/2	3,136.76	1/2	2,793.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,845.48	3/4	4,503.38	3/4	4,160.59	3/4	3,816.93	3/4	3,473.26	3/4	3,129.60	3/4	2,785.87		
11	11	11	11	11	11	11	5,099.30	11	4,838.36	11	4,496.26	11	4,153.43	11	3,809.77	11	3,466.10	11	3,122.44	11	2,778.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,098.37	1/4	4,831.23	1/4	4,489.13	1/4	4,146.27	1/4	3,802.61	1/4	3,458.94	1/4	3,115.28	1/4	2,771.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,097.44	1/2	4,824.10	1/2	4,482.00	1/2	4,139.12	1/2	3,795.45	1/2	3,451.78	1/2	3,108.12	1/2	2,764.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,096.51	3/4	4,816.98	3/4	4,474.87	3/4	4,131.96	3/4	3,788.29	3/4	3,444.62	3/4	3,100.96	3/4	2,757.23

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 LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "MPX 412"

2 PORT ULLAGE TABLE 10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,750.06	0	2,406.30	0	2,062.53	0	1,718.77	0	1,375.00	0	1,035.41	0	702.00	0	358.24	0	23.64	0	
1/4	2,742.90	1/4	2,399.14	1/4	2,055.37	1/4	1,711.60	1/4	1,367.84	1/4	1,028.56	1/4	694.83	1/4	351.08	1/4	20.06	1/4	
1/2	2,735.74	1/2	2,391.97	1/2	2,048.21	1/2	1,704.44	1/2	1,360.68	1/2	1,021.71	1/2	687.67	1/2	343.92	1/2	16.48	1/2	
3/4	2,728.58	3/4	2,384.81	3/4	2,041.05	3/4	1,697.28	3/4	1,353.51	3/4	1,014.85	3/4	680.51	3/4	336.76	3/4	12.90	3/4	
1	2,721.42	1	2,377.65	1	2,033.88	1	1,690.12	1	1,346.35	1	1,008.00	1	673.35	1	329.60	1	9.32	1	
1/4	2,714.26	1/4	2,370.49	1/4	2,026.72	1/4	1,682.96	1/4	1,339.19	1/4	1,001.14	1/4	666.19	1/4	322.44	1/4	7.53	1/4	
1/2	2,707.09	1/2	2,363.33	1/2	2,019.56	1/2	1,675.79	1/2	1,332.03	1/2	994.29	1/2	659.03	1/2	315.27	1/2	5.74	1/2	
3/4	2,699.93	3/4	2,356.17	3/4	2,012.40	3/4	1,668.63	3/4	1,324.87	3/4	987.44	3/4	651.87	3/4	308.11	3/4	3.95	3/4	
2	2,692.77	2	2,349.00	2	2,005.24	2	1,661.47	2	1,317.70	2	980.58	2	644.70	2	300.95	2	2.16	2	
1/4	2,685.61	1/4	2,341.84	1/4	1,998.08	1/4	1,654.31	1/4	1,310.54	1/4	973.73	1/4	637.54	1/4	293.79	1/4		1/4	
1/2	2,678.45	1/2	2,334.68	1/2	1,990.91	1/2	1,647.15	1/2	1,303.38	1/2	966.88	1/2	630.38	1/2	286.63	1/2		1/2	
3/4	2,671.28	3/4	2,327.52	3/4	1,983.75	3/4	1,639.99	3/4	1,296.22	3/4	960.02	3/4	623.22	3/4	279.47	3/4		3/4	
3	2,664.12	3	2,320.36	3	1,976.59	3	1,632.82	3	1,289.06	3	953.17	3	616.06	3	272.31	3		3	
1/4	2,656.96	1/4	2,313.19	1/4	1,969.43	1/4	1,625.66	1/4	1,281.90	1/4	946.31	1/4	608.90	1/4	265.14	1/4		1/4	
1/2	2,649.80	1/2	2,306.03	1/2	1,962.27	1/2	1,618.50	1/2	1,274.73	1/2	939.46	1/2	601.73	1/2	257.98	1/2		1/2	
3/4	2,642.64	3/4	2,298.87	3/4	1,955.10	3/4	1,611.34	3/4	1,267.57	3/4	932.61	3/4	594.57	3/4	250.82	3/4		3/4	
4	2,635.48	4	2,291.71	4	1,947.94	4	1,604.18	4	1,260.41	4	925.75	4	587.41	4	243.66	4		4	
1/4	2,628.31	1/4	2,284.55	1/4	1,940.78	1/4	1,597.01	1/4	1,253.25	1/4	918.90	1/4	580.25	1/4	236.50	1/4		1/4	
1/2	2,621.15	1/2	2,277.39	1/2	1,933.62	1/2	1,589.85	1/2	1,246.09	1/2	912.05	1/2	573.09	1/2	229.34	1/2		1/2	
3/4	2,613.99	3/4	2,270.22	3/4	1,926.46	3/4	1,582.69	3/4	1,238.92	3/4	905.19	3/4	565.93	3/4	222.18	3/4		3/4	
5	2,606.83	5	2,263.06	5	1,919.30	5	1,575.53	5	1,231.76	5	898.34	5	558.77	5	215.01	5		5	
1/4	2,599.67	1/4	2,255.90	1/4	1,912.13	1/4	1,568.37	1/4	1,224.60	1/4	891.49	1/4	551.60	1/4	207.85	1/4		1/4	
1/2	2,592.50	1/2	2,248.74	1/2	1,904.97	1/2	1,561.21	1/2	1,217.44	1/2	884.63	1/2	544.44	1/2	200.69	1/2		1/2	
3/4	2,585.34	3/4	2,241.58	3/4	1,897.81	3/4	1,554.04	3/4	1,210.28	3/4	877.78	3/4	537.28	3/4	193.53	3/4		3/4	
6	2,578.18	6	2,234.41	6	1,890.65	6	1,546.88	6	1,203.12	6	870.93	6	530.12	6	186.37	6		6	
1/4	2,571.02	1/4	2,227.25	1/4	1,883.49	1/4	1,539.72	1/4	1,195.95	1/4	864.07	1/4	522.96	1/4	179.21	1/4		1/4	
1/2	2,563.86	1/2	2,220.09	1/2	1,876.32	1/2	1,532.56	1/2	1,188.79	1/2	857.21	1/2	515.80	1/2	172.04	1/2		1/2	
3/4	2,556.70	3/4	2,212.93	3/4	1,869.16	3/4	1,525.40	3/4	1,181.63	3/4	850.35	3/4	508.64	3/4	164.88	3/4		3/4	
7	2,549.53	7	2,205.77	7	1,862.00	7	1,518.23	7	1,174.47	7	843.50	7	501.47	7	157.72	7		7	
1/4	2,542.37	1/4	2,198.61	1/4	1,854.84	1/4	1,511.07	1/4	1,167.31	1/4	836.62	1/4	494.31	1/4	150.56	1/4		1/4	
1/2	2,535.21	1/2	2,191.44	1/2	1,847.68	1/2	1,503.91	1/2	1,160.14	1/2	829.75	1/2	487.15	1/2	143.40	1/2		1/2	
3/4	2,528.05	3/4	2,184.28	3/4	1,840.52	3/4	1,496.75	3/4	1,152.98	3/4	822.88	3/4	479.99	3/4	136.24	3/4		3/4	
8	2,520.89	8	2,177.12	8	1,833.35	8	1,489.59	8	1,145.82	8	816.01	8	472.83	8	129.08	8		8	
1/4	2,513.73	1/4	2,169.96	1/4	1,826.19	1/4	1,482.43	1/4	1,138.80	1/4	808.99	1/4	465.67	1/4	121.92	1/4		1/4	
1/2	2,506.56	1/2	2,162.80	1/2	1,819.03	1/2	1,475.26	1/2	1,131.78	1/2	801.97	1/2	458.50	1/2	114.77	1/2		1/2	
3/4	2,499.40	3/4	2,155.64	3/4	1,811.87	3/4	1,468.10	3/4	1,124.76	3/4	794.95	3/4	451.34	3/4	107.61	3/4		3/4	
9	2,492.24	9	2,148.47	9	1,804.71	9	1,460.94	9	1,117.74	9	787.93	9	444.18	9	100.46	9		9	
1/4	2,485.08	1/4	2,141.31	1/4	1,797.55	1/4	1,453.78	1/4	1,110.87	1/4	780.77	1/4	437.02	1/4	93.32	1/4		1/4	
1/2	2,477.92	1/2	2,134.15	1/2	1,790.38	1/2	1,446.62	1/2	1,104.00	1/2	773.61	1/2	429.86	1/2	86.18	1/2		1/2	
3/4	2,470.75	3/4	2,126.99	3/4	1,783.22	3/4	1,439.46	3/4	1,097.13	3/4	766.45	3/4	422.70	3/4	79.04	3/4		3/4	
10	2,463.59	10	2,119.83	10	1,776.06	10	1,432.29	10	1,090.26	10	759.29	10	415.54	10	71.90	10		10	
1/4	2,456.43	1/4	2,112.66	1/4	1,768.90	1/4	1,425.13	1/4	1,083.40	1/4	752.13	1/4	408.37	1/4	65.21	1/4		1/4	
1/2	2,449.27	1/2	2,105.50	1/2	1,761.74	1/2	1,417.97	1/2	1,076.54	1/2	744.96	1/2	401.21	1/2	58.51	1/2		1/2	
3/4	2,442.11	3/4	2,098.34	3/4	1,754.57	3/4	1,410.81	3/4	1,069.69	3/4	737.80	3/4	394.05	3/4	51.82	3/4		3/4	
11	2,434.95	11	2,091.18	11	1,747.41	11	1,403.65	11	1,062.83	11	730.64	11	386.89	11	45.12	11		11	
1/4	2,427.78	1/4	2,084.02	1/4	1,740.25	1/4	1,396.48	1/4	1,055.97	1/4	723.48	1/4	379.73	1/4	39.75	1/4		1/4	
1/2	2,420.62	1/2	2,076.86	1/2	1,733.09	1/2	1,389.32	1/2	1,049.12	1/2	716.32	1/2	372.57	1/2	34.38	1/2		1/2	
3/4	2,413.46	3/4	2,069.69	3/4	1,725.93	3/4	1,382.16	3/4	1,042.27	3/4	709.16	3/4	365.41	3/4	29.01	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 1/7/2021 CL
CALCULATED: 1/8/2021 CL
PRINTED: 1/8/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 1/2021



BARGE "MPX 412"

2 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	5,106.41	0	4,820.78	0	4,478.83	0	4,136.03	0	3,792.51	0	3,449.06	0	3,105.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,104.40	1/4	4,813.66	1/4	4,471.70	1/4	4,128.87	1/4	3,785.35	1/4	3,441.90	1/4	3,098.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,102.39	1/2	4,806.53	1/2	4,464.58	1/2	4,121.72	1/2	3,778.19	1/2	3,434.75	1/2	3,091.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,100.38	3/4	4,799.41	3/4	4,457.46	3/4	4,114.56	3/4	3,771.04	3/4	3,427.59	3/4	3,084.17		
1	1	1	1	1	1	1	4,792.28	1	4,450.33	1	4,107.40	1	3,763.88	1	3,420.44	1	3,077.01				
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,095.17	1/4	4,785.16	1/4	4,443.21	1/4	4,100.24	1/4	3,756.72	1/4	3,413.28	1/4	3,069.86		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,091.97	1/2	4,778.04	1/2	4,436.08	1/2	4,093.09	1/2	3,749.57	1/2	3,406.13	1/2	3,062.70		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,088.76	3/4	4,770.91	3/4	4,428.96	3/4	4,085.93	3/4	3,742.41	3/4	3,398.97	3/4	3,055.55		
2	2	2	2	2	2	2	5,085.56	2	4,763.79	2	4,421.84	2	4,078.77	2	3,735.25	2	3,391.82	2	3,048.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,081.16	1/4	4,756.66	1/4	4,414.71	1/4	4,071.62	1/4	3,728.10	1/4	3,384.66	1/4	3,041.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,076.77	1/2	4,749.54	1/2	4,407.59	1/2	4,064.46	1/2	3,720.94	1/2	3,377.51	1/2	3,034.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,072.37	3/4	4,742.42	3/4	4,400.46	3/4	4,057.30	3/4	3,713.78	3/4	3,370.35	3/4	3,026.93		
3	3	3	3	3	3	3	5,067.98	3	4,735.29	3	4,393.34	3	4,050.15	3	3,706.63	3	3,363.20	3	3,019.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,062.39	1/4	4,728.17	1/4	4,386.22	1/4	4,042.99	1/4	3,699.47	1/4	3,356.04	1/4	3,012.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,056.80	1/2	4,721.04	1/2	4,379.09	1/2	4,035.83	1/2	3,692.32	1/2	3,348.89	1/2	3,005.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,051.21	3/4	4,713.92	3/4	4,371.97	3/4	4,028.68	3/4	3,685.16	3/4	3,341.74	3/4	2,998.30		
4	4	4	4	4	4	4	5,045.63	4	4,706.80	4	4,364.84	4	4,021.52	4	3,678.01	4	3,334.58	4	2,991.14		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,039.03	1/4	4,699.67	1/4	4,357.72	1/4	4,014.36	1/4	3,670.85	1/4	3,327.43	1/4	2,983.99		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,032.43	1/2	4,692.55	1/2	4,350.60	1/2	4,007.21	1/2	3,663.70	1/2	3,320.27	1/2	2,976.83		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,025.83	3/4	4,685.42	3/4	4,343.47	3/4	4,000.05	3/4	3,656.54	3/4	3,313.12	3/4	2,969.67		
5	5	5	5	5	5	5	5,019.24	5	4,678.30	5	4,336.35	5	3,992.89	5	3,649.39	5	3,305.96	5	2,962.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,012.20	1/4	4,671.18	1/4	4,329.21	1/4	3,985.74	1/4	3,642.23	1/4	3,298.81	1/4	2,955.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,005.16	1/2	4,664.05	1/2	4,322.07	1/2	3,978.58	1/2	3,635.08	1/2	3,291.65	1/2	2,948.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,998.13	3/4	4,656.93	3/4	4,314.93	3/4	3,971.42	3/4	3,627.92	3/4	3,284.50	3/4	2,941.05		
6	6	6	6	6	6	6	4,991.09	6	4,649.80	6	4,307.79	6	3,964.27	6	3,620.77	6	3,277.34	6	2,933.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,984.02	1/4	4,642.68	1/4	4,300.63	1/4	3,957.11	1/4	3,613.61	1/4	3,270.19	1/4	2,926.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,976.95	1/2	4,635.56	1/2	4,293.48	1/2	3,949.95	1/2	3,606.46	1/2	3,263.03	1/2	2,919.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,969.88	3/4	4,628.43	3/4	4,286.32	3/4	3,942.80	3/4	3,599.30	3/4	3,255.88	3/4	2,912.42		
7	7	7	7	7	7	7	4,962.80	7	4,621.31	7	4,279.16	7	3,935.64	7	3,592.15	7	3,248.72	7	2,905.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,955.73	1/4	4,614.18	1/4	4,272.01	1/4	3,928.48	1/4	3,585.00	1/4	3,241.57	1/4	2,898.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,948.65	1/2	4,607.06	1/2	4,264.85	1/2	3,921.33	1/2	3,577.84	1/2	3,234.42	1/2	2,890.95		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,941.57	3/4	4,599.94	3/4	4,257.69	3/4	3,914.17	3/4	3,570.69	3/4	3,227.26	3/4	2,883.79		
8	8	8	8	8	8	8	4,934.49	8	4,592.81	8	4,250.54	8	3,907.01	8	3,563.53	8	3,220.11	8	2,876.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,927.41	1/4	4,585.69	1/4	4,243.38	1/4	3,899.86	1/4	3,556.38	1/4	3,212.95	1/4	2,869.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,920.33	1/2	4,578.56	1/2	4,236.22	1/2	3,892.70	1/2	3,549.22	1/2	3,205.80	1/2	2,862.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,913.26	3/4	4,571.44	3/4	4,229.07	3/4	3,885.54	3/4	3,542.07	3/4	3,198.64	3/4	2,855.16		
9	9	9	9	9	9	9	4,906.18	9	4,564.32	9	4,221.91	9	3,878.39	9	3,534.91	9	3,191.49	9	2,848.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,899.08	1/4	4,557.19	1/4	4,214.75	1/4	3,871.23	1/4	3,527.76	1/4	3,184.33	1/4	2,840.85		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,891.97	1/2	4,550.07	1/2	4,207.60	1/2	3,864.07	1/2	3,520.60	1/2	3,177.18	1/2	2,833.69		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,884.87	3/4	4,542.94	3/4	4,200.44	3/4	3,856.92	3/4	3,513.45	3/4	3,170.02	3/4	2,826.54		
10	10	10	10	10	10	10	4,877.77	10	4,535.82	10	4,193.28	10	3,849.76	10	3,506.29	10	3,162.87	10	2,819.38		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,870.65	1/4	4,528.70	1/4	4,186.13	1/4	3,842.60	1/4	3,499.14	1/4	3,155.71	1/4	2,812.22		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,863.52	1/2	4,521.57	1/2	4,178.97	1/2	3,835.45	1/2	3,491.98	1/2	3,148.56	1/2	2,805.07		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,856.40	3/4	4,514.45	3/4	4,171.81	3/4	3,828.29	3/4	3,484.83	3/4	3,141.40	3/4	2,797.91		
11	11	11	11	11	11	11	5,110.13	11	4,849.28	11	4,507.32	11	4,164.66	11	3,821.13	11	3,477.67	11	3,134.25	11	2,790.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,109.20	1/4	4,842.15	1/4	4,500.20	1/4	4,157.50	1/4	3,813.98	1/4	3,470.52	1/4	3,127.09	1/4	2,783.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,108.27	1/2	4,835.03	1/2	4,493.08	1/2	4,150.34	1/2	3,806.82	1/2	3,463.37	1/2	3,119.94	1/2	2,776.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,107.34	3/4	4,827.90	3/4	4,485.95	3/4	4,143.19	3/4	3,799.66	3/4	3,456.21	3/4	3,112.79	3/4	2,769.28

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 LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "MPX 412"

2 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,762.13	0	2,418.61	0	2,075.08	0	1,731.56	0	1,388.04	0	1,044.63	0	701.50	0	357.99	0	23.63	0	
1/4	2,754.97	1/4	2,411.45	1/4	2,067.93	1/4	1,724.41	1/4	1,380.88	1/4	1,037.48	1/4	694.34	1/4	350.84	1/4	20.05	1/4	
1/2	2,747.81	1/2	2,404.29	1/2	2,060.77	1/2	1,717.25	1/2	1,373.73	1/2	1,030.34	1/2	687.19	1/2	343.68	1/2	16.47	1/2	
3/4	2,740.66	3/4	2,397.14	3/4	2,053.61	3/4	1,710.09	3/4	1,366.57	3/4	1,023.20	3/4	680.03	3/4	336.52	3/4	12.89	3/4	
1	2,733.50	1	2,389.98	1	2,046.46	1	1,702.94	1	1,359.41	1	1,016.06	1	672.87	1	329.37	1	9.32	1	
1/4	2,726.34	1/4	2,382.82	1/4	2,039.30	1/4	1,695.78	1/4	1,352.26	1/4	1,008.91	1/4	665.72	1/4	322.21	1/4	7.53	1/4	
1/2	2,719.19	1/2	2,375.67	1/2	2,032.14	1/2	1,688.62	1/2	1,345.10	1/2	1,001.77	1/2	658.56	1/2	315.05	1/2	5.74	1/2	
3/4	2,712.03	3/4	2,368.51	3/4	2,024.99	3/4	1,681.47	3/4	1,337.94	3/4	994.63	3/4	651.40	3/4	307.90	3/4	3.95	3/4	
2	2,704.87	2	2,361.35	2	2,017.83	2	1,674.31	2	1,330.79	2	987.49	2	644.25	2	300.74	2	2.16	2	
1/4	2,697.72	1/4	2,354.20	1/4	2,010.67	1/4	1,667.15	1/4	1,323.63	1/4	980.34	1/4	637.09	1/4	293.58	1/4		1/4	
1/2	2,690.56	1/2	2,347.04	1/2	2,003.52	1/2	1,660.00	1/2	1,316.47	1/2	973.20	1/2	629.94	1/2	286.43	1/2		1/2	
3/4	2,683.40	3/4	2,339.88	3/4	1,996.36	3/4	1,652.84	3/4	1,309.32	3/4	966.06	3/4	622.78	3/4	279.27	3/4		3/4	
3	2,676.25	3	2,332.73	3	1,989.20	3	1,645.68	3	1,302.16	3	958.92	3	615.62	3	272.12	3		3	
1/4	2,669.09	1/4	2,325.57	1/4	1,982.05	1/4	1,638.53	1/4	1,295.00	1/4	951.77	1/4	608.47	1/4	264.96	1/4		1/4	
1/2	2,661.93	1/2	2,318.41	1/2	1,974.89	1/2	1,631.37	1/2	1,287.85	1/2	944.63	1/2	601.31	1/2	257.80	1/2		1/2	
3/4	2,654.78	3/4	2,311.26	3/4	1,967.73	3/4	1,624.21	3/4	1,280.69	3/4	937.49	3/4	594.15	3/4	250.65	3/4		3/4	
4	2,647.62	4	2,304.10	4	1,960.58	4	1,617.06	4	1,273.53	4	930.35	4	587.00	4	243.49	4		4	
1/4	2,640.46	1/4	2,296.94	1/4	1,953.42	1/4	1,609.90	1/4	1,266.38	1/4	923.20	1/4	579.84	1/4	236.33	1/4		1/4	
1/2	2,633.31	1/2	2,289.79	1/2	1,946.26	1/2	1,602.74	1/2	1,259.22	1/2	916.06	1/2	572.68	1/2	229.18	1/2		1/2	
3/4	2,626.15	3/4	2,282.63	3/4	1,939.11	3/4	1,595.59	3/4	1,252.06	3/4	908.92	3/4	565.53	3/4	222.02	3/4		3/4	
5	2,618.99	5	2,275.47	5	1,931.95	5	1,588.43	5	1,244.91	5	901.78	5	558.37	5	214.86	5		5	
1/4	2,611.84	1/4	2,268.32	1/4	1,924.79	1/4	1,581.27	1/4	1,237.75	1/4	894.63	1/4	551.21	1/4	207.71	1/4		1/4	
1/2	2,604.68	1/2	2,261.16	1/2	1,917.64	1/2	1,574.12	1/2	1,230.59	1/2	887.49	1/2	544.06	1/2	200.55	1/2		1/2	
3/4	2,597.52	3/4	2,254.00	3/4	1,910.48	3/4	1,566.96	3/4	1,223.44	3/4	880.35	3/4	536.90	3/4	193.39	3/4		3/4	
6	2,590.37	6	2,246.85	6	1,903.32	6	1,559.80	6	1,216.28	6	873.21	6	529.75	6	186.24	6		6	
1/4	2,583.21	1/4	2,239.69	1/4	1,896.17	1/4	1,552.65	1/4	1,209.12	1/4	866.06	1/4	522.59	1/4	179.08	1/4		1/4	
1/2	2,576.05	1/2	2,232.53	1/2	1,889.01	1/2	1,545.49	1/2	1,201.97	1/2	858.91	1/2	515.43	1/2	171.93	1/2		1/2	
3/4	2,568.90	3/4	2,225.38	3/4	1,881.85	3/4	1,538.33	3/4	1,194.81	3/4	851.77	3/4	508.28	3/4	164.77	3/4		3/4	
7	2,561.74	7	2,218.22	7	1,874.70	7	1,531.18	7	1,187.65	7	844.62	7	501.12	7	157.61	7		7	
1/4	2,554.58	1/4	2,211.06	1/4	1,867.54	1/4	1,524.02	1/4	1,180.50	1/4	837.47	1/4	493.96	1/4	150.46	1/4		1/4	
1/2	2,547.43	1/2	2,203.91	1/2	1,860.38	1/2	1,516.86	1/2	1,173.34	1/2	830.31	1/2	486.81	1/2	143.30	1/2		1/2	
3/4	2,540.27	3/4	2,196.75	3/4	1,853.23	3/4	1,509.71	3/4	1,166.18	3/4	823.16	3/4	479.65	3/4	136.15	3/4		3/4	
8	2,533.11	8	2,189.59	8	1,846.07	8	1,502.55	8	1,159.03	8	816.00	8	472.49	8	128.99	8		8	
1/4	2,525.96	1/4	2,182.43	1/4	1,838.91	1/4	1,495.39	1/4	1,151.87	1/4	808.85	1/4	465.34	1/4	121.84	1/4		1/4	
1/2	2,518.80	1/2	2,175.28	1/2	1,831.76	1/2	1,488.24	1/2	1,144.71	1/2	801.69	1/2	458.18	1/2	114.69	1/2		1/2	
3/4	2,511.64	3/4	2,168.12	3/4	1,824.60	3/4	1,481.08	3/4	1,137.56	3/4	794.53	3/4	451.03	3/4	107.54	3/4		3/4	
9	2,504.49	9	2,160.96	9	1,817.44	9	1,473.92	9	1,130.40	9	787.38	9	443.87	9	100.39	9		9	
1/4	2,497.33	1/4	2,153.81	1/4	1,810.29	1/4	1,466.76	1/4	1,123.25	1/4	780.22	1/4	436.71	1/4	93.25	1/4		1/4	
1/2	2,490.17	1/2	2,146.65	1/2	1,803.13	1/2	1,459.61	1/2	1,116.09	1/2	773.06	1/2	429.56	1/2	86.12	1/2		1/2	
3/4	2,483.02	3/4	2,139.49	3/4	1,795.97	3/4	1,452.45	3/4	1,108.94	3/4	765.91	3/4	422.40	3/4	78.99	3/4		3/4	
10	2,475.86	10	2,132.34	10	1,788.82	10	1,445.29	10	1,101.78	10	758.75	10	415.24	10	71.86	10		10	
1/4	2,468.70	1/4	2,125.18	1/4	1,781.66	1/4	1,438.14	1/4	1,094.64	1/4	751.59	1/4	408.09	1/4	65.17	1/4		1/4	
1/2	2,461.55	1/2	2,118.02	1/2	1,774.50	1/2	1,430.98	1/2	1,087.49	1/2	744.44	1/2	400.93	1/2	58.48	1/2		1/2	
3/4	2,454.39	3/4	2,110.87	3/4	1,767.35	3/4	1,423.82	3/4	1,080.34	3/4	737.28	3/4	393.77	3/4	51.78	3/4		3/4	
11	2,447.23	11	2,103.71	11	1,760.19	11	1,416.67	11	1,073.20	11	730.12	11	386.62	11	45.09	11		11	
1/4	2,440.08	1/4	2,096.55	1/4	1,753.03	1/4	1,409.51	1/4	1,066.06	1/4	722.97	1/4	379.46	1/4	39.73	1/4		1/4	
1/2	2,432.92	1/2	2,089.40	1/2	1,745.88	1/2	1,402.35	1/2	1,058.91	1/2	715.81	1/2	372.30	1/2	34.36	1/2		1/2	
3/4	2,425.76	3/4	2,082.24	3/4	1,738.72	3/4	1,395.20	3/4	1,051.77	3/4	708.66	3/4	365.15	3/4	28.99	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 1/7/2021 CL
CALCULATED: 1/8/2021 CL
PRINTED: 1/8/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 1/2021



BARGE "MPX 412"

3 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,397.59	0	4,228.11	0	4,019.17	0	3,809.73	0	3,599.88	0	3,390.56	0	3,077.28
1/4		1/4		1/4		1/4	4,395.88	1/4	4,223.76	1/4	4,014.82	1/4	3,805.36	1/4	3,595.51	1/4	3,386.21	1/4	3,070.16
1/2		1/2		1/2		1/2	4,394.18	1/2	4,219.40	1/2	4,010.46	1/2	3,800.99	1/2	3,591.13	1/2	3,381.86	1/2	3,063.04
3/4		3/4		3/4		3/4	4,392.47	3/4	4,215.05	3/4	4,006.11	3/4	3,796.62	3/4	3,586.76	3/4	3,377.52	3/4	3,055.93
1		1		1		1	4,390.76	1	4,210.70	1	4,001.76	1	3,792.25	1	3,582.39	1	3,373.17	1	3,048.81
1/4		1/4		1/4		1/4	4,389.05	1/4	4,206.34	1/4	3,997.40	1/4	3,787.87	1/4	3,578.02	1/4	3,368.83	1/4	3,041.69
1/2		1/2		1/2		1/2	4,387.34	1/2	4,201.99	1/2	3,993.05	1/2	3,783.50	1/2	3,573.65	1/2	3,364.49	1/2	3,034.57
3/4		3/4		3/4		3/4	4,385.64	3/4	4,197.64	3/4	3,988.70	3/4	3,779.13	3/4	3,569.27	3/4	3,360.16	3/4	3,027.44
2		2		2		2	4,383.93	2	4,193.28	2	3,984.35	2	3,774.76	2	3,564.90	2	3,355.82	2	3,020.32
1/4		1/4		1/4		1/4	4,381.95	1/4	4,188.93	1/4	3,979.99	1/4	3,770.39	1/4	3,560.53	1/4	3,350.10	1/4	3,013.19
1/2		1/2		1/2		1/2	4,379.98	1/2	4,184.58	1/2	3,975.64	1/2	3,766.01	1/2	3,556.16	1/2	3,344.38	1/2	3,006.05
3/4		3/4		3/4		3/4	4,378.00	3/4	4,180.23	3/4	3,971.29	3/4	3,761.64	3/4	3,551.79	3/4	3,338.66	3/4	2,998.92
3		3		3		3	4,376.02	3	4,175.87	3	3,966.93	3	3,757.27	3	3,547.41	3	3,332.94	3	2,991.79
1/4		1/4		1/4		1/4	4,373.18	1/4	4,171.52	1/4	3,962.58	1/4	3,752.90	1/4	3,543.05	1/4	3,325.84	1/4	2,984.66
1/2		1/2		1/2		1/2	4,370.34	1/2	4,167.17	1/2	3,958.23	1/2	3,748.53	1/2	3,538.69	1/2	3,318.74	1/2	2,977.53
3/4		3/4		3/4		3/4	4,367.51	3/4	4,162.81	3/4	3,953.88	3/4	3,744.15	3/4	3,534.32	3/4	3,311.64	3/4	2,970.40
4		4		4		4	4,364.67	4	4,158.46	4	3,949.52	4	3,739.78	4	3,529.96	4	3,304.54	4	2,963.26
1/4		1/4		1/4		1/4	4,360.82	1/4	4,154.11	1/4	3,945.17	1/4	3,735.41	1/4	3,525.60	1/4	3,297.44	1/4	2,956.13
1/2		1/2		1/2		1/2	4,356.98	1/2	4,149.76	1/2	3,940.82	1/2	3,731.04	1/2	3,521.24	1/2	3,290.34	1/2	2,949.00
3/4		3/4		3/4		3/4	4,353.13	3/4	4,145.40	3/4	3,936.46	3/4	3,726.67	3/4	3,516.89	3/4	3,283.24	3/4	2,941.87
5		5		5		5	4,349.29	5	4,141.05	5	3,932.11	5	3,722.29	5	3,512.53	5	3,276.14	5	2,934.74
1/4		1/4		1/4		1/4	4,345.00	1/4	4,136.70	1/4	3,927.75	1/4	3,717.92	1/4	3,508.18	1/4	3,269.04	1/4	2,927.61
1/2		1/2		1/2		1/2	4,340.72	1/2	4,132.34	1/2	3,923.39	1/2	3,713.55	1/2	3,503.82	1/2	3,261.94	1/2	2,920.49
3/4		3/4		3/4		3/4	4,336.43	3/4	4,127.99	3/4	3,919.02	3/4	3,709.18	3/4	3,499.46	3/4	3,254.84	3/4	2,913.36
6		6		6		6	4,332.15	6	4,123.64	6	3,914.66	6	3,704.81	6	3,495.11	6	3,247.74	6	2,906.23
1/4		1/4		1/4		1/4	4,327.83	1/4	4,119.29	1/4	3,910.29	1/4	3,700.43	1/4	3,490.75	1/4	3,240.65	1/4	2,899.11
1/2		1/2		1/2		1/2	4,323.52	1/2	4,114.93	1/2	3,905.92	1/2	3,696.06	1/2	3,486.39	1/2	3,233.55	1/2	2,891.99
3/4		3/4		3/4		3/4	4,319.20	3/4	4,110.58	3/4	3,901.55	3/4	3,691.69	3/4	3,482.04	3/4	3,226.45	3/4	2,884.87
7		7		7		7	4,314.88	7	4,106.23	7	3,897.17	7	3,687.32	7	3,477.68	7	3,219.35	7	2,877.75
1/4		1/4		1/4		1/4	4,310.56	1/4	4,101.87	1/4	3,892.80	1/4	3,682.95	1/4	3,473.33	1/4	3,212.25	1/4	2,870.63
1/2		1/2		1/2		1/2	4,306.24	1/2	4,097.52	1/2	3,888.43	1/2	3,678.57	1/2	3,468.97	1/2	3,205.15	1/2	2,863.51
3/4		3/4		3/4		3/4	4,301.91	3/4	4,093.17	3/4	3,884.06	3/4	3,674.20	3/4	3,464.61	3/4	3,198.05	3/4	2,856.39
8		8		8		8	4,297.59	8	4,088.82	8	3,879.69	8	3,669.83	8	3,460.26	8	3,190.96	8	2,849.27
1/4		1/4		1/4		1/4	4,293.26	1/4	4,084.46	1/4	3,875.31	1/4	3,665.46	1/4	3,455.90	1/4	3,183.86	1/4	2,842.15
1/2		1/2		1/2		1/2	4,288.94	1/2	4,080.11	1/2	3,870.94	1/2	3,661.09	1/2	3,451.55	1/2	3,176.76	1/2	2,835.03
3/4		3/4		3/4		3/4	4,284.61	3/4	4,075.76	3/4	3,866.57	3/4	3,656.71	3/4	3,447.19	3/4	3,169.66	3/4	2,827.91
9		9		9		9	4,280.29	9	4,071.40	9	3,862.20	9	3,652.34	9	3,442.83	9	3,162.56	9	2,820.79
1/4		1/4		1/4		1/4	4,275.95	1/4	4,067.05	1/4	3,857.83	1/4	3,647.97	1/4	3,438.48	1/4	3,155.46	1/4	2,813.67
1/2		1/2		1/2		1/2	4,271.61	1/2	4,062.70	1/2	3,853.45	1/2	3,643.60	1/2	3,434.12	1/2	3,148.37	1/2	2,806.55
3/4		3/4		3/4		3/4	4,267.27	3/4	4,058.34	3/4	3,849.08	3/4	3,639.23	3/4	3,429.76	3/4	3,141.27	3/4	2,799.43
10		10		10		10	4,262.93	10	4,053.99	10	3,844.71	10	3,634.85	10	3,425.41	10	3,134.17	10	2,792.31
1/4		1/4		1/4		1/4	4,258.58	1/4	4,049.64	1/4	3,840.34	1/4	3,630.48	1/4	3,421.05	1/4	3,127.06	1/4	2,785.19
1/2		1/2		1/2		1/2	4,254.23	1/2	4,045.29	1/2	3,835.97	1/2	3,626.11	1/2	3,416.70	1/2	3,119.95	1/2	2,778.07
3/4		3/4		3/4		3/4	4,249.87	3/4	4,040.93	3/4	3,831.59	3/4	3,621.74	3/4	3,412.34	3/4	3,112.85	3/4	2,770.95
11		11		11	4,401.90	11	4,245.52	11	4,036.58	11	3,827.22	11	3,617.37	11	3,407.98	11	3,105.74	11	2,763.83
1/4		1/4		1/4	4,400.82	1/4	4,241.17	1/4	4,032.23	1/4	3,822.85	1/4	3,612.99	1/4	3,403.63	1/4	3,098.62	1/4	2,756.71
1/2		1/2		1/2	4,399.75	1/2	4,236.81	1/2	4,027.87	1/2	3,818.48	1/2	3,608.62	1/2	3,399.27	1/2	3,091.51	1/2	2,749.59
3/4		3/4		3/4	4,398.67	3/4	4,232.46	3/4	4,023.52	3/4	3,814.11	3/4	3,604.25	3/4	3,394.91	3/4	3,084.39	3/4	2,742.47

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 LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 412"

3 PORT ULLAGE TABLE 10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,735.35	0	2,393.58	0	2,051.79	0	1,709.99	0	1,368.19	0	1,030.38	0	698.74	0	356.86	0	23.55	0	
1/4	2,728.23	1/4	2,386.46	1/4	2,044.67	1/4	1,702.87	1/4	1,361.07	1/4	1,023.57	1/4	691.62	1/4	349.73	1/4	19.99	1/4	
1/2	2,721.11	1/2	2,379.34	1/2	2,037.54	1/2	1,695.75	1/2	1,353.95	1/2	1,016.76	1/2	684.50	1/2	342.59	1/2	16.42	1/2	
3/4	2,713.99	3/4	2,372.22	3/4	2,030.42	3/4	1,688.63	3/4	1,346.83	3/4	1,009.95	3/4	677.38	3/4	335.46	3/4	12.85	3/4	
1	2,706.87	1	2,365.10	1	2,023.30	1	1,681.50	1	1,339.71	1	1,003.14	1	670.25	1	328.32	1	9.29	1	
1/4	2,699.75	1/4	2,357.98	1/4	2,016.18	1/4	1,674.38	1/4	1,332.59	1/4	996.32	1/4	663.13	1/4	321.19	1/4	7.50	1/4	
1/2	2,692.63	1/2	2,350.86	1/2	2,009.06	1/2	1,667.26	1/2	1,325.46	1/2	989.51	1/2	656.01	1/2	314.06	1/2	5.72	1/2	
3/4	2,685.51	3/4	2,343.74	3/4	2,001.94	3/4	1,660.14	3/4	1,318.34	3/4	982.70	3/4	648.89	3/4	306.92	3/4	3.94	3/4	
2	2,678.39	2	2,336.62	2	1,994.82	2	1,653.02	2	1,311.22	2	975.89	2	641.77	2	299.79	2	2.15	2	
1/4	2,671.27	1/4	2,329.50	1/4	1,987.70	1/4	1,645.90	1/4	1,304.10	1/4	969.08	1/4	634.64	1/4	292.66	1/4		1/4	
1/2	2,664.16	1/2	2,322.38	1/2	1,980.58	1/2	1,638.78	1/2	1,296.98	1/2	962.27	1/2	627.52	1/2	285.52	1/2		1/2	
3/4	2,657.04	3/4	2,315.26	3/4	1,973.46	3/4	1,631.66	3/4	1,289.86	3/4	955.46	3/4	620.40	3/4	278.39	3/4		3/4	
3	2,649.92	3	2,308.14	3	1,966.34	3	1,624.54	3	1,282.74	3	948.64	3	613.28	3	271.25	3		3	
1/4	2,642.80	1/4	2,301.01	1/4	1,959.22	1/4	1,617.42	1/4	1,275.62	1/4	941.83	1/4	606.15	1/4	264.12	1/4		1/4	
1/2	2,635.68	1/2	2,293.89	1/2	1,952.10	1/2	1,610.30	1/2	1,268.50	1/2	935.02	1/2	599.03	1/2	256.99	1/2		1/2	
3/4	2,628.56	3/4	2,286.77	3/4	1,944.97	3/4	1,603.18	3/4	1,261.38	3/4	928.21	3/4	591.91	3/4	249.85	3/4		3/4	
4	2,621.44	4	2,279.65	4	1,937.85	4	1,596.06	4	1,254.26	4	921.40	4	584.79	4	242.72	4		4	
1/4	2,614.32	1/4	2,272.53	1/4	1,930.73	1/4	1,588.93	1/4	1,247.14	1/4	914.59	1/4	577.67	1/4	235.58	1/4		1/4	
1/2	2,607.20	1/2	2,265.41	1/2	1,923.61	1/2	1,581.81	1/2	1,240.02	1/2	907.78	1/2	570.54	1/2	228.45	1/2		1/2	
3/4	2,600.08	3/4	2,258.29	3/4	1,916.49	3/4	1,574.69	3/4	1,232.89	3/4	900.97	3/4	563.42	3/4	221.32	3/4		3/4	
5	2,592.96	5	2,251.17	5	1,909.37	5	1,567.57	5	1,225.77	5	894.16	5	556.30	5	214.18	5		5	
1/4	2,585.84	1/4	2,244.05	1/4	1,902.25	1/4	1,560.45	1/4	1,218.65	1/4	887.35	1/4	549.18	1/4	207.05	1/4		1/4	
1/2	2,578.72	1/2	2,236.93	1/2	1,895.13	1/2	1,553.33	1/2	1,211.53	1/2	880.53	1/2	542.06	1/2	199.92	1/2		1/2	
3/4	2,571.60	3/4	2,229.81	3/4	1,888.01	3/4	1,546.21	3/4	1,204.41	3/4	873.72	3/4	534.93	3/4	192.78	3/4		3/4	
6	2,564.48	6	2,222.69	6	1,880.89	6	1,539.09	6	1,197.29	6	866.91	6	527.81	6	185.65	6		6	
1/4	2,557.36	1/4	2,215.56	1/4	1,873.77	1/4	1,531.97	1/4	1,190.17	1/4	860.10	1/4	520.69	1/4	178.51	1/4		1/4	
1/2	2,550.24	1/2	2,208.44	1/2	1,866.65	1/2	1,524.85	1/2	1,183.05	1/2	853.28	1/2	513.57	1/2	171.38	1/2		1/2	
3/4	2,543.12	3/4	2,201.32	3/4	1,859.52	3/4	1,517.73	3/4	1,175.93	3/4	846.47	3/4	506.45	3/4	164.25	3/4		3/4	
7	2,536.00	7	2,194.20	7	1,852.40	7	1,510.61	7	1,168.81	7	839.65	7	499.32	7	157.11	7		7	
1/4	2,528.88	1/4	2,187.08	1/4	1,845.28	1/4	1,503.48	1/4	1,161.69	1/4	832.80	1/4	492.20	1/4	149.98	1/4		1/4	
1/2	2,521.76	1/2	2,179.96	1/2	1,838.16	1/2	1,496.36	1/2	1,154.57	1/2	825.94	1/2	485.08	1/2	142.85	1/2		1/2	
3/4	2,514.64	3/4	2,172.84	3/4	1,831.04	3/4	1,489.24	3/4	1,147.44	3/4	819.09	3/4	477.96	3/4	135.71	3/4		3/4	
8	2,507.52	8	2,165.72	8	1,823.92	8	1,482.12	8	1,140.32	8	812.23	8	470.83	8	128.58	8		8	
1/4	2,500.40	1/4	2,158.60	1/4	1,816.80	1/4	1,475.00	1/4	1,133.20	1/4	805.23	1/4	463.71	1/4	121.45	1/4		1/4	
1/2	2,493.28	1/2	2,151.48	1/2	1,809.68	1/2	1,467.88	1/2	1,126.08	1/2	798.22	1/2	456.59	1/2	114.33	1/2		1/2	
3/4	2,486.16	3/4	2,144.36	3/4	1,802.56	3/4	1,460.76	3/4	1,118.96	3/4	791.21	3/4	449.47	3/4	107.20	3/4		3/4	
9	2,479.03	9	2,137.24	9	1,795.44	9	1,453.64	9	1,112.30	9	784.21	9	442.35	9	100.07	9		9	
1/4	2,471.91	1/4	2,130.12	1/4	1,788.32	1/4	1,446.52	1/4	1,105.18	1/4	777.09	1/4	435.22	1/4	92.96	1/4		1/4	
1/2	2,464.79	1/2	2,122.99	1/2	1,781.20	1/2	1,439.40	1/2	1,098.06	1/2	769.96	1/2	428.10	1/2	85.85	1/2		1/2	
3/4	2,457.67	3/4	2,115.87	3/4	1,774.08	3/4	1,432.28	3/4	1,091.74	3/4	762.84	3/4	420.98	3/4	78.74	3/4		3/4	
10	2,450.55	10	2,108.75	10	1,766.95	10	1,425.16	10	1,084.62	10	755.72	10	413.86	10	71.63	10		10	
1/4	2,443.43	1/4	2,101.63	1/4	1,759.83	1/4	1,418.04	1/4	1,077.50	1/4	748.60	1/4	406.74	1/4	64.56	1/4		1/4	
1/2	2,436.31	1/2	2,094.51	1/2	1,752.71	1/2	1,410.91	1/2	1,070.38	1/2	741.47	1/2	399.61	1/2	57.45	1/2		1/2	
3/4	2,429.19	3/4	2,087.39	3/4	1,745.59	3/4	1,403.79	3/4	1,063.26	3/4	734.35	3/4	392.49	3/4	50.34	3/4		3/4	
11	2,422.07	11	2,080.27	11	1,738.47	11	1,396.67	11	1,056.14	11	727.23	11	385.37	11	43.23	11		11	
1/4	2,414.95	1/4	2,073.15	1/4	1,731.35	1/4	1,389.55	1/4	1,049.02	1/4	720.11	1/4	378.24	1/4	36.12	1/4		1/4	
1/2	2,407.83	1/2	2,066.03	1/2	1,724.23	1/2	1,382.43	1/2	1,041.90	1/2	712.99	1/2	371.11	1/2	29.01	1/2		1/2	
3/4	2,400.71	3/4	2,058.91	3/4	1,717.11	3/4	1,375.31	3/4	1,034.78	3/4	705.86	3/4	363.99	3/4	21.90	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 1/7/2021 CL
CALCULATED: 1/8/2021 CL
PRINTED: 1/8/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 1/2021



BARGE "MPX 412"

3 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,412.04	0	4,245.90	0	4,037.06	0	3,827.74	0	3,617.98	0	3,408.22	0	3,098.02
1/4		1/4		1/4		1/4	4,410.97	1/4	4,241.55	1/4	4,032.71	1/4	3,823.37	1/4	3,613.61	1/4	3,403.85	1/4	3,090.92
1/2		1/2		1/2		1/2	4,409.26	1/2	4,237.20	1/2	4,028.36	1/2	3,819.00	1/2	3,609.24	1/2	3,399.50	1/2	3,083.81
3/4		3/4		3/4		3/4	4,407.55	3/4	4,232.85	3/4	4,024.00	3/4	3,814.63	3/4	3,604.87	3/4	3,395.15	3/4	3,076.70
1		1		1		1	4,405.84	1	4,228.50	1	4,019.65	1	3,810.26	1	3,600.50	1	3,390.80	1	3,069.59
1/4		1/4		1/4		1/4	4,404.14	1/4	4,224.15	1/4	4,015.30	1/4	3,805.89	1/4	3,596.13	1/4	3,386.44	1/4	3,062.49
1/2		1/2		1/2		1/2	4,402.43	1/2	4,219.80	1/2	4,010.95	1/2	3,801.52	1/2	3,591.76	1/2	3,382.11	1/2	3,055.38
3/4		3/4		3/4		3/4	4,400.72	3/4	4,215.44	3/4	4,006.60	3/4	3,797.15	3/4	3,587.39	3/4	3,377.78	3/4	3,048.27
2		2		2		2	4,399.02	2	4,211.09	2	4,002.25	2	3,792.78	2	3,583.02	2	3,373.44	2	3,041.17
1/4		1/4		1/4		1/4	4,397.31	1/4	4,206.74	1/4	3,997.90	1/4	3,788.41	1/4	3,578.65	1/4	3,369.11	1/4	3,034.06
1/2		1/2		1/2		1/2	4,395.33	1/2	4,202.39	1/2	3,993.55	1/2	3,784.04	1/2	3,574.28	1/2	3,363.39	1/2	3,026.95
3/4		3/4		3/4		3/4	4,393.36	3/4	4,198.04	3/4	3,989.20	3/4	3,779.67	3/4	3,569.91	3/4	3,357.68	3/4	3,019.84
3		3		3		3	4,391.38	3	4,193.69	3	3,984.85	3	3,775.30	3	3,565.54	3	3,353.97	3	3,012.74
1/4		1/4		1/4		1/4	4,389.40	1/4	4,189.34	1/4	3,980.50	1/4	3,770.93	1/4	3,561.17	1/4	3,346.26	1/4	3,005.63
1/2		1/2		1/2		1/2	4,386.56	1/2	4,184.99	1/2	3,976.15	1/2	3,766.56	1/2	3,556.80	1/2	3,339.17	1/2	2,998.52
3/4		3/4		3/4		3/4	4,383.73	3/4	4,180.64	3/4	3,971.79	3/4	3,762.19	3/4	3,552.43	3/4	3,332.08	3/4	2,991.41
4		4		4		4	4,380.89	4	4,176.29	4	3,967.44	4	3,757.82	4	3,548.06	4	3,324.99	4	2,984.31
1/4		1/4		1/4		1/4	4,378.05	1/4	4,171.94	1/4	3,963.09	1/4	3,753.45	1/4	3,543.69	1/4	3,317.90	1/4	2,977.20
1/2		1/2		1/2		1/2	4,374.20	1/2	4,167.58	1/2	3,958.74	1/2	3,749.08	1/2	3,539.32	1/2	3,310.81	1/2	2,970.09
3/4		3/4		3/4		3/4	4,370.36	3/4	4,163.23	3/4	3,954.39	3/4	3,744.71	3/4	3,534.95	3/4	3,303.72	3/4	2,962.98
5		5		5		5	4,366.52	5	4,158.88	5	3,950.04	5	3,740.34	5	3,530.58	5	3,296.63	5	2,955.88
1/4		1/4		1/4		1/4	4,362.67	1/4	4,154.53	1/4	3,945.69	1/4	3,735.97	1/4	3,526.21	1/4	3,289.54	1/4	2,948.77
1/2		1/2		1/2		1/2	4,358.39	1/2	4,150.18	1/2	3,941.33	1/2	3,731.60	1/2	3,521.84	1/2	3,282.45	1/2	2,941.66
3/4		3/4		3/4		3/4	4,354.11	3/4	4,145.83	3/4	3,936.97	3/4	3,727.23	3/4	3,517.47	3/4	3,275.36	3/4	2,934.56
6		6		6		6	4,349.83	6	4,141.48	6	3,932.61	6	3,722.86	6	3,513.10	6	3,268.27	6	2,927.45
1/4		1/4		1/4		1/4	4,345.54	1/4	4,137.13	1/4	3,928.25	1/4	3,718.49	1/4	3,508.73	1/4	3,261.18	1/4	2,920.34
1/2		1/2		1/2		1/2	4,341.23	1/2	4,132.78	1/2	3,923.88	1/2	3,714.12	1/2	3,504.36	1/2	3,254.09	1/2	2,913.23
3/4		3/4		3/4		3/4	4,336.92	3/4	4,128.43	3/4	3,919.51	3/4	3,709.75	3/4	3,499.99	3/4	3,247.00	3/4	2,906.13
7		7		7		7	4,332.60	7	4,124.08	7	3,915.14	7	3,705.38	7	3,495.62	7	3,239.91	7	2,899.02
1/4		1/4		1/4		1/4	4,328.29	1/4	4,119.72	1/4	3,910.77	1/4	3,701.01	1/4	3,491.25	1/4	3,232.82	1/4	2,891.91
1/2		1/2		1/2		1/2	4,323.97	1/2	4,115.37	1/2	3,906.40	1/2	3,696.64	1/2	3,486.88	1/2	3,225.73	1/2	2,884.80
3/4		3/4		3/4		3/4	4,319.64	3/4	4,111.02	3/4	3,902.03	3/4	3,692.27	3/4	3,482.51	3/4	3,218.64	3/4	2,877.70
8		8		8		8	4,315.32	8	4,106.67	8	3,897.66	8	3,687.90	8	3,478.14	8	3,211.55	8	2,870.59
1/4		1/4		1/4		1/4	4,311.00	1/4	4,102.32	1/4	3,893.29	1/4	3,683.53	1/4	3,473.77	1/4	3,204.46	1/4	2,863.48
1/2		1/2		1/2		1/2	4,306.68	1/2	4,097.97	1/2	3,888.92	1/2	3,679.16	1/2	3,469.40	1/2	3,197.37	1/2	2,856.38
3/4		3/4		3/4		3/4	4,302.35	3/4	4,093.62	3/4	3,884.55	3/4	3,674.79	3/4	3,465.03	3/4	3,190.28	3/4	2,849.27
9		9		9		9	4,298.03	9	4,089.27	9	3,880.18	9	3,670.42	9	3,460.66	9	3,183.19	9	2,842.16
1/4		1/4		1/4		1/4	4,293.71	1/4	4,084.92	1/4	3,875.81	1/4	3,666.05	1/4	3,456.29	1/4	3,176.10	1/4	2,835.05
1/2		1/2		1/2		1/2	4,289.37	1/2	4,080.57	1/2	3,871.44	1/2	3,661.68	1/2	3,451.92	1/2	3,169.01	1/2	2,827.95
3/4		3/4		3/4		3/4	4,285.03	3/4	4,076.22	3/4	3,867.07	3/4	3,657.31	3/4	3,447.55	3/4	3,161.92	3/4	2,820.84
10		10		10		10	4,280.69	10	4,071.86	10	3,862.70	10	3,652.94	10	3,443.18	10	3,154.83	10	2,813.73
1/4		1/4		1/4		1/4	4,276.36	1/4	4,067.51	1/4	3,858.33	1/4	3,648.57	1/4	3,438.81	1/4	3,147.74	1/4	2,806.62
1/2		1/2		1/2		1/2	4,272.01	1/2	4,063.16	1/2	3,853.96	1/2	3,644.20	1/2	3,434.44	1/2	3,140.64	1/2	2,799.52
3/4		3/4		3/4		3/4	4,267.66	3/4	4,058.81	3/4	3,849.59	3/4	3,639.83	3/4	3,430.07	3/4	3,133.54	3/4	2,792.41
11		11		11		11	4,263.30	11	4,054.46	11	3,845.22	11	3,635.46	11	3,425.70	11	3,126.44	11	2,785.30
1/4		1/4		1/4	4,415.27	1/4	4,258.95	1/4	4,050.11	1/4	3,840.85	1/4	3,631.09	1/4	3,421.33	1/4	3,119.35	1/4	2,778.20
1/2		1/2		1/2	4,414.19	1/2	4,254.60	1/2	4,045.76	1/2	3,836.48	1/2	3,626.72	1/2	3,416.96	1/2	3,112.24	1/2	2,771.09
3/4		3/4		3/4	4,413.12	3/4	4,250.25	3/4	4,041.41	3/4	3,832.11	3/4	3,622.35	3/4	3,412.59	3/4	3,105.13	3/4	2,763.98

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 LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 412"

3 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,756.87	0	2,415.17	0	2,073.15	0	1,731.13	0	1,389.11	0	1,047.18	0	705.57	0	363.56	0	28.87	0	
1/4	2,749.77	1/4	2,408.04	1/4	2,066.02	1/4	1,724.01	1/4	1,381.99	1/4	1,040.07	1/4	698.44	1/4	356.43	1/4	23.53	1/4	
1/2	2,742.66	1/2	2,400.92	1/2	2,058.90	1/2	1,716.88	1/2	1,374.86	1/2	1,032.96	1/2	691.32	1/2	349.31	1/2	19.96	1/2	
3/4	2,735.55	3/4	2,393.79	3/4	2,051.77	3/4	1,709.75	3/4	1,367.74	3/4	1,025.85	3/4	684.19	3/4	342.18	3/4	16.40	3/4	
1	2,728.44	1	2,386.67	1	2,044.65	1	1,702.63	1	1,360.61	1	1,018.74	1	677.07	1	335.06	1	12.84	1	
1/4	2,721.34	1/4	2,379.54	1/4	2,037.52	1/4	1,695.50	1/4	1,353.48	1/4	1,011.63	1/4	669.94	1/4	327.93	1/4	9.28	1/4	
1/2	2,714.23	1/2	2,372.42	1/2	2,030.40	1/2	1,688.38	1/2	1,346.36	1/2	1,004.52	1/2	662.82	1/2	320.81	1/2	7.49	1/2	
3/4	2,707.12	3/4	2,365.29	3/4	2,023.27	3/4	1,681.25	3/4	1,339.23	3/4	997.40	3/4	655.69	3/4	313.68	3/4	5.71	3/4	
2	2,700.01	2	2,358.17	2	2,016.15	2	1,674.13	2	1,332.11	2	990.29	2	648.57	2	306.56	2	3.93	2	
1/4	2,692.91	1/4	2,351.04	1/4	2,009.02	1/4	1,667.00	1/4	1,324.98	1/4	983.18	1/4	641.44	1/4	299.43	1/4	2.15	1/4	
1/2	2,685.80	1/2	2,343.91	1/2	2,001.90	1/2	1,659.88	1/2	1,317.86	1/2	976.07	1/2	634.32	1/2	292.31	1/2		1/2	
3/4	2,678.69	3/4	2,336.79	3/4	1,994.77	3/4	1,652.75	3/4	1,310.73	3/4	968.96	3/4	627.19	3/4	285.18	3/4		3/4	
3	2,671.59	3	2,329.66	3	1,987.64	3	1,645.63	3	1,303.61	3	961.85	3	620.06	3	278.06	3		3	
1/4	2,664.48	1/4	2,322.54	1/4	1,980.52	1/4	1,638.50	1/4	1,296.48	1/4	954.74	1/4	612.94	1/4	270.93	1/4		1/4	
1/2	2,657.37	1/2	2,315.41	1/2	1,973.39	1/2	1,631.38	1/2	1,289.36	1/2	947.62	1/2	605.81	1/2	263.80	1/2		1/2	
3/4	2,650.26	3/4	2,308.29	3/4	1,966.27	3/4	1,624.25	3/4	1,282.23	3/4	940.51	3/4	598.69	3/4	256.68	3/4		3/4	
4	2,643.16	4	2,301.16	4	1,959.14	4	1,617.12	4	1,275.11	4	933.40	4	591.56	4	249.55	4		4	
1/4	2,636.05	1/4	2,294.04	1/4	1,952.02	1/4	1,610.00	1/4	1,267.98	1/4	926.29	1/4	584.44	1/4	242.43	1/4		1/4	
1/2	2,628.93	1/2	2,286.91	1/2	1,944.89	1/2	1,602.87	1/2	1,260.85	1/2	919.18	1/2	577.31	1/2	235.30	1/2		1/2	
3/4	2,621.82	3/4	2,279.79	3/4	1,937.77	3/4	1,595.75	3/4	1,253.73	3/4	912.07	3/4	570.19	3/4	228.18	3/4		3/4	
5	2,614.70	5	2,272.66	5	1,930.64	5	1,588.62	5	1,246.60	5	904.96	5	563.06	5	221.05	5		5	
1/4	2,607.58	1/4	2,265.54	1/4	1,923.52	1/4	1,581.50	1/4	1,239.48	1/4	897.85	1/4	555.94	1/4	213.93	1/4		1/4	
1/2	2,600.46	1/2	2,258.41	1/2	1,916.39	1/2	1,574.37	1/2	1,232.35	1/2	890.73	1/2	548.81	1/2	206.80	1/2		1/2	
3/4	2,593.33	3/4	2,251.28	3/4	1,909.27	3/4	1,567.25	3/4	1,225.23	3/4	883.62	3/4	541.69	3/4	199.68	3/4		3/4	
6	2,586.20	6	2,244.16	6	1,902.14	6	1,560.12	6	1,218.10	6	876.51	6	534.56	6	192.55	6		6	
1/4	2,579.08	1/4	2,237.03	1/4	1,895.01	1/4	1,553.00	1/4	1,210.98	1/4	869.40	1/4	527.44	1/4	185.43	1/4		1/4	
1/2	2,571.95	1/2	2,229.91	1/2	1,887.89	1/2	1,545.87	1/2	1,203.85	1/2	862.29	1/2	520.31	1/2	178.30	1/2		1/2	
3/4	2,564.82	3/4	2,222.78	3/4	1,880.76	3/4	1,538.74	3/4	1,196.73	3/4	855.17	3/4	513.19	3/4	171.18	3/4		3/4	
7	2,557.70	7	2,215.66	7	1,873.64	7	1,531.62	7	1,189.60	7	848.05	7	506.06	7	164.05	7		7	
1/4	2,550.57	1/4	2,208.53	1/4	1,866.51	1/4	1,524.49	1/4	1,182.47	1/4	840.94	1/4	498.94	1/4	156.93	1/4		1/4	
1/2	2,543.45	1/2	2,201.41	1/2	1,859.39	1/2	1,517.37	1/2	1,175.35	1/2	833.82	1/2	491.81	1/2	149.80	1/2		1/2	
3/4	2,536.32	3/4	2,194.28	3/4	1,852.26	3/4	1,510.24	3/4	1,168.22	3/4	826.69	3/4	484.69	3/4	142.68	3/4		3/4	
8	2,529.19	8	2,187.16	8	1,845.14	8	1,503.12	8	1,161.10	8	819.57	8	477.56	8	135.55	8		8	
1/4	2,522.07	1/4	2,180.03	1/4	1,838.01	1/4	1,495.99	1/4	1,153.97	1/4	812.45	1/4	470.44	1/4	128.43	1/4		1/4	
1/2	2,514.94	1/2	2,172.91	1/2	1,830.89	1/2	1,488.87	1/2	1,146.85	1/2	805.32	1/2	463.31	1/2	121.31	1/2		1/2	
3/4	2,507.81	3/4	2,165.78	3/4	1,823.76	3/4	1,481.74	3/4	1,139.72	3/4	798.19	3/4	456.19	3/4	114.19	3/4		3/4	
9	2,500.68	9	2,158.65	9	1,816.64	9	1,474.62	9	1,132.60	9	791.07	9	449.06	9	107.07	9		9	
1/4	2,493.55	1/4	2,151.53	1/4	1,809.51	1/4	1,467.49	1/4	1,125.47	1/4	783.94	1/4	441.93	1/4	99.95	1/4		1/4	
1/2	2,486.42	1/2	2,144.40	1/2	1,802.38	1/2	1,460.37	1/2	1,118.35	1/2	776.82	1/2	434.81	1/2	92.85	1/2		1/2	
3/4	2,479.30	3/4	2,137.28	3/4	1,795.26	3/4	1,453.24	3/4	1,111.23	3/4	769.69	3/4	427.68	3/4	85.75	3/4		3/4	
10	2,472.17	10	2,130.15	10	1,788.13	10	1,446.11	10	1,104.10	10	762.57	10	420.56	10	78.65	10		10	
1/4	2,465.05	1/4	2,123.03	1/4	1,781.01	1/4	1,438.99	1/4	1,096.98	1/4	755.44	1/4	413.43	1/4	71.54	1/4		1/4	
1/2	2,457.92	1/2	2,115.90	1/2	1,773.88	1/2	1,431.86	1/2	1,089.87	1/2	748.32	1/2	406.31	1/2	64.88	1/2		1/2	
3/4	2,450.80	3/4	2,108.78	3/4	1,766.76	3/4	1,424.74	3/4	1,082.75	3/4	741.19	3/4	399.18	3/4	58.22	3/4		3/4	
11	2,443.67	11	2,101.65	11	1,759.63	11	1,417.61	11	1,075.63	11	734.07	11	392.06	11	51.56	11		11	
1/4	2,436.55	1/4	2,094.53	1/4	1,752.51	1/4	1,410.49	1/4	1,068.52	1/4	726.94	1/4	384.93	1/4	44.90	1/4		1/4	
1/2	2,429.42	1/2	2,087.40	1/2	1,745.38	1/2	1,403.36	1/2	1,061.41	1/2	719.82	1/2	377.81	1/2	39.56	1/2		1/2	
3/4	2,422.29	3/4	2,080.28	3/4	1,738.26	3/4	1,396.24	3/4	1,054.30	3/4	712.69	3/4	370.68	3/4	34.21	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 1/7/2021 CL
CALCULATED: 1/8/2021 CL
PRINTED: 1/8/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 1/2021



BARGE "MPX 412"

ULLAGE (10" HATCH)

	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	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
1 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
3 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-0/8	- 08-0/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
3 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-0/8	- 08-0/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS 08-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-08 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

January 7, 2021

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

<http://www.pmacorp.net>



BARGE "MPX 412"

1 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,028.67	0	4,743.91	0	4,403.00	0	4,061.25	0	3,718.77	0	3,376.36	0	3,033.98
1/4		1/4		1/4		1/4	5,026.67	1/4	4,736.81	1/4	4,395.90	1/4	4,054.11	1/4	3,711.63	1/4	3,369.23	1/4	3,026.85
1/2		1/2		1/2		1/2	5,024.66	1/2	4,729.70	1/2	4,388.79	1/2	4,046.98	1/2	3,704.50	1/2	3,362.10	1/2	3,019.71
3/4		3/4		3/4		3/4	5,022.66	3/4	4,722.60	3/4	4,381.69	3/4	4,039.84	3/4	3,697.36	3/4	3,354.96	3/4	3,012.58
1		1		1		1	5,020.66	1	4,715.50	1	4,374.59	1	4,032.71	1	3,690.23	1	3,347.83	1	3,005.45
1/4		1/4		1/4		1/4	5,017.47	1/4	4,708.40	1/4	4,367.49	1/4	4,025.57	1/4	3,683.09	1/4	3,340.70	1/4	2,998.31
1/2		1/2		1/2		1/2	5,014.27	1/2	4,701.30	1/2	4,360.39	1/2	4,018.44	1/2	3,675.96	1/2	3,333.56	1/2	2,991.18
3/4		3/4		3/4		3/4	5,011.08	3/4	4,694.19	3/4	4,353.28	3/4	4,011.30	3/4	3,668.82	3/4	3,326.43	3/4	2,984.04
2		2		2		2	5,007.89	2	4,687.09	2	4,346.18	2	4,004.17	2	3,661.69	2	3,319.30	2	2,976.91
1/4		1/4		1/4		1/4	5,003.51	1/4	4,679.99	1/4	4,339.08	1/4	3,997.03	1/4	3,654.55	1/4	3,312.17	1/4	2,969.78
1/2		1/2		1/2		1/2	4,999.13	1/2	4,672.89	1/2	4,331.98	1/2	3,989.90	1/2	3,647.42	1/2	3,305.03	1/2	2,962.64
3/4		3/4		3/4		3/4	4,994.74	3/4	4,665.78	3/4	4,324.87	3/4	3,982.76	3/4	3,640.28	3/4	3,297.90	3/4	2,955.51
3		3		3		3	4,990.36	3	4,658.68	3	4,317.77	3	3,975.63	3	3,633.15	3	3,290.77	3	2,948.37
1/4		1/4		1/4		1/4	4,984.79	1/4	4,651.58	1/4	4,310.67	1/4	3,968.49	1/4	3,626.01	1/4	3,283.63	1/4	2,941.24
1/2		1/2		1/2		1/2	4,979.22	1/2	4,644.48	1/2	4,303.57	1/2	3,961.36	1/2	3,618.88	1/2	3,276.50	1/2	2,934.10
3/4		3/4		3/4		3/4	4,973.65	3/4	4,637.37	3/4	4,296.46	3/4	3,954.22	3/4	3,611.75	3/4	3,269.37	3/4	2,926.97
4		4		4		4	4,968.08	4	4,630.27	4	4,289.36	4	3,947.09	4	3,604.62	4	3,262.23	4	2,919.83
1/4		1/4		1/4		1/4	4,961.50	1/4	4,623.17	1/4	4,282.26	1/4	3,939.95	1/4	3,597.49	1/4	3,255.10	1/4	2,912.70
1/2		1/2		1/2		1/2	4,954.92	1/2	4,616.07	1/2	4,275.16	1/2	3,932.82	1/2	3,590.35	1/2	3,247.97	1/2	2,905.56
3/4		3/4		3/4		3/4	4,948.35	3/4	4,608.97	3/4	4,268.06	3/4	3,925.68	3/4	3,583.22	3/4	3,240.84	3/4	2,898.43
5		5		5		5	4,941.77	5	4,601.86	5	4,260.95	5	3,918.55	5	3,576.09	5	3,233.70	5	2,891.29
1/4		1/4		1/4		1/4	4,934.75	1/4	4,594.76	1/4	4,253.84	1/4	3,911.41	1/4	3,568.95	1/4	3,226.57	1/4	2,884.16
1/2		1/2		1/2		1/2	4,927.74	1/2	4,587.66	1/2	4,246.72	1/2	3,904.28	1/2	3,561.82	1/2	3,219.44	1/2	2,877.02
3/4		3/4		3/4		3/4	4,920.72	3/4	4,580.56	3/4	4,239.60	3/4	3,897.14	3/4	3,554.69	3/4	3,212.30	3/4	2,869.89
6		6		6		6	4,913.71	6	4,573.45	6	4,232.49	6	3,890.01	6	3,547.55	6	3,205.17	6	2,862.75
1/4		1/4		1/4		1/4	4,906.66	1/4	4,566.35	1/4	4,225.35	1/4	3,882.87	1/4	3,540.42	1/4	3,198.04	1/4	2,855.62
1/2		1/2		1/2		1/2	4,899.61	1/2	4,559.25	1/2	4,218.22	1/2	3,875.74	1/2	3,533.29	1/2	3,190.90	1/2	2,848.48
3/4		3/4		3/4		3/4	4,892.56	3/4	4,552.15	3/4	4,211.08	3/4	3,868.60	3/4	3,526.16	3/4	3,183.77	3/4	2,841.35
7		7		7		7	4,885.51	7	4,545.04	7	4,203.95	7	3,861.47	7	3,519.02	7	3,176.64	7	2,834.21
1/4		1/4		1/4		1/4	4,878.45	1/4	4,537.94	1/4	4,196.81	1/4	3,854.33	1/4	3,511.89	1/4	3,169.51	1/4	2,827.08
1/2		1/2		1/2		1/2	4,871.39	1/2	4,530.84	1/2	4,189.68	1/2	3,847.20	1/2	3,504.76	1/2	3,162.37	1/2	2,819.94
3/4		3/4		3/4		3/4	4,864.33	3/4	4,523.74	3/4	4,182.54	3/4	3,840.06	3/4	3,497.62	3/4	3,155.24	3/4	2,812.81
8		8		8		8	4,857.28	8	4,516.64	8	4,175.41	8	3,832.93	8	3,490.49	8	3,148.11	8	2,805.67
1/4		1/4		1/4		1/4	4,850.22	1/4	4,509.53	1/4	4,168.27	1/4	3,825.79	1/4	3,483.36	1/4	3,140.97	1/4	2,798.54
1/2		1/2		1/2		1/2	4,843.16	1/2	4,502.43	1/2	4,161.14	1/2	3,818.66	1/2	3,476.22	1/2	3,133.84	1/2	2,791.40
3/4		3/4		3/4		3/4	4,836.10	3/4	4,495.33	3/4	4,154.00	3/4	3,811.52	3/4	3,469.09	3/4	3,126.71	3/4	2,784.27
9		9		9		9	4,829.05	9	4,488.23	9	4,146.87	9	3,804.39	9	3,461.96	9	3,119.57	9	2,777.13
1/4		1/4		1/4		1/4	4,821.97	1/4	4,481.12	1/4	4,139.73	1/4	3,797.25	1/4	3,454.83	1/4	3,112.44	1/4	2,770.00
1/2		1/2		1/2		1/2	4,814.89	1/2	4,474.02	1/2	4,132.60	1/2	3,790.12	1/2	3,447.69	1/2	3,105.31	1/2	2,762.86
3/4		3/4		3/4		3/4	4,807.81	3/4	4,466.92	3/4	4,125.46	3/4	3,782.98	3/4	3,440.56	3/4	3,098.18	3/4	2,755.73
10		10		10		10	4,800.73	10	4,459.82	10	4,118.33	10	3,775.85	10	3,433.43	10	3,091.04	10	2,748.59
1/4		1/4		1/4		1/4	4,793.63	1/4	4,452.71	1/4	4,111.19	1/4	3,768.71	1/4	3,426.29	1/4	3,083.91	1/4	2,741.46
1/2		1/2		1/2		1/2	4,786.52	1/2	4,445.61	1/2	4,104.06	1/2	3,761.58	1/2	3,419.16	1/2	3,076.78	1/2	2,734.32
3/4		3/4		3/4		3/4	4,779.42	3/4	4,438.51	3/4	4,096.92	3/4	3,754.44	3/4	3,412.03	3/4	3,069.64	3/4	2,727.19
11		11		11	5,032.38	11	4,772.32	11	4,431.41	11	4,089.79	11	3,747.31	11	3,404.89	11	3,062.51	11	2,720.05
1/4		1/4		1/4	5,031.45	1/4	4,765.22	1/4	4,424.31	1/4	4,082.65	1/4	3,740.17	1/4	3,397.76	1/4	3,055.38	1/4	2,712.92
1/2		1/2		1/2	5,030.53	1/2	4,758.11	1/2	4,417.20	1/2	4,075.52	1/2	3,733.04	1/2	3,390.63	1/2	3,048.24	1/2	2,705.78
3/4		3/4		3/4	5,029.60	3/4	4,751.01	3/4	4,410.10	3/4	4,068.38	3/4	3,725.90	3/4	3,383.50	3/4	3,041.11	3/4	2,698.65

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "MPX 412"

1 PORT
ULLAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,691.51	0	2,349.04	0	2,006.54	0	1,664.04	0	1,321.54	0	979.75	0	639.17	0	303.81	0	20.47	0	
1/4	2,684.38	1/4	2,341.90	1/4	1,999.40	1/4	1,656.90	1/4	1,314.40	1/4	972.67	1/4	632.04	1/4	297.26	1/4	17.67	1/4	
1/2	2,677.24	1/2	2,334.76	1/2	1,992.27	1/2	1,649.77	1/2	1,307.27	1/2	965.60	1/2	624.90	1/2	290.71	1/2	14.87	1/2	
3/4	2,670.11	3/4	2,327.63	3/4	1,985.13	3/4	1,642.63	3/4	1,300.13	3/4	958.52	3/4	617.77	3/4	284.16	3/4	12.08	3/4	
1	2,662.97	1	2,320.49	1	1,977.99	1	1,635.50	1	1,293.00	1	951.45	1	610.63	1	277.61	1	9.28	1	
1/4	2,655.84	1/4	2,313.36	1/4	1,970.86	1/4	1,628.36	1/4	1,285.86	1/4	944.37	1/4	603.50	1/4	271.14	1/4	7.50	1/4	
1/2	2,648.71	1/2	2,306.22	1/2	1,963.72	1/2	1,621.22	1/2	1,278.73	1/2	937.30	1/2	596.36	1/2	264.67	1/2	5.71	1/2	
3/4	2,641.57	3/4	2,299.09	3/4	1,956.59	3/4	1,614.09	3/4	1,271.59	3/4	930.22	3/4	589.23	3/4	258.20	3/4	3.93	3/4	
2	2,634.44	2	2,291.95	2	1,949.45	2	1,606.95	2	1,264.45	2	923.15	2	582.09	2	251.73	2	2.15	2	
1/4	2,627.30	1/4	2,284.82	1/4	1,942.32	1/4	1,599.82	1/4	1,257.32	1/4	916.07	1/4	574.96	1/4	245.35	1/4		1/4	
1/2	2,620.17	1/2	2,277.68	1/2	1,935.18	1/2	1,592.68	1/2	1,250.18	1/2	909.00	1/2	567.82	1/2	238.97	1/2		1/2	
3/4	2,613.04	3/4	2,270.55	3/4	1,928.05	3/4	1,585.55	3/4	1,243.05	3/4	901.92	3/4	560.69	3/4	232.58	3/4		3/4	
3	2,605.91	3	2,263.41	3	1,920.91	3	1,578.41	3	1,235.91	3	894.85	3	553.55	3	226.20	3		3	
1/4	2,598.77	1/4	2,256.28	1/4	1,913.78	1/4	1,571.28	1/4	1,228.78	1/4	887.77	1/4	546.42	1/4	219.89	1/4		1/4	
1/2	2,591.64	1/2	2,249.14	1/2	1,906.64	1/2	1,564.14	1/2	1,221.64	1/2	880.70	1/2	539.28	1/2	213.59	1/2		1/2	
3/4	2,584.50	3/4	2,242.00	3/4	1,899.51	3/4	1,557.01	3/4	1,214.51	3/4	873.62	3/4	532.15	3/4	207.29	3/4		3/4	
4	2,577.37	4	2,234.87	4	1,892.37	4	1,549.87	4	1,207.37	4	866.55	4	525.01	4	200.99	4		4	
1/4	2,570.23	1/4	2,227.73	1/4	1,885.23	1/4	1,542.74	1/4	1,200.24	1/4	859.47	1/4	517.88	1/4	194.77	1/4		1/4	
1/2	2,563.10	1/2	2,220.60	1/2	1,878.10	1/2	1,535.60	1/2	1,193.10	1/2	852.40	1/2	510.74	1/2	188.55	1/2		1/2	
3/4	2,555.96	3/4	2,213.46	3/4	1,870.96	3/4	1,528.46	3/4	1,185.97	3/4	845.32	3/4	503.61	3/4	182.34	3/4		3/4	
5	2,548.83	5	2,206.33	5	1,863.83	5	1,521.33	5	1,178.83	5	838.25	5	496.47	5	176.12	5		5	
1/4	2,541.69	1/4	2,199.19	1/4	1,856.69	1/4	1,514.19	1/4	1,171.69	1/4	831.17	1/4	489.36	1/4	169.98	1/4		1/4	
1/2	2,534.56	1/2	2,192.06	1/2	1,849.56	1/2	1,507.06	1/2	1,164.56	1/2	824.10	1/2	482.25	1/2	163.85	1/2		1/2	
3/4	2,527.42	3/4	2,184.92	3/4	1,842.42	3/4	1,499.92	3/4	1,157.42	3/4	817.02	3/4	475.14	3/4	157.71	3/4		3/4	
6	2,520.29	6	2,177.79	6	1,835.29	6	1,492.79	6	1,150.29	6	809.95	6	468.02	6	151.58	6		6	
1/4	2,513.15	1/4	2,170.65	1/4	1,828.15	1/4	1,485.65	1/4	1,143.15	1/4	802.87	1/4	460.98	1/4	145.53	1/4		1/4	
1/2	2,506.01	1/2	2,163.52	1/2	1,821.02	1/2	1,478.52	1/2	1,136.02	1/2	795.79	1/2	453.93	1/2	139.48	1/2		1/2	
3/4	2,498.88	3/4	2,156.38	3/4	1,813.88	3/4	1,471.38	3/4	1,128.88	3/4	788.71	3/4	446.88	3/4	133.42	3/4		3/4	
7	2,491.74	7	2,149.24	7	1,806.75	7	1,464.25	7	1,121.75	7	781.63	7	439.84	7	127.37	7		7	
1/4	2,484.61	1/4	2,142.11	1/4	1,799.61	1/4	1,457.11	1/4	1,114.61	1/4	774.54	1/4	432.87	1/4	121.41	1/4		1/4	
1/2	2,477.47	1/2	2,134.97	1/2	1,792.47	1/2	1,449.98	1/2	1,107.48	1/2	767.45	1/2	425.91	1/2	115.44	1/2		1/2	
3/4	2,470.34	3/4	2,127.84	3/4	1,785.34	3/4	1,442.84	3/4	1,100.34	3/4	760.36	3/4	418.94	3/4	109.47	3/4		3/4	
8	2,463.20	8	2,120.70	8	1,778.20	8	1,435.70	8	1,093.21	8	753.27	8	411.97	8	103.50	8		8	
1/4	2,456.07	1/4	2,113.57	1/4	1,771.07	1/4	1,428.57	1/4	1,086.09	1/4	746.15	1/4	405.09	1/4	97.63	1/4		1/4	
1/2	2,448.93	1/2	2,106.43	1/2	1,763.93	1/2	1,421.43	1/2	1,078.97	1/2	739.03	1/2	398.20	1/2	91.75	1/2		1/2	
3/4	2,441.80	3/4	2,099.30	3/4	1,756.80	3/4	1,414.30	3/4	1,071.85	3/4	731.91	3/4	391.32	3/4	85.87	3/4		3/4	
9	2,434.66	9	2,092.16	9	1,749.66	9	1,407.16	9	1,064.73	9	724.80	9	384.43	9	79.99	9		9	
1/4	2,427.53	1/4	2,085.03	1/4	1,742.53	1/4	1,400.03	1/4	1,057.64	1/4	717.66	1/4	377.63	1/4	74.21	1/4		1/4	
1/2	2,420.39	1/2	2,077.89	1/2	1,735.39	1/2	1,392.89	1/2	1,050.55	1/2	710.53	1/2	370.83	1/2	68.43	1/2		1/2	
3/4	2,413.25	3/4	2,070.76	3/4	1,728.26	3/4	1,385.76	3/4	1,043.46	3/4	703.39	3/4	364.03	3/4	62.66	3/4		3/4	
10	2,406.12	10	2,063.62	10	1,721.12	10	1,378.62	10	1,036.36	10	696.26	10	357.23	10	56.88	10		10	
1/4	2,398.98	1/4	2,056.48	1/4	1,713.99	1/4	1,371.49	1/4	1,029.28	1/4	689.12	1/4	350.51	1/4	51.63	1/4		1/4	
1/2	2,391.85	1/2	2,049.35	1/2	1,706.85	1/2	1,364.35	1/2	1,022.21	1/2	681.99	1/2	343.79	1/2	46.37	1/2		1/2	
3/4	2,384.71	3/4	2,042.21	3/4	1,699.71	3/4	1,357.22	3/4	1,015.13	3/4	674.85	3/4	337.07	3/4	41.12	3/4		3/4	
11	2,377.58	11	2,035.08	11	1,692.58	11	1,350.08	11	1,008.05	11	667.72	11	330.35	11	35.87	11		11	
1/4	2,370.44	1/4	2,027.94	1/4	1,685.44	1/4	1,342.94	1/4	1,000.97	1/4	660.58	1/4	323.72	1/4	32.02	1/4		1/4	
1/2	2,363.31	1/2	2,020.81	1/2	1,678.31	1/2	1,335.81	1/2	993.90	1/2	653.45	1/2	317.08	1/2	28.17	1/2		1/2	
3/4	2,356.17	3/4	2,013.67	3/4	1,671.17	3/4	1,328.67	3/4	986.82	3/4	646.31	3/4	310.45	3/4	24.32	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 1/7/2021 CL
CALCULATED: 1/8/2021 CL
PRINTED: 1/8/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 1/2021



BARGE "MPX 412"

1 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	5,041.65	0	4,756.29	0	4,414.66	0	4,072.18	0	3,728.98	0	3,385.85	0	3,042.74		
1/4		1/4		1/4		1/4	5,039.65	1/4	4,749.17	1/4	4,407.54	1/4	4,065.03	1/4	3,721.83	1/4	3,378.70	1/4	3,035.59		
1/2		1/2		1/2		1/2	5,037.64	1/2	4,742.06	1/2	4,400.43	1/2	4,057.88	1/2	3,714.68	1/2	3,371.55	1/2	3,028.44		
3/4		3/4		3/4		3/4	5,035.63	3/4	4,734.94	3/4	4,393.31	3/4	4,050.73	3/4	3,707.53	3/4	3,364.40	3/4	3,021.30		
1		1		1		1	5,033.62	1	4,727.82	1	4,386.19	1	4,043.58	1	3,700.38	1	3,357.26	1	3,014.15		
1/4		1/4		1/4		1/4	5,030.42	1/4	4,720.70	1/4	4,379.07	1/4	4,036.43	1/4	3,693.23	1/4	3,350.11	1/4	3,007.00		
1/2		1/2		1/2		1/2	5,027.22	1/2	4,713.59	1/2	4,371.96	1/2	4,029.28	1/2	3,686.08	1/2	3,342.96	1/2	2,999.85		
3/4		3/4		3/4		3/4	5,024.03	3/4	4,706.47	3/4	4,364.84	3/4	4,022.13	3/4	3,678.93	3/4	3,335.81	3/4	2,992.70		
2		2		2		2	5,020.83	2	4,699.35	2	4,357.72	2	4,014.98	2	3,671.78	2	3,328.66	2	2,985.55		
1/4		1/4		1/4		1/4	5,016.44	1/4	4,692.24	1/4	4,350.61	1/4	4,007.83	1/4	3,664.63	1/4	3,321.52	1/4	2,978.40		
1/2		1/2		1/2		1/2	5,012.04	1/2	4,685.12	1/2	4,343.49	1/2	4,000.68	1/2	3,657.48	1/2	3,314.37	1/2	2,971.25		
3/4		3/4		3/4		3/4	5,007.65	3/4	4,678.00	3/4	4,336.37	3/4	3,993.53	3/4	3,650.33	3/4	3,307.22	3/4	2,964.10		
3		3		3		3	5,003.26	3	4,670.88	3	4,329.25	3	3,986.38	3	3,643.18	3	3,300.07	3	2,956.95		
1/4		1/4		1/4		1/4	4,997.68	1/4	4,663.77	1/4	4,322.14	1/4	3,979.23	1/4	3,636.03	1/4	3,292.92	1/4	2,949.80		
1/2		1/2		1/2		1/2	4,992.10	1/2	4,656.65	1/2	4,315.02	1/2	3,972.08	1/2	3,628.88	1/2	3,285.78	1/2	2,942.65		
3/4		3/4		3/4		3/4	4,986.51	3/4	4,649.53	3/4	4,307.90	3/4	3,964.93	3/4	3,621.74	3/4	3,278.63	3/4	2,935.50		
4		4		4		4	4,980.93	4	4,642.41	4	4,300.78	4	3,957.78	4	3,614.59	4	3,271.48	4	2,928.35		
1/4		1/4		1/4		1/4	4,974.34	1/4	4,635.30	1/4	4,293.67	1/4	3,950.63	1/4	3,607.44	1/4	3,264.33	1/4	2,921.20		
1/2		1/2		1/2		1/2	4,967.75	1/2	4,628.18	1/2	4,286.55	1/2	3,943.48	1/2	3,600.29	1/2	3,257.18	1/2	2,914.05		
3/4		3/4		3/4		3/4	4,961.16	3/4	4,621.06	3/4	4,279.43	3/4	3,936.33	3/4	3,593.14	3/4	3,250.04	3/4	2,906.90		
5		5		5		5	4,954.57	5	4,613.95	5	4,272.31	5	3,929.18	5	3,586.00	5	3,242.89	5	2,899.75		
1/4		1/4		1/4		1/4	4,947.54	1/4	4,606.83	1/4	4,265.18	1/4	3,922.03	1/4	3,578.85	1/4	3,235.74	1/4	2,892.60		
1/2		1/2		1/2		1/2	4,940.51	1/2	4,599.71	1/2	4,258.05	1/2	3,914.88	1/2	3,571.70	1/2	3,228.59	1/2	2,885.45		
3/4		3/4		3/4		3/4	4,933.48	3/4	4,592.59	3/4	4,250.92	3/4	3,907.73	3/4	3,564.55	3/4	3,221.44	3/4	2,878.30		
6		6		6		6	4,926.44	6	4,585.48	6	4,243.79	6	3,900.58	6	3,557.40	6	3,214.29	6	2,871.15		
1/4		1/4		1/4		1/4	4,919.38	1/4	4,578.36	1/4	4,236.64	1/4	3,893.43	1/4	3,550.26	1/4	3,207.15	1/4	2,864.00		
1/2		1/2		1/2		1/2	4,912.32	1/2	4,571.24	1/2	4,229.49	1/2	3,886.28	1/2	3,543.11	1/2	3,200.00	1/2	2,856.85		
3/4		3/4		3/4		3/4	4,905.25	3/4	4,564.12	3/4	4,222.34	3/4	3,879.13	3/4	3,535.96	3/4	3,192.85	3/4	2,849.70		
7		7		7		7	4,898.19	7	4,557.01	7	4,215.19	7	3,871.98	7	3,528.81	7	3,185.70	7	2,842.55		
1/4		1/4		1/4		1/4	4,891.11	1/4	4,549.89	1/4	4,208.04	1/4	3,864.83	1/4	3,521.66	1/4	3,178.55	1/4	2,835.40		
1/2		1/2		1/2		1/2	4,884.04	1/2	4,542.77	1/2	4,200.89	1/2	3,857.68	1/2	3,514.52	1/2	3,171.41	1/2	2,828.25		
3/4		3/4		3/4		3/4	4,876.97	3/4	4,535.65	3/4	4,193.74	3/4	3,850.53	3/4	3,507.37	3/4	3,164.26	3/4	2,821.10		
8		8		8		8	4,869.90	8	4,528.54	8	4,186.59	8	3,843.38	8	3,500.22	8	3,157.11	8	2,813.95		
1/4		1/4		1/4		1/4	4,862.83	1/4	4,521.42	1/4	4,179.44	1/4	3,836.23	1/4	3,493.07	1/4	3,149.96	1/4	2,806.80		
1/2		1/2		1/2		1/2	4,855.76	1/2	4,514.30	1/2	4,172.29	1/2	3,829.08	1/2	3,485.92	1/2	3,142.81	1/2	2,799.65		
3/4		3/4		3/4		3/4	4,848.68	3/4	4,507.19	3/4	4,165.14	3/4	3,821.93	3/4	3,478.77	3/4	3,135.67	3/4	2,792.50		
9		9		9		9	4,841.61	9	4,500.07	9	4,157.99	9	3,814.78	9	3,471.63	9	3,128.52	9	2,785.35		
1/4		1/4		1/4		1/4	4,834.52	1/4	4,492.95	1/4	4,150.84	1/4	3,807.63	1/4	3,464.48	1/4	3,121.37	1/4	2,778.20		
1/2		1/2		1/2		1/2	4,827.42	1/2	4,485.83	1/2	4,143.69	1/2	3,800.48	1/2	3,457.33	1/2	3,114.22	1/2	2,771.05		
3/4		3/4		3/4		3/4	4,820.32	3/4	4,478.72	3/4	4,136.53	3/4	3,793.33	3/4	3,450.18	3/4	3,107.07	3/4	2,763.90		
10		10		10		10	4,813.23	10	4,471.60	10	4,129.38	10	3,786.18	10	3,443.03	10	3,099.93	10	2,756.75		
1/4		1/4		1/4		1/4	4,806.11	1/4	4,464.48	1/4	4,122.23	1/4	3,779.03	1/4	3,435.89	1/4	3,092.78	1/4	2,749.60		
1/2		1/2		1/2		1/2	4,798.99	1/2	4,457.36	1/2	4,115.08	1/2	3,771.88	1/2	3,428.74	1/2	3,085.63	1/2	2,742.45		
3/4		3/4		3/4		3/4	4,791.88	3/4	4,450.25	3/4	4,107.93	3/4	3,764.73	3/4	3,421.59	3/4	3,078.48	3/4	2,735.30		
11		11		11		11	5,045.37	11	4,784.76	11	4,443.13	11	4,100.78	11	3,757.58	11	3,414.44	11	3,071.33	11	2,728.15
1/4		1/4		1/4		1/4	5,044.44	1/4	4,777.64	1/4	4,436.01	1/4	4,093.63	1/4	3,750.43	1/4	3,407.29	1/4	3,064.18	1/4	2,721.00
1/2		1/2		1/2		1/2	5,043.51	1/2	4,770.53	1/2	4,428.90	1/2	4,086.48	1/2	3,743.28	1/2	3,400.15	1/2	3,057.04	1/2	2,713.85
3/4		3/4		3/4		3/4	5,042.58	3/4	4,763.41	3/4	4,421.78	3/4	4,079.33	3/4	3,736.13	3/4	3,393.00	3/4	3,049.89	3/4	2,706.70

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "MPX 412"

1 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,699.55	0	2,356.34	0	2,013.12	0	1,669.89	0	1,326.67	0	983.50	0	640.52	0	304.42	0	20.51	0	
1/4	2,692.40	1/4	2,349.19	1/4	2,005.97	1/4	1,662.74	1/4	1,319.52	1/4	976.36	1/4	633.37	1/4	297.85	1/4	17.71	1/4	
1/2	2,685.25	1/2	2,342.04	1/2	1,998.82	1/2	1,655.59	1/2	1,312.37	1/2	969.22	1/2	626.22	1/2	291.29	1/2	14.91	1/2	
3/4	2,678.10	3/4	2,334.89	3/4	1,991.67	3/4	1,648.44	3/4	1,305.22	3/4	962.08	3/4	619.07	3/4	284.72	3/4	12.11	3/4	
1	2,670.95	1	2,327.74	1	1,984.52	1	1,641.29	1	1,298.07	1	954.94	1	611.92	1	278.16	1	9.30	1	
1/4	2,663.80	1/4	2,320.59	1/4	1,977.37	1/4	1,634.14	1/4	1,290.92	1/4	947.80	1/4	604.77	1/4	271.68	1/4	7.52	1/4	
1/2	2,656.65	1/2	2,313.44	1/2	1,970.22	1/2	1,626.99	1/2	1,283.77	1/2	940.65	1/2	597.62	1/2	265.20	1/2	5.73	1/2	
3/4	2,649.50	3/4	2,306.29	3/4	1,963.07	3/4	1,619.84	3/4	1,276.62	3/4	933.51	3/4	590.47	3/4	258.71	3/4	3.94	3/4	
2	2,642.35	2	2,299.14	2	1,955.91	2	1,612.69	2	1,269.47	2	926.37	2	583.32	2	252.23	2	2.15	2	
1/4	2,635.20	1/4	2,291.99	1/4	1,948.76	1/4	1,605.54	1/4	1,262.32	1/4	919.23	1/4	576.17	1/4	245.84	1/4		1/4	
1/2	2,628.06	1/2	2,284.84	1/2	1,941.61	1/2	1,598.39	1/2	1,255.17	1/2	912.09	1/2	569.02	1/2	239.44	1/2		1/2	
3/4	2,620.91	3/4	2,277.69	3/4	1,934.46	3/4	1,591.24	3/4	1,248.02	3/4	904.95	3/4	561.87	3/4	233.04	3/4		3/4	
3	2,613.76	3	2,270.54	3	1,927.31	3	1,584.09	3	1,240.86	3	897.80	3	554.72	3	226.64	3		3	
1/4	2,606.61	1/4	2,263.39	1/4	1,920.16	1/4	1,576.94	1/4	1,233.71	1/4	890.66	1/4	547.57	1/4	220.33	1/4		1/4	
1/2	2,599.46	1/2	2,256.24	1/2	1,913.01	1/2	1,569.79	1/2	1,226.56	1/2	883.52	1/2	540.42	1/2	214.01	1/2		1/2	
3/4	2,592.31	3/4	2,249.09	3/4	1,905.86	3/4	1,562.64	3/4	1,219.41	3/4	876.38	3/4	533.27	3/4	207.70	3/4		3/4	
4	2,585.16	4	2,241.93	4	1,898.71	4	1,555.49	4	1,212.26	4	869.24	4	526.12	4	201.39	4		4	
1/4	2,578.01	1/4	2,234.78	1/4	1,891.56	1/4	1,548.34	1/4	1,205.11	1/4	862.10	1/4	518.97	1/4	195.16	1/4		1/4	
1/2	2,570.86	1/2	2,227.63	1/2	1,884.41	1/2	1,541.19	1/2	1,197.96	1/2	854.96	1/2	511.82	1/2	188.93	1/2		1/2	
3/4	2,563.71	3/4	2,220.48	3/4	1,877.26	3/4	1,534.04	3/4	1,190.81	3/4	847.81	3/4	504.67	3/4	182.69	3/4		3/4	
5	2,556.56	5	2,213.33	5	1,870.11	5	1,526.88	5	1,183.66	5	840.67	5	497.52	5	176.46	5		5	
1/4	2,549.41	1/4	2,206.18	1/4	1,862.96	1/4	1,519.73	1/4	1,176.51	1/4	833.53	1/4	490.39	1/4	170.32	1/4		1/4	
1/2	2,542.26	1/2	2,199.03	1/2	1,855.81	1/2	1,512.58	1/2	1,169.36	1/2	826.39	1/2	483.26	1/2	164.17	1/2		1/2	
3/4	2,535.11	3/4	2,191.88	3/4	1,848.66	3/4	1,505.43	3/4	1,162.21	3/4	819.25	3/4	476.13	3/4	158.02	3/4		3/4	
6	2,527.95	6	2,184.73	6	1,841.51	6	1,498.28	6	1,155.06	6	812.11	6	469.00	6	151.88	6		6	
1/4	2,520.80	1/4	2,177.58	1/4	1,834.36	1/4	1,491.13	1/4	1,147.91	1/4	804.96	1/4	461.83	1/4	145.81	1/4		1/4	
1/2	2,513.65	1/2	2,170.43	1/2	1,827.21	1/2	1,483.98	1/2	1,140.76	1/2	797.82	1/2	454.87	1/2	139.75	1/2		1/2	
3/4	2,506.50	3/4	2,163.28	3/4	1,820.06	3/4	1,476.83	3/4	1,133.61	3/4	790.67	3/4	447.80	3/4	133.69	3/4		3/4	
7	2,499.35	7	2,156.13	7	1,812.90	7	1,469.68	7	1,126.46	7	783.53	7	440.73	7	127.62	7		7	
1/4	2,492.20	1/4	2,148.98	1/4	1,805.75	1/4	1,462.53	1/4	1,119.31	1/4	776.38	1/4	433.75	1/4	121.64	1/4		1/4	
1/2	2,485.05	1/2	2,141.83	1/2	1,798.60	1/2	1,455.38	1/2	1,112.16	1/2	769.23	1/2	426.77	1/2	115.67	1/2		1/2	
3/4	2,477.90	3/4	2,134.68	3/4	1,791.45	3/4	1,448.23	3/4	1,105.01	3/4	762.08	3/4	419.79	3/4	109.69	3/4		3/4	
8	2,470.75	8	2,127.53	8	1,784.30	8	1,441.08	8	1,097.85	8	754.93	8	412.80	8	103.71	8		8	
1/4	2,463.60	1/4	2,120.38	1/4	1,777.15	1/4	1,433.93	1/4	1,090.70	1/4	747.78	1/4	405.90	1/4	97.82	1/4		1/4	
1/2	2,456.45	1/2	2,113.23	1/2	1,770.00	1/2	1,426.78	1/2	1,083.55	1/2	740.63	1/2	399.00	1/2	91.93	1/2		1/2	
3/4	2,449.30	3/4	2,106.08	3/4	1,762.85	3/4	1,419.63	3/4	1,076.40	3/4	733.48	3/4	392.10	3/4	86.04	3/4		3/4	
9	2,442.15	9	2,098.92	9	1,755.70	9	1,412.48	9	1,069.25	9	726.33	9	385.20	9	80.15	9		9	
1/4	2,435.00	1/4	2,091.77	1/4	1,748.55	1/4	1,405.33	1/4	1,062.10	1/4	719.18	1/4	378.39	1/4	74.36	1/4		1/4	
1/2	2,427.85	1/2	2,084.62	1/2	1,741.40	1/2	1,398.18	1/2	1,054.95	1/2	712.03	1/2	371.57	1/2	68.57	1/2		1/2	
3/4	2,420.70	3/4	2,077.47	3/4	1,734.25	3/4	1,391.03	3/4	1,047.80	3/4	704.88	3/4	364.76	3/4	62.78	3/4		3/4	
10	2,413.55	10	2,070.32	10	1,727.10	10	1,383.87	10	1,040.65	10	697.73	10	357.94	10	56.99	10		10	
1/4	2,406.40	1/4	2,063.17	1/4	1,719.95	1/4	1,376.72	1/4	1,033.51	1/4	690.58	1/4	351.21	1/4	51.73	1/4		1/4	
1/2	2,399.25	1/2	2,056.02	1/2	1,712.80	1/2	1,369.57	1/2	1,026.36	1/2	683.43	1/2	344.48	1/2	46.46	1/2		1/2	
3/4	2,392.10	3/4	2,048.87	3/4	1,705.65	3/4	1,362.42	3/4	1,019.22	3/4	676.28	3/4	337.74	3/4	41.20	3/4		3/4	
11	2,384.94	11	2,041.72	11	1,698.50	11	1,355.27	11	1,012.07	11	669.12	11	331.01	11	35.94	11		11	
1/4	2,377.79	1/4	2,034.57	1/4	1,691.35	1/4	1,348.12	1/4	1,004.93	1/4	661.97	1/4	324.36	1/4	32.08	1/4		1/4	
1/2	2,370.64	1/2	2,027.42	1/2	1,684.20	1/2	1,340.97	1/2	997.79	1/2	654.82	1/2	317.72	1/2	28.22	1/2		1/2	
3/4	2,363.49	3/4	2,020.27	3/4	1,677.05	3/4	1,333.82	3/4	990.64	3/4	647.67	3/4	311.07	3/4	24.37	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 1/7/2021 CL
CALCULATED: 1/8/2021 CL
PRINTED: 1/8/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 1/2021



BARGE "MPX 412"

2 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,095.58	0	4,809.85	0	4,467.75	0	4,124.80	0	3,781.13	0	3,437.46	0	3,093.80
1/4		1/4		1/4		1/4	5,093.57	1/4	4,802.72	1/4	4,460.62	1/4	4,117.64	1/4	3,773.97	1/4	3,430.30	1/4	3,086.64
1/2		1/2		1/2		1/2	5,091.56	1/2	4,795.59	1/2	4,453.49	1/2	4,110.48	1/2	3,766.81	1/2	3,423.15	1/2	3,079.48
3/4		3/4		3/4		3/4	5,089.55	3/4	4,788.47	3/4	4,446.37	3/4	4,103.32	3/4	3,759.65	3/4	3,415.99	3/4	3,072.32
1		1		1		1	5,087.54	1	4,781.34	1	4,439.24	1	4,096.16	1	3,752.49	1	3,408.83	1	3,065.16
1/4		1/4		1/4		1/4	5,084.34	1/4	4,774.21	1/4	4,432.11	1/4	4,089.00	1/4	3,745.33	1/4	3,401.67	1/4	3,058.00
1/2		1/2		1/2		1/2	5,081.14	1/2	4,767.09	1/2	4,424.99	1/2	4,081.84	1/2	3,738.17	1/2	3,394.51	1/2	3,050.85
3/4		3/4		3/4		3/4	5,077.93	3/4	4,759.96	3/4	4,417.86	3/4	4,074.68	3/4	3,731.01	3/4	3,387.35	3/4	3,043.69
2		2		2		2	5,074.73	2	4,752.83	2	4,410.73	2	4,067.52	2	3,723.85	2	3,380.19	2	3,036.54
1/4		1/4		1/4		1/4	5,070.34	1/4	4,745.70	1/4	4,403.60	1/4	4,060.36	1/4	3,716.69	1/4	3,373.03	1/4	3,029.37
1/2		1/2		1/2		1/2	5,065.94	1/2	4,738.58	1/2	4,396.48	1/2	4,053.20	1/2	3,709.53	1/2	3,365.87	1/2	3,022.21
3/4		3/4		3/4		3/4	5,061.54	3/4	4,731.45	3/4	4,389.35	3/4	4,046.04	3/4	3,702.37	3/4	3,358.71	3/4	3,015.05
3		3		3		3	5,057.15	3	4,724.32	3	4,382.22	3	4,038.88	3	3,695.21	3	3,351.55	3	3,007.89
1/4		1/4		1/4		1/4	5,051.56	1/4	4,717.20	1/4	4,375.10	1/4	4,031.72	1/4	3,688.05	1/4	3,344.39	1/4	3,000.73
1/2		1/2		1/2		1/2	5,045.97	1/2	4,710.07	1/2	4,367.97	1/2	4,024.56	1/2	3,680.89	1/2	3,337.23	1/2	2,993.57
3/4		3/4		3/4		3/4	5,040.38	3/4	4,702.94	3/4	4,360.84	3/4	4,017.40	3/4	3,673.73	3/4	3,330.07	3/4	2,986.40
4		4		4		4	5,034.79	4	4,695.81	4	4,353.71	4	4,010.24	4	3,666.57	4	3,322.91	4	2,979.24
1/4		1/4		1/4		1/4	5,028.19	1/4	4,688.69	1/4	4,346.59	1/4	4,003.08	1/4	3,659.42	1/4	3,315.75	1/4	2,972.08
1/2		1/2		1/2		1/2	5,021.59	1/2	4,681.56	1/2	4,339.46	1/2	3,995.92	1/2	3,652.26	1/2	3,308.59	1/2	2,964.92
3/4		3/4		3/4		3/4	5,014.99	3/4	4,674.43	3/4	4,332.33	3/4	3,988.76	3/4	3,645.10	3/4	3,301.43	3/4	2,957.76
5		5		5		5	5,008.39	5	4,667.31	5	4,325.21	5	3,981.60	5	3,637.94	5	3,294.27	5	2,950.59
1/4		1/4		1/4		1/4	5,001.35	1/4	4,660.18	1/4	4,318.06	1/4	3,974.44	1/4	3,630.78	1/4	3,287.11	1/4	2,943.43
1/2		1/2		1/2		1/2	4,994.30	1/2	4,653.05	1/2	4,310.92	1/2	3,967.28	1/2	3,623.62	1/2	3,279.95	1/2	2,936.27
3/4		3/4		3/4		3/4	4,987.26	3/4	4,645.93	3/4	4,303.77	3/4	3,960.12	3/4	3,616.46	3/4	3,272.79	3/4	2,929.11
6		6		6		6	4,980.22	6	4,638.80	6	4,296.63	6	3,952.96	6	3,609.30	6	3,265.63	6	2,921.95
1/4		1/4		1/4		1/4	4,973.15	1/4	4,631.67	1/4	4,289.47	1/4	3,945.80	1/4	3,602.14	1/4	3,258.47	1/4	2,914.79
1/2		1/2		1/2		1/2	4,966.08	1/2	4,624.54	1/2	4,282.31	1/2	3,938.64	1/2	3,594.98	1/2	3,251.31	1/2	2,907.62
3/4		3/4		3/4		3/4	4,959.00	3/4	4,617.42	3/4	4,275.15	3/4	3,931.48	3/4	3,587.82	3/4	3,244.15	3/4	2,900.46
7		7		7		7	4,951.93	7	4,610.29	7	4,267.99	7	3,924.32	7	3,580.66	7	3,236.99	7	2,893.30
1/4		1/4		1/4		1/4	4,944.85	1/4	4,603.16	1/4	4,260.83	1/4	3,917.16	1/4	3,573.50	1/4	3,229.83	1/4	2,886.14
1/2		1/2		1/2		1/2	4,937.77	1/2	4,596.04	1/2	4,253.67	1/2	3,910.00	1/2	3,566.34	1/2	3,222.67	1/2	2,878.98
3/4		3/4		3/4		3/4	4,930.69	3/4	4,588.91	3/4	4,246.51	3/4	3,902.84	3/4	3,559.18	3/4	3,215.51	3/4	2,871.82
8		8		8		8	4,923.61	8	4,581.78	8	4,239.35	8	3,895.69	8	3,552.02	8	3,208.35	8	2,864.65
1/4		1/4		1/4		1/4	4,916.53	1/4	4,574.65	1/4	4,232.19	1/4	3,888.53	1/4	3,544.86	1/4	3,201.19	1/4	2,857.49
1/2		1/2		1/2		1/2	4,909.44	1/2	4,567.53	1/2	4,225.03	1/2	3,881.37	1/2	3,537.70	1/2	3,194.03	1/2	2,850.33
3/4		3/4		3/4		3/4	4,902.36	3/4	4,560.40	3/4	4,217.87	3/4	3,874.21	3/4	3,530.54	3/4	3,186.87	3/4	2,843.17
9		9		9		9	4,895.28	9	4,553.27	9	4,210.71	9	3,867.05	9	3,523.38	9	3,179.72	9	2,836.01
1/4		1/4		1/4		1/4	4,888.18	1/4	4,546.15	1/4	4,203.55	1/4	3,859.89	1/4	3,516.22	1/4	3,172.56	1/4	2,828.84
1/2		1/2		1/2		1/2	4,881.07	1/2	4,539.02	1/2	4,196.39	1/2	3,852.73	1/2	3,509.06	1/2	3,165.40	1/2	2,821.68
3/4		3/4		3/4		3/4	4,873.97	3/4	4,531.89	3/4	4,189.23	3/4	3,845.57	3/4	3,501.90	3/4	3,158.24	3/4	2,814.52
10		10		10		10	4,866.87	10	4,524.76	10	4,182.07	10	3,838.41	10	3,494.74	10	3,151.08	10	2,807.36
1/4		1/4		1/4		1/4	4,859.74	1/4	4,517.64	1/4	4,174.91	1/4	3,831.25	1/4	3,487.58	1/4	3,143.92	1/4	2,800.20
1/2		1/2		1/2		1/2	4,852.61	1/2	4,510.51	1/2	4,167.75	1/2	3,824.09	1/2	3,480.42	1/2	3,136.76	1/2	2,793.04
3/4		3/4		3/4		3/4	4,845.48	3/4	4,503.38	3/4	4,160.59	3/4	3,816.93	3/4	3,473.26	3/4	3,129.60	3/4	2,785.87
11		11		11	5,099.30	11	4,838.36	11	4,496.26	11	4,153.43	11	3,809.77	11	3,466.10	11	3,122.44	11	2,778.71
1/4		1/4		1/4	5,098.37	1/4	4,831.23	1/4	4,489.13	1/4	4,146.27	1/4	3,802.61	1/4	3,458.94	1/4	3,115.28	1/4	2,771.55
1/2		1/2		1/2	5,097.44	1/2	4,824.10	1/2	4,482.00	1/2	4,139.12	1/2	3,795.45	1/2	3,451.78	1/2	3,108.12	1/2	2,764.39
3/4		3/4		3/4	5,096.51	3/4	4,816.98	3/4	4,474.87	3/4	4,131.96	3/4	3,788.29	3/4	3,444.62	3/4	3,100.96	3/4	2,757.23

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 LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 412"

2 PORT ULLAGE TABLE 10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,750.06	0	2,406.30	0	2,062.53	0	1,718.77	0	1,375.00	0	1,035.41	0	702.00	0	358.24	0	23.64	0	
1/4	2,742.90	1/4	2,399.14	1/4	2,055.37	1/4	1,711.60	1/4	1,367.84	1/4	1,028.56	1/4	694.83	1/4	351.08	1/4	20.06	1/4	
1/2	2,735.74	1/2	2,391.97	1/2	2,048.21	1/2	1,704.44	1/2	1,360.68	1/2	1,021.71	1/2	687.67	1/2	343.92	1/2	16.48	1/2	
3/4	2,728.58	3/4	2,384.81	3/4	2,041.05	3/4	1,697.28	3/4	1,353.51	3/4	1,014.85	3/4	680.51	3/4	336.76	3/4	12.90	3/4	
1	2,721.42	1	2,377.65	1	2,033.88	1	1,690.12	1	1,346.35	1	1,008.00	1	673.35	1	329.60	1	9.32	1	
1/4	2,714.26	1/4	2,370.49	1/4	2,026.72	1/4	1,682.96	1/4	1,339.19	1/4	1,001.14	1/4	666.19	1/4	322.44	1/4	7.53	1/4	
1/2	2,707.09	1/2	2,363.33	1/2	2,019.56	1/2	1,675.79	1/2	1,332.03	1/2	994.29	1/2	659.03	1/2	315.27	1/2	5.74	1/2	
3/4	2,699.93	3/4	2,356.17	3/4	2,012.40	3/4	1,668.63	3/4	1,324.87	3/4	987.44	3/4	651.87	3/4	308.11	3/4	3.95	3/4	
2	2,692.77	2	2,349.00	2	2,005.24	2	1,661.47	2	1,317.70	2	980.58	2	644.70	2	300.95	2	2.16	2	
1/4	2,685.61	1/4	2,341.84	1/4	1,998.08	1/4	1,654.31	1/4	1,310.54	1/4	973.73	1/4	637.54	1/4	293.79	1/4		1/4	
1/2	2,678.45	1/2	2,334.68	1/2	1,990.91	1/2	1,647.15	1/2	1,303.38	1/2	966.88	1/2	630.38	1/2	286.63	1/2		1/2	
3/4	2,671.28	3/4	2,327.52	3/4	1,983.75	3/4	1,639.99	3/4	1,296.22	3/4	960.02	3/4	623.22	3/4	279.47	3/4		3/4	
3	2,664.12	3	2,320.36	3	1,976.59	3	1,632.82	3	1,289.06	3	953.17	3	616.06	3	272.31	3		3	
1/4	2,656.96	1/4	2,313.19	1/4	1,969.43	1/4	1,625.66	1/4	1,281.90	1/4	946.31	1/4	608.90	1/4	265.14	1/4		1/4	
1/2	2,649.80	1/2	2,306.03	1/2	1,962.27	1/2	1,618.50	1/2	1,274.73	1/2	939.46	1/2	601.73	1/2	257.98	1/2		1/2	
3/4	2,642.64	3/4	2,298.87	3/4	1,955.10	3/4	1,611.34	3/4	1,267.57	3/4	932.61	3/4	594.57	3/4	250.82	3/4		3/4	
4	2,635.48	4	2,291.71	4	1,947.94	4	1,604.18	4	1,260.41	4	925.75	4	587.41	4	243.66	4		4	
1/4	2,628.31	1/4	2,284.55	1/4	1,940.78	1/4	1,597.01	1/4	1,253.25	1/4	918.90	1/4	580.25	1/4	236.50	1/4		1/4	
1/2	2,621.15	1/2	2,277.39	1/2	1,933.62	1/2	1,589.85	1/2	1,246.09	1/2	912.05	1/2	573.09	1/2	229.34	1/2		1/2	
3/4	2,613.99	3/4	2,270.22	3/4	1,926.46	3/4	1,582.69	3/4	1,238.92	3/4	905.19	3/4	565.93	3/4	222.18	3/4		3/4	
5	2,606.83	5	2,263.06	5	1,919.30	5	1,575.53	5	1,231.76	5	898.34	5	558.77	5	215.01	5		5	
1/4	2,599.67	1/4	2,255.90	1/4	1,912.13	1/4	1,568.37	1/4	1,224.60	1/4	891.49	1/4	551.60	1/4	207.85	1/4		1/4	
1/2	2,592.50	1/2	2,248.74	1/2	1,904.97	1/2	1,561.21	1/2	1,217.44	1/2	884.63	1/2	544.44	1/2	200.69	1/2		1/2	
3/4	2,585.34	3/4	2,241.58	3/4	1,897.81	3/4	1,554.04	3/4	1,210.28	3/4	877.78	3/4	537.28	3/4	193.53	3/4		3/4	
6	2,578.18	6	2,234.41	6	1,890.65	6	1,546.88	6	1,203.12	6	870.93	6	530.12	6	186.37	6		6	
1/4	2,571.02	1/4	2,227.25	1/4	1,883.49	1/4	1,539.72	1/4	1,195.95	1/4	864.07	1/4	522.96	1/4	179.21	1/4		1/4	
1/2	2,563.86	1/2	2,220.09	1/2	1,876.32	1/2	1,532.56	1/2	1,188.79	1/2	857.21	1/2	515.80	1/2	172.04	1/2		1/2	
3/4	2,556.70	3/4	2,212.93	3/4	1,869.16	3/4	1,525.40	3/4	1,181.63	3/4	850.35	3/4	508.64	3/4	164.88	3/4		3/4	
7	2,549.53	7	2,205.77	7	1,862.00	7	1,518.23	7	1,174.47	7	843.50	7	501.47	7	157.72	7		7	
1/4	2,542.37	1/4	2,198.61	1/4	1,854.84	1/4	1,511.07	1/4	1,167.31	1/4	836.62	1/4	494.31	1/4	150.56	1/4		1/4	
1/2	2,535.21	1/2	2,191.44	1/2	1,847.68	1/2	1,503.91	1/2	1,160.14	1/2	829.75	1/2	487.15	1/2	143.40	1/2		1/2	
3/4	2,528.05	3/4	2,184.28	3/4	1,840.52	3/4	1,496.75	3/4	1,152.98	3/4	822.88	3/4	479.99	3/4	136.24	3/4		3/4	
8	2,520.89	8	2,177.12	8	1,833.35	8	1,489.59	8	1,145.82	8	816.01	8	472.83	8	129.08	8		8	
1/4	2,513.73	1/4	2,169.96	1/4	1,826.19	1/4	1,482.43	1/4	1,138.80	1/4	808.99	1/4	465.67	1/4	121.92	1/4		1/4	
1/2	2,506.56	1/2	2,162.80	1/2	1,819.03	1/2	1,475.26	1/2	1,131.78	1/2	801.97	1/2	458.50	1/2	114.77	1/2		1/2	
3/4	2,499.40	3/4	2,155.64	3/4	1,811.87	3/4	1,468.10	3/4	1,124.76	3/4	794.95	3/4	451.34	3/4	107.61	3/4		3/4	
9	2,492.24	9	2,148.47	9	1,804.71	9	1,460.94	9	1,117.74	9	787.93	9	444.18	9	100.46	9		9	
1/4	2,485.08	1/4	2,141.31	1/4	1,797.55	1/4	1,453.78	1/4	1,110.87	1/4	780.77	1/4	437.02	1/4	93.32	1/4		1/4	
1/2	2,477.92	1/2	2,134.15	1/2	1,790.38	1/2	1,446.62	1/2	1,104.00	1/2	773.61	1/2	429.86	1/2	86.18	1/2		1/2	
3/4	2,470.75	3/4	2,126.99	3/4	1,783.22	3/4	1,439.46	3/4	1,097.13	3/4	766.45	3/4	422.70	3/4	79.04	3/4		3/4	
10	2,463.59	10	2,119.83	10	1,776.06	10	1,432.29	10	1,090.26	10	759.29	10	415.54	10	71.90	10		10	
1/4	2,456.43	1/4	2,112.66	1/4	1,768.90	1/4	1,425.13	1/4	1,083.40	1/4	752.13	1/4	408.37	1/4	65.21	1/4		1/4	
1/2	2,449.27	1/2	2,105.50	1/2	1,761.74	1/2	1,417.97	1/2	1,076.54	1/2	744.96	1/2	401.21	1/2	58.51	1/2		1/2	
3/4	2,442.11	3/4	2,098.34	3/4	1,754.57	3/4	1,410.81	3/4	1,069.69	3/4	737.80	3/4	394.05	3/4	51.82	3/4		3/4	
11	2,434.95	11	2,091.18	11	1,747.41	11	1,403.65	11	1,062.83	11	730.64	11	386.89	11	45.12	11		11	
1/4	2,427.78	1/4	2,084.02	1/4	1,740.25	1/4	1,396.48	1/4	1,055.97	1/4	723.48	1/4	379.73	1/4	39.75	1/4		1/4	
1/2	2,420.62	1/2	2,076.86	1/2	1,733.09	1/2	1,389.32	1/2	1,049.12	1/2	716.32	1/2	372.57	1/2	34.38	1/2		1/2	
3/4	2,413.46	3/4	2,069.69	3/4	1,725.93	3/4	1,382.16	3/4	1,042.27	3/4	709.16	3/4	365.41	3/4	29.01	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 1/7/2021 CL
CALCULATED: 1/8/2021 CL
PRINTED: 1/8/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 1/2021



BARGE "MPX 412"

2 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,106.41	0	4,820.78	0	4,478.83	0	4,136.03	0	3,792.51	0	3,449.06	0	3,105.63
1/4		1/4		1/4		1/4	5,104.40	1/4	4,813.66	1/4	4,471.70	1/4	4,128.87	1/4	3,785.35	1/4	3,441.90	1/4	3,098.48
1/2		1/2		1/2		1/2	5,102.39	1/2	4,806.53	1/2	4,464.58	1/2	4,121.72	1/2	3,778.19	1/2	3,434.75	1/2	3,091.32
3/4		3/4		3/4		3/4	5,100.38	3/4	4,799.41	3/4	4,457.46	3/4	4,114.56	3/4	3,771.04	3/4	3,427.59	3/4	3,084.17
1		1		1		1	4,792.28	1	4,450.33	1	4,107.40	1	3,763.88	1	3,420.44	1	3,077.01		
1/4		1/4		1/4		1/4	5,095.17	1/4	4,785.16	1/4	4,443.21	1/4	4,100.24	1/4	3,756.72	1/4	3,413.28	1/4	3,069.86
1/2		1/2		1/2		1/2	5,091.97	1/2	4,778.04	1/2	4,436.08	1/2	4,093.09	1/2	3,749.57	1/2	3,406.13	1/2	3,062.70
3/4		3/4		3/4		3/4	5,088.76	3/4	4,770.91	3/4	4,428.96	3/4	4,085.93	3/4	3,742.41	3/4	3,398.97	3/4	3,055.55
2		2		2		2	5,085.56	2	4,763.79	2	4,421.84	2	4,078.77	2	3,735.25	2	3,391.82	2	3,048.40
1/4		1/4		1/4		1/4	5,081.16	1/4	4,756.66	1/4	4,414.71	1/4	4,071.62	1/4	3,728.10	1/4	3,384.66	1/4	3,041.24
1/2		1/2		1/2		1/2	5,076.77	1/2	4,749.54	1/2	4,407.59	1/2	4,064.46	1/2	3,720.94	1/2	3,377.51	1/2	3,034.08
3/4		3/4		3/4		3/4	5,072.37	3/4	4,742.42	3/4	4,400.46	3/4	4,057.30	3/4	3,713.78	3/4	3,370.35	3/4	3,026.93
3		3		3		3	5,067.98	3	4,735.29	3	4,393.34	3	4,050.15	3	3,706.63	3	3,363.20	3	3,019.77
1/4		1/4		1/4		1/4	5,062.39	1/4	4,728.17	1/4	4,386.22	1/4	4,042.99	1/4	3,699.47	1/4	3,356.04	1/4	3,012.61
1/2		1/2		1/2		1/2	5,056.80	1/2	4,721.04	1/2	4,379.09	1/2	4,035.83	1/2	3,692.32	1/2	3,348.89	1/2	3,005.46
3/4		3/4		3/4		3/4	5,051.21	3/4	4,713.92	3/4	4,371.97	3/4	4,028.68	3/4	3,685.16	3/4	3,341.74	3/4	2,998.30
4		4		4		4	5,045.63	4	4,706.80	4	4,364.84	4	4,021.52	4	3,678.01	4	3,334.58	4	2,991.14
1/4		1/4		1/4		1/4	5,039.03	1/4	4,699.67	1/4	4,357.72	1/4	4,014.36	1/4	3,670.85	1/4	3,327.43	1/4	2,983.99
1/2		1/2		1/2		1/2	5,032.43	1/2	4,692.55	1/2	4,350.60	1/2	4,007.21	1/2	3,663.70	1/2	3,320.27	1/2	2,976.83
3/4		3/4		3/4		3/4	5,025.83	3/4	4,685.42	3/4	4,343.47	3/4	4,000.05	3/4	3,656.54	3/4	3,313.12	3/4	2,969.67
5		5		5		5	5,019.24	5	4,678.30	5	4,336.35	5	3,992.89	5	3,649.39	5	3,305.96	5	2,962.52
1/4		1/4		1/4		1/4	5,012.20	1/4	4,671.18	1/4	4,329.21	1/4	3,985.74	1/4	3,642.23	1/4	3,298.81	1/4	2,955.36
1/2		1/2		1/2		1/2	5,005.16	1/2	4,664.05	1/2	4,322.07	1/2	3,978.58	1/2	3,635.08	1/2	3,291.65	1/2	2,948.20
3/4		3/4		3/4		3/4	4,998.13	3/4	4,656.93	3/4	4,314.93	3/4	3,971.42	3/4	3,627.92	3/4	3,284.50	3/4	2,941.05
6		6		6		6	4,991.09	6	4,649.80	6	4,307.79	6	3,964.27	6	3,620.77	6	3,277.34	6	2,933.89
1/4		1/4		1/4		1/4	4,984.02	1/4	4,642.68	1/4	4,300.63	1/4	3,957.11	1/4	3,613.61	1/4	3,270.19	1/4	2,926.73
1/2		1/2		1/2		1/2	4,976.95	1/2	4,635.56	1/2	4,293.48	1/2	3,949.95	1/2	3,606.46	1/2	3,263.03	1/2	2,919.58
3/4		3/4		3/4		3/4	4,969.88	3/4	4,628.43	3/4	4,286.32	3/4	3,942.80	3/4	3,599.30	3/4	3,255.88	3/4	2,912.42
7		7		7		7	4,962.80	7	4,621.31	7	4,279.16	7	3,935.64	7	3,592.15	7	3,248.72	7	2,905.26
1/4		1/4		1/4		1/4	4,955.73	1/4	4,614.18	1/4	4,272.01	1/4	3,928.48	1/4	3,585.00	1/4	3,241.57	1/4	2,898.10
1/2		1/2		1/2		1/2	4,948.65	1/2	4,607.06	1/2	4,264.85	1/2	3,921.33	1/2	3,577.84	1/2	3,234.42	1/2	2,890.95
3/4		3/4		3/4		3/4	4,941.57	3/4	4,599.94	3/4	4,257.69	3/4	3,914.17	3/4	3,570.69	3/4	3,227.26	3/4	2,883.79
8		8		8		8	4,934.49	8	4,592.81	8	4,250.54	8	3,907.01	8	3,563.53	8	3,220.11	8	2,876.63
1/4		1/4		1/4		1/4	4,927.41	1/4	4,585.69	1/4	4,243.38	1/4	3,899.86	1/4	3,556.38	1/4	3,212.95	1/4	2,869.48
1/2		1/2		1/2		1/2	4,920.33	1/2	4,578.56	1/2	4,236.22	1/2	3,892.70	1/2	3,549.22	1/2	3,205.80	1/2	2,862.32
3/4		3/4		3/4		3/4	4,913.26	3/4	4,571.44	3/4	4,229.07	3/4	3,885.54	3/4	3,542.07	3/4	3,198.64	3/4	2,855.16
9		9		9		9	4,906.18	9	4,564.32	9	4,221.91	9	3,878.39	9	3,534.91	9	3,191.49	9	2,848.01
1/4		1/4		1/4		1/4	4,899.08	1/4	4,557.19	1/4	4,214.75	1/4	3,871.23	1/4	3,527.76	1/4	3,184.33	1/4	2,840.85
1/2		1/2		1/2		1/2	4,891.97	1/2	4,550.07	1/2	4,207.60	1/2	3,864.07	1/2	3,520.60	1/2	3,177.18	1/2	2,833.69
3/4		3/4		3/4		3/4	4,884.87	3/4	4,542.94	3/4	4,200.44	3/4	3,856.92	3/4	3,513.45	3/4	3,170.02	3/4	2,826.54
10		10		10		10	4,877.77	10	4,535.82	10	4,193.28	10	3,849.76	10	3,506.29	10	3,162.87	10	2,819.38
1/4		1/4		1/4		1/4	4,870.65	1/4	4,528.70	1/4	4,186.13	1/4	3,842.60	1/4	3,499.14	1/4	3,155.71	1/4	2,812.22
1/2		1/2		1/2		1/2	4,863.52	1/2	4,521.57	1/2	4,178.97	1/2	3,835.45	1/2	3,491.98	1/2	3,148.56	1/2	2,805.07
3/4		3/4		3/4		3/4	4,856.40	3/4	4,514.45	3/4	4,171.81	3/4	3,828.29	3/4	3,484.83	3/4	3,141.40	3/4	2,797.91
11		11		11	5,110.13	11	4,849.28	11	4,507.32	11	4,164.66	11	3,821.13	11	3,477.67	11	3,134.25	11	2,790.75
1/4		1/4		1/4	5,109.20	1/4	4,842.15	1/4	4,500.20	1/4	4,157.50	1/4	3,813.98	1/4	3,470.52	1/4	3,127.09	1/4	2,783.60
1/2		1/2		1/2	5,108.27	1/2	4,835.03	1/2	4,493.08	1/2	4,150.34	1/2	3,806.82	1/2	3,463.37	1/2	3,119.94	1/2	2,776.44
3/4		3/4		3/4	5,107.34	3/4	4,827.90	3/4	4,485.95	3/4	4,143.19	3/4	3,799.66	3/4	3,456.21	3/4	3,112.79	3/4	2,769.28

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 LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "MPX 412"

2 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,762.13	0	2,418.61	0	2,075.08	0	1,731.56	0	1,388.04	0	1,044.63	0	701.50	0	357.99	0	23.63	0	
1/4	2,754.97	1/4	2,411.45	1/4	2,067.93	1/4	1,724.41	1/4	1,380.88	1/4	1,037.48	1/4	694.34	1/4	350.84	1/4	20.05	1/4	
1/2	2,747.81	1/2	2,404.29	1/2	2,060.77	1/2	1,717.25	1/2	1,373.73	1/2	1,030.34	1/2	687.19	1/2	343.68	1/2	16.47	1/2	
3/4	2,740.66	3/4	2,397.14	3/4	2,053.61	3/4	1,710.09	3/4	1,366.57	3/4	1,023.20	3/4	680.03	3/4	336.52	3/4	12.89	3/4	
1	2,733.50	1	2,389.98	1	2,046.46	1	1,702.94	1	1,359.41	1	1,016.06	1	672.87	1	329.37	1	9.32	1	
1/4	2,726.34	1/4	2,382.82	1/4	2,039.30	1/4	1,695.78	1/4	1,352.26	1/4	1,008.91	1/4	665.72	1/4	322.21	1/4	7.53	1/4	
1/2	2,719.19	1/2	2,375.67	1/2	2,032.14	1/2	1,688.62	1/2	1,345.10	1/2	1,001.77	1/2	658.56	1/2	315.05	1/2	5.74	1/2	
3/4	2,712.03	3/4	2,368.51	3/4	2,024.99	3/4	1,681.47	3/4	1,337.94	3/4	994.63	3/4	651.40	3/4	307.90	3/4	3.95	3/4	
2	2,704.87	2	2,361.35	2	2,017.83	2	1,674.31	2	1,330.79	2	987.49	2	644.25	2	300.74	2	2.16	2	
1/4	2,697.72	1/4	2,354.20	1/4	2,010.67	1/4	1,667.15	1/4	1,323.63	1/4	980.34	1/4	637.09	1/4	293.58	1/4		1/4	
1/2	2,690.56	1/2	2,347.04	1/2	2,003.52	1/2	1,660.00	1/2	1,316.47	1/2	973.20	1/2	629.94	1/2	286.43	1/2		1/2	
3/4	2,683.40	3/4	2,339.88	3/4	1,996.36	3/4	1,652.84	3/4	1,309.32	3/4	966.06	3/4	622.78	3/4	279.27	3/4		3/4	
3	2,676.25	3	2,332.73	3	1,989.20	3	1,645.68	3	1,302.16	3	958.92	3	615.62	3	272.12	3		3	
1/4	2,669.09	1/4	2,325.57	1/4	1,982.05	1/4	1,638.53	1/4	1,295.00	1/4	951.77	1/4	608.47	1/4	264.96	1/4		1/4	
1/2	2,661.93	1/2	2,318.41	1/2	1,974.89	1/2	1,631.37	1/2	1,287.85	1/2	944.63	1/2	601.31	1/2	257.80	1/2		1/2	
3/4	2,654.78	3/4	2,311.26	3/4	1,967.73	3/4	1,624.21	3/4	1,280.69	3/4	937.49	3/4	594.15	3/4	250.65	3/4		3/4	
4	2,647.62	4	2,304.10	4	1,960.58	4	1,617.06	4	1,273.53	4	930.35	4	587.00	4	243.49	4		4	
1/4	2,640.46	1/4	2,296.94	1/4	1,953.42	1/4	1,609.90	1/4	1,266.38	1/4	923.20	1/4	579.84	1/4	236.33	1/4		1/4	
1/2	2,633.31	1/2	2,289.79	1/2	1,946.26	1/2	1,602.74	1/2	1,259.22	1/2	916.06	1/2	572.68	1/2	229.18	1/2		1/2	
3/4	2,626.15	3/4	2,282.63	3/4	1,939.11	3/4	1,595.59	3/4	1,252.06	3/4	908.92	3/4	565.53	3/4	222.02	3/4		3/4	
5	2,618.99	5	2,275.47	5	1,931.95	5	1,588.43	5	1,244.91	5	901.78	5	558.37	5	214.86	5		5	
1/4	2,611.84	1/4	2,268.32	1/4	1,924.79	1/4	1,581.27	1/4	1,237.75	1/4	894.63	1/4	551.21	1/4	207.71	1/4		1/4	
1/2	2,604.68	1/2	2,261.16	1/2	1,917.64	1/2	1,574.12	1/2	1,230.59	1/2	887.49	1/2	544.06	1/2	200.55	1/2		1/2	
3/4	2,597.52	3/4	2,254.00	3/4	1,910.48	3/4	1,566.96	3/4	1,223.44	3/4	880.35	3/4	536.90	3/4	193.39	3/4		3/4	
6	2,590.37	6	2,246.85	6	1,903.32	6	1,559.80	6	1,216.28	6	873.21	6	529.75	6	186.24	6		6	
1/4	2,583.21	1/4	2,239.69	1/4	1,896.17	1/4	1,552.65	1/4	1,209.12	1/4	866.06	1/4	522.59	1/4	179.08	1/4		1/4	
1/2	2,576.05	1/2	2,232.53	1/2	1,889.01	1/2	1,545.49	1/2	1,201.97	1/2	858.91	1/2	515.43	1/2	171.93	1/2		1/2	
3/4	2,568.90	3/4	2,225.38	3/4	1,881.85	3/4	1,538.33	3/4	1,194.81	3/4	851.77	3/4	508.28	3/4	164.77	3/4		3/4	
7	2,561.74	7	2,218.22	7	1,874.70	7	1,531.18	7	1,187.65	7	844.62	7	501.12	7	157.61	7		7	
1/4	2,554.58	1/4	2,211.06	1/4	1,867.54	1/4	1,524.02	1/4	1,180.50	1/4	837.47	1/4	493.96	1/4	150.46	1/4		1/4	
1/2	2,547.43	1/2	2,203.91	1/2	1,860.38	1/2	1,516.86	1/2	1,173.34	1/2	830.31	1/2	486.81	1/2	143.30	1/2		1/2	
3/4	2,540.27	3/4	2,196.75	3/4	1,853.23	3/4	1,509.71	3/4	1,166.18	3/4	823.16	3/4	479.65	3/4	136.15	3/4		3/4	
8	2,533.11	8	2,189.59	8	1,846.07	8	1,502.55	8	1,159.03	8	816.00	8	472.49	8	128.99	8		8	
1/4	2,525.96	1/4	2,182.43	1/4	1,838.91	1/4	1,495.39	1/4	1,151.87	1/4	808.85	1/4	465.34	1/4	121.84	1/4		1/4	
1/2	2,518.80	1/2	2,175.28	1/2	1,831.76	1/2	1,488.24	1/2	1,144.71	1/2	801.69	1/2	458.18	1/2	114.69	1/2		1/2	
3/4	2,511.64	3/4	2,168.12	3/4	1,824.60	3/4	1,481.08	3/4	1,137.56	3/4	794.53	3/4	451.03	3/4	107.54	3/4		3/4	
9	2,504.49	9	2,160.96	9	1,817.44	9	1,473.92	9	1,130.40	9	787.38	9	443.87	9	100.39	9		9	
1/4	2,497.33	1/4	2,153.81	1/4	1,810.29	1/4	1,466.76	1/4	1,123.25	1/4	780.22	1/4	436.71	1/4	93.25	1/4		1/4	
1/2	2,490.17	1/2	2,146.65	1/2	1,803.13	1/2	1,459.61	1/2	1,116.09	1/2	773.06	1/2	429.56	1/2	86.12	1/2		1/2	
3/4	2,483.02	3/4	2,139.49	3/4	1,795.97	3/4	1,452.45	3/4	1,108.94	3/4	765.91	3/4	422.40	3/4	78.99	3/4		3/4	
10	2,475.86	10	2,132.34	10	1,788.82	10	1,445.29	10	1,101.78	10	758.75	10	415.24	10	71.86	10		10	
1/4	2,468.70	1/4	2,125.18	1/4	1,781.66	1/4	1,438.14	1/4	1,094.64	1/4	751.59	1/4	408.09	1/4	65.17	1/4		1/4	
1/2	2,461.55	1/2	2,118.02	1/2	1,774.50	1/2	1,430.98	1/2	1,087.49	1/2	744.44	1/2	400.93	1/2	58.48	1/2		1/2	
3/4	2,454.39	3/4	2,110.87	3/4	1,767.35	3/4	1,423.82	3/4	1,080.34	3/4	737.28	3/4	393.77	3/4	51.78	3/4		3/4	
11	2,447.23	11	2,103.71	11	1,760.19	11	1,416.67	11	1,073.20	11	730.12	11	386.62	11	45.09	11		11	
1/4	2,440.08	1/4	2,096.55	1/4	1,753.03	1/4	1,409.51	1/4	1,066.06	1/4	722.97	1/4	379.46	1/4	39.73	1/4		1/4	
1/2	2,432.92	1/2	2,089.40	1/2	1,745.88	1/2	1,402.35	1/2	1,058.91	1/2	715.81	1/2	372.30	1/2	34.36	1/2		1/2	
3/4	2,425.76	3/4	2,082.24	3/4	1,738.72	3/4	1,395.20	3/4	1,051.77	3/4	708.66	3/4	365.15	3/4	28.99	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 1/7/2021 CL
CALCULATED: 1/8/2021 CL
PRINTED: 1/8/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 1/2021



BARGE "MPX 412"

3 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,397.59	0	4,228.11	0	4,019.17	0	3,809.73	0	3,599.88	0	3,390.56	0	3,077.28
1/4		1/4		1/4		1/4	4,395.88	1/4	4,223.76	1/4	4,014.82	1/4	3,805.36	1/4	3,595.51	1/4	3,386.21	1/4	3,070.16
1/2		1/2		1/2		1/2	4,394.18	1/2	4,219.40	1/2	4,010.46	1/2	3,800.99	1/2	3,591.13	1/2	3,381.86	1/2	3,063.04
3/4		3/4		3/4		3/4	4,392.47	3/4	4,215.05	3/4	4,006.11	3/4	3,796.62	3/4	3,586.76	3/4	3,377.52	3/4	3,055.93
1		1		1		1	4,210.76	1	4,001.76	1	4,001.76	1	3,792.25	1	3,582.39	1	3,373.17	1	3,048.81
1/4		1/4		1/4		1/4	4,389.05	1/4	4,206.34	1/4	3,997.40	1/4	3,787.87	1/4	3,578.02	1/4	3,368.83	1/4	3,041.69
1/2		1/2		1/2		1/2	4,387.34	1/2	4,201.99	1/2	3,993.05	1/2	3,783.50	1/2	3,573.65	1/2	3,364.49	1/2	3,034.57
3/4		3/4		3/4		3/4	4,385.64	3/4	4,197.64	3/4	3,988.70	3/4	3,779.13	3/4	3,569.27	3/4	3,360.16	3/4	3,027.44
2		2		2		2	4,383.93	2	4,193.28	2	3,984.35	2	3,774.76	2	3,564.90	2	3,355.82	2	3,020.32
1/4		1/4		1/4		1/4	4,381.95	1/4	4,188.93	1/4	3,979.99	1/4	3,770.39	1/4	3,560.53	1/4	3,350.10	1/4	3,013.19
1/2		1/2		1/2		1/2	4,379.98	1/2	4,184.58	1/2	3,975.64	1/2	3,766.01	1/2	3,556.16	1/2	3,344.38	1/2	3,006.05
3/4		3/4		3/4		3/4	4,378.00	3/4	4,180.23	3/4	3,971.29	3/4	3,761.64	3/4	3,551.79	3/4	3,338.66	3/4	2,998.92
3		3		3		3	4,376.02	3	4,175.87	3	3,966.93	3	3,757.27	3	3,547.41	3	3,332.94	3	2,991.79
1/4		1/4		1/4		1/4	4,373.18	1/4	4,171.52	1/4	3,962.58	1/4	3,752.90	1/4	3,543.05	1/4	3,325.84	1/4	2,984.66
1/2		1/2		1/2		1/2	4,370.34	1/2	4,167.17	1/2	3,958.23	1/2	3,748.53	1/2	3,538.69	1/2	3,318.74	1/2	2,977.53
3/4		3/4		3/4		3/4	4,367.51	3/4	4,162.81	3/4	3,953.88	3/4	3,744.15	3/4	3,534.32	3/4	3,311.64	3/4	2,970.40
4		4		4		4	4,364.67	4	4,158.46	4	3,949.52	4	3,739.78	4	3,529.96	4	3,304.54	4	2,963.26
1/4		1/4		1/4		1/4	4,360.82	1/4	4,154.11	1/4	3,945.17	1/4	3,735.41	1/4	3,525.60	1/4	3,297.44	1/4	2,956.13
1/2		1/2		1/2		1/2	4,356.98	1/2	4,149.76	1/2	3,940.82	1/2	3,731.04	1/2	3,521.24	1/2	3,290.34	1/2	2,949.00
3/4		3/4		3/4		3/4	4,353.13	3/4	4,145.40	3/4	3,936.46	3/4	3,726.67	3/4	3,516.89	3/4	3,283.24	3/4	2,941.87
5		5		5		5	4,349.29	5	4,141.05	5	3,932.11	5	3,722.29	5	3,512.53	5	3,276.14	5	2,934.74
1/4		1/4		1/4		1/4	4,345.00	1/4	4,136.70	1/4	3,927.75	1/4	3,717.92	1/4	3,508.18	1/4	3,269.04	1/4	2,927.61
1/2		1/2		1/2		1/2	4,340.72	1/2	4,132.34	1/2	3,923.39	1/2	3,713.55	1/2	3,503.82	1/2	3,261.94	1/2	2,920.49
3/4		3/4		3/4		3/4	4,336.43	3/4	4,127.99	3/4	3,919.02	3/4	3,709.18	3/4	3,499.46	3/4	3,254.84	3/4	2,913.36
6		6		6		6	4,332.15	6	4,123.64	6	3,914.66	6	3,704.81	6	3,495.11	6	3,247.74	6	2,906.23
1/4		1/4		1/4		1/4	4,327.83	1/4	4,119.29	1/4	3,910.29	1/4	3,700.43	1/4	3,490.75	1/4	3,240.65	1/4	2,899.11
1/2		1/2		1/2		1/2	4,323.52	1/2	4,114.93	1/2	3,905.92	1/2	3,696.06	1/2	3,486.39	1/2	3,233.55	1/2	2,891.99
3/4		3/4		3/4		3/4	4,319.20	3/4	4,110.58	3/4	3,901.55	3/4	3,691.69	3/4	3,482.04	3/4	3,226.45	3/4	2,884.87
7		7		7		7	4,314.88	7	4,106.23	7	3,897.17	7	3,687.32	7	3,477.68	7	3,219.35	7	2,877.75
1/4		1/4		1/4		1/4	4,310.56	1/4	4,101.87	1/4	3,892.80	1/4	3,682.95	1/4	3,473.33	1/4	3,212.25	1/4	2,870.63
1/2		1/2		1/2		1/2	4,306.24	1/2	4,097.52	1/2	3,888.43	1/2	3,678.57	1/2	3,468.97	1/2	3,205.15	1/2	2,863.51
3/4		3/4		3/4		3/4	4,301.91	3/4	4,093.17	3/4	3,884.06	3/4	3,674.20	3/4	3,464.61	3/4	3,198.05	3/4	2,856.39
8		8		8		8	4,297.59	8	4,088.82	8	3,879.69	8	3,669.83	8	3,460.26	8	3,190.96	8	2,849.27
1/4		1/4		1/4		1/4	4,293.26	1/4	4,084.46	1/4	3,875.31	1/4	3,665.46	1/4	3,455.90	1/4	3,183.86	1/4	2,842.15
1/2		1/2		1/2		1/2	4,288.94	1/2	4,080.11	1/2	3,870.94	1/2	3,661.09	1/2	3,451.55	1/2	3,176.76	1/2	2,835.03
3/4		3/4		3/4		3/4	4,284.61	3/4	4,075.76	3/4	3,866.57	3/4	3,656.71	3/4	3,447.19	3/4	3,169.66	3/4	2,827.91
9		9		9		9	4,280.29	9	4,071.40	9	3,862.20	9	3,652.34	9	3,442.83	9	3,162.56	9	2,820.79
1/4		1/4		1/4		1/4	4,275.95	1/4	4,067.05	1/4	3,857.83	1/4	3,647.97	1/4	3,438.48	1/4	3,155.46	1/4	2,813.67
1/2		1/2		1/2		1/2	4,271.61	1/2	4,062.70	1/2	3,853.45	1/2	3,643.60	1/2	3,434.12	1/2	3,148.37	1/2	2,806.55
3/4		3/4		3/4		3/4	4,267.27	3/4	4,058.34	3/4	3,849.08	3/4	3,639.23	3/4	3,429.76	3/4	3,141.27	3/4	2,799.43
10		10		10		10	4,262.93	10	4,053.99	10	3,844.71	10	3,634.85	10	3,425.41	10	3,134.17	10	2,792.31
1/4		1/4		1/4		1/4	4,258.58	1/4	4,049.64	1/4	3,840.34	1/4	3,630.48	1/4	3,421.05	1/4	3,127.06	1/4	2,785.19
1/2		1/2		1/2		1/2	4,254.23	1/2	4,045.29	1/2	3,835.97	1/2	3,626.11	1/2	3,416.70	1/2	3,119.95	1/2	2,778.07
3/4		3/4		3/4		3/4	4,249.87	3/4	4,040.93	3/4	3,831.59	3/4	3,621.74	3/4	3,412.34	3/4	3,112.85	3/4	2,770.95
11		11		11	4,401.90	11	4,245.52	11	4,036.58	11	3,827.22	11	3,617.37	11	3,407.98	11	3,105.74	11	2,763.83
1/4		1/4		1/4	4,400.82	1/4	4,241.17	1/4	4,032.23	1/4	3,822.85	1/4	3,612.99	1/4	3,403.63	1/4	3,098.62	1/4	2,756.71
1/2		1/2		1/2	4,399.75	1/2	4,236.81	1/2	4,027.87	1/2	3,818.48	1/2	3,608.62	1/2	3,399.27	1/2	3,091.51	1/2	2,749.59
3/4		3/4		3/4	4,398.67	3/4	4,232.46	3/4	4,023.52	3/4	3,814.11	3/4	3,604.25	3/4	3,394.91	3/4	3,084.39	3/4	2,742.47

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 LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 412"

3 PORT ULLAGE TABLE 10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,735.35	0	2,393.58	0	2,051.79	0	1,709.99	0	1,368.19	0	1,030.38	0	698.74	0	356.86	0	23.55	0	
1/4	2,728.23	1/4	2,386.46	1/4	2,044.67	1/4	1,702.87	1/4	1,361.07	1/4	1,023.57	1/4	691.62	1/4	349.73	1/4	19.99	1/4	
1/2	2,721.11	1/2	2,379.34	1/2	2,037.54	1/2	1,695.75	1/2	1,353.95	1/2	1,016.76	1/2	684.50	1/2	342.59	1/2	16.42	1/2	
3/4	2,713.99	3/4	2,372.22	3/4	2,030.42	3/4	1,688.63	3/4	1,346.83	3/4	1,009.95	3/4	677.38	3/4	335.46	3/4	12.85	3/4	
1	2,706.87	1	2,365.10	1	2,023.30	1	1,681.50	1	1,339.71	1	1,003.14	1	670.25	1	328.32	1	9.29	1	
1/4	2,699.75	1/4	2,357.98	1/4	2,016.18	1/4	1,674.38	1/4	1,332.59	1/4	996.32	1/4	663.13	1/4	321.19	1/4	7.50	1/4	
1/2	2,692.63	1/2	2,350.86	1/2	2,009.06	1/2	1,667.26	1/2	1,325.46	1/2	989.51	1/2	656.01	1/2	314.06	1/2	5.72	1/2	
3/4	2,685.51	3/4	2,343.74	3/4	2,001.94	3/4	1,660.14	3/4	1,318.34	3/4	982.70	3/4	648.89	3/4	306.92	3/4	3.94	3/4	
2	2,678.39	2	2,336.62	2	1,994.82	2	1,653.02	2	1,311.22	2	975.89	2	641.77	2	299.79	2	2.15	2	
1/4	2,671.27	1/4	2,329.50	1/4	1,987.70	1/4	1,645.90	1/4	1,304.10	1/4	969.08	1/4	634.64	1/4	292.66	1/4		1/4	
1/2	2,664.16	1/2	2,322.38	1/2	1,980.58	1/2	1,638.78	1/2	1,296.98	1/2	962.27	1/2	627.52	1/2	285.52	1/2		1/2	
3/4	2,657.04	3/4	2,315.26	3/4	1,973.46	3/4	1,631.66	3/4	1,289.86	3/4	955.46	3/4	620.40	3/4	278.39	3/4		3/4	
3	2,649.92	3	2,308.14	3	1,966.34	3	1,624.54	3	1,282.74	3	948.64	3	613.28	3	271.25	3		3	
1/4	2,642.80	1/4	2,301.01	1/4	1,959.22	1/4	1,617.42	1/4	1,275.62	1/4	941.83	1/4	606.15	1/4	264.12	1/4		1/4	
1/2	2,635.68	1/2	2,293.89	1/2	1,952.10	1/2	1,610.30	1/2	1,268.50	1/2	935.02	1/2	599.03	1/2	256.99	1/2		1/2	
3/4	2,628.56	3/4	2,286.77	3/4	1,944.97	3/4	1,603.18	3/4	1,261.38	3/4	928.21	3/4	591.91	3/4	249.85	3/4		3/4	
4	2,621.44	4	2,279.65	4	1,937.85	4	1,596.06	4	1,254.26	4	921.40	4	584.79	4	242.72	4		4	
1/4	2,614.32	1/4	2,272.53	1/4	1,930.73	1/4	1,588.93	1/4	1,247.14	1/4	914.59	1/4	577.67	1/4	235.58	1/4		1/4	
1/2	2,607.20	1/2	2,265.41	1/2	1,923.61	1/2	1,581.81	1/2	1,240.02	1/2	907.78	1/2	570.54	1/2	228.45	1/2		1/2	
3/4	2,600.08	3/4	2,258.29	3/4	1,916.49	3/4	1,574.69	3/4	1,232.89	3/4	900.97	3/4	563.42	3/4	221.32	3/4		3/4	
5	2,592.96	5	2,251.17	5	1,909.37	5	1,567.57	5	1,225.77	5	894.16	5	556.30	5	214.18	5		5	
1/4	2,585.84	1/4	2,244.05	1/4	1,902.25	1/4	1,560.45	1/4	1,218.65	1/4	887.35	1/4	549.18	1/4	207.05	1/4		1/4	
1/2	2,578.72	1/2	2,236.93	1/2	1,895.13	1/2	1,553.33	1/2	1,211.53	1/2	880.53	1/2	542.06	1/2	199.92	1/2		1/2	
3/4	2,571.60	3/4	2,229.81	3/4	1,888.01	3/4	1,546.21	3/4	1,204.41	3/4	873.72	3/4	534.93	3/4	192.78	3/4		3/4	
6	2,564.48	6	2,222.69	6	1,880.89	6	1,539.09	6	1,197.29	6	866.91	6	527.81	6	185.65	6		6	
1/4	2,557.36	1/4	2,215.56	1/4	1,873.77	1/4	1,531.97	1/4	1,190.17	1/4	860.10	1/4	520.69	1/4	178.51	1/4		1/4	
1/2	2,550.24	1/2	2,208.44	1/2	1,866.65	1/2	1,524.85	1/2	1,183.05	1/2	853.28	1/2	513.57	1/2	171.38	1/2		1/2	
3/4	2,543.12	3/4	2,201.32	3/4	1,859.52	3/4	1,517.73	3/4	1,175.93	3/4	846.47	3/4	506.45	3/4	164.25	3/4		3/4	
7	2,536.00	7	2,194.20	7	1,852.40	7	1,510.61	7	1,168.81	7	839.65	7	499.32	7	157.11	7		7	
1/4	2,528.88	1/4	2,187.08	1/4	1,845.28	1/4	1,503.48	1/4	1,161.69	1/4	832.80	1/4	492.20	1/4	149.98	1/4		1/4	
1/2	2,521.76	1/2	2,179.96	1/2	1,838.16	1/2	1,496.36	1/2	1,154.57	1/2	825.94	1/2	485.08	1/2	142.85	1/2		1/2	
3/4	2,514.64	3/4	2,172.84	3/4	1,831.04	3/4	1,489.24	3/4	1,147.44	3/4	819.09	3/4	477.96	3/4	135.71	3/4		3/4	
8	2,507.52	8	2,165.72	8	1,823.92	8	1,482.12	8	1,140.32	8	812.23	8	470.83	8	128.58	8		8	
1/4	2,500.40	1/4	2,158.60	1/4	1,816.80	1/4	1,475.00	1/4	1,133.20	1/4	805.23	1/4	463.71	1/4	121.45	1/4		1/4	
1/2	2,493.28	1/2	2,151.48	1/2	1,809.68	1/2	1,467.88	1/2	1,126.08	1/2	798.22	1/2	456.59	1/2	114.33	1/2		1/2	
3/4	2,486.16	3/4	2,144.36	3/4	1,802.56	3/4	1,460.76	3/4	1,118.96	3/4	791.21	3/4	449.47	3/4	107.20	3/4		3/4	
9	2,479.03	9	2,137.24	9	1,795.44	9	1,453.64	9	1,112.30	9	784.21	9	442.35	9	100.07	9		9	
1/4	2,471.91	1/4	2,130.12	1/4	1,788.32	1/4	1,446.52	1/4	1,105.18	1/4	777.09	1/4	435.22	1/4	92.96	1/4		1/4	
1/2	2,464.79	1/2	2,122.99	1/2	1,781.20	1/2	1,439.40	1/2	1,098.06	1/2	769.96	1/2	428.10	1/2	85.85	1/2		1/2	
3/4	2,457.67	3/4	2,115.87	3/4	1,774.08	3/4	1,432.28	3/4	1,091.74	3/4	762.84	3/4	420.98	3/4	78.74	3/4		3/4	
10	2,450.55	10	2,108.75	10	1,766.95	10	1,425.16	10	1,084.89	10	755.72	10	413.86	10	71.63	10		10	
1/4	2,443.43	1/4	2,101.63	1/4	1,759.83	1/4	1,418.04	1/4	1,077.77	1/4	748.60	1/4	406.74	1/4	64.56	1/4		1/4	
1/2	2,436.31	1/2	2,094.51	1/2	1,752.71	1/2	1,410.91	1/2	1,070.64	1/2	741.47	1/2	399.61	1/2	57.45	1/2		1/2	
3/4	2,429.19	3/4	2,087.39	3/4	1,745.59	3/4	1,403.79	3/4	1,063.51	3/4	734.35	3/4	392.49	3/4	50.34	3/4		3/4	
11	2,422.07	11	2,080.27	11	1,738.47	11	1,396.67	11	1,056.38	11	727.23	11	385.37	11	43.23	11		11	
1/4	2,414.95	1/4	2,073.15	1/4	1,731.35	1/4	1,389.55	1/4	1,049.25	1/4	720.11	1/4	378.24	1/4	36.12	1/4		1/4	
1/2	2,407.83	1/2	2,066.03	1/2	1,724.23	1/2	1,382.43	1/2	1,042.12	1/2	712.99	1/2	371.11	1/2	29.01	1/2		1/2	
3/4	2,400.71	3/4	2,058.91	3/4	1,717.11	3/4	1,375.31	3/4	1,035.00	3/4	705.86	3/4	363.99	3/4	21.90	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 1/7/2021 CL
CALCULATED: 1/8/2021 CL
PRINTED: 1/8/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 1/2021



BARGE "MPX 412"

3 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,412.04	0	4,245.90	0	4,037.06	0	3,827.74	0	3,617.98	0	3,408.22	0	3,098.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,410.97	1/4	4,241.55	1/4	4,032.71	1/4	3,823.37	1/4	3,613.61	1/4	3,403.85	1/4	3,090.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,409.26	1/2	4,237.20	1/2	4,028.36	1/2	3,819.00	1/2	3,609.24	1/2	3,399.50	1/2	3,083.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,407.55	3/4	4,232.85	3/4	4,024.00	3/4	3,814.63	3/4	3,604.87	3/4	3,395.15	3/4	3,076.70
1		1		1		1	4,405.84	1	4,228.50	1	4,019.65	1	3,810.26	1	3,600.50	1	3,390.80	1	3,069.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,404.14	1/4	4,224.15	1/4	4,015.30	1/4	3,805.89	1/4	3,596.13	1/4	3,386.44	1/4	3,062.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,402.43	1/2	4,219.80	1/2	4,010.95	1/2	3,801.52	1/2	3,591.76	1/2	3,382.11	1/2	3,055.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,400.72	3/4	4,215.44	3/4	4,006.60	3/4	3,797.15	3/4	3,587.39	3/4	3,377.78	3/4	3,048.27
2		2		2		2	4,399.02	2	4,211.09	2	4,002.25	2	3,792.78	2	3,583.02	2	3,373.44	2	3,041.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,397.31	1/4	4,206.74	1/4	3,997.90	1/4	3,788.41	1/4	3,578.65	1/4	3,369.11	1/4	3,034.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,395.33	1/2	4,202.39	1/2	3,993.55	1/2	3,784.04	1/2	3,574.28	1/2	3,363.39	1/2	3,026.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,393.36	3/4	4,198.04	3/4	3,989.20	3/4	3,779.67	3/4	3,569.91	3/4	3,357.68	3/4	3,019.84
3		3		3		3	4,391.38	3	4,193.69	3	3,984.85	3	3,775.30	3	3,565.54	3	3,351.97	3	3,012.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,389.40	1/4	4,189.34	1/4	3,980.50	1/4	3,770.93	1/4	3,561.17	1/4	3,346.26	1/4	3,005.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,386.56	1/2	4,184.99	1/2	3,976.15	1/2	3,766.56	1/2	3,556.80	1/2	3,339.17	1/2	2,998.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,383.73	3/4	4,180.64	3/4	3,971.79	3/4	3,762.19	3/4	3,552.43	3/4	3,332.08	3/4	2,991.41
4		4		4		4	4,380.89	4	4,176.29	4	3,967.44	4	3,757.82	4	3,548.06	4	3,324.99	4	2,984.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,378.05	1/4	4,171.94	1/4	3,963.09	1/4	3,753.45	1/4	3,543.69	1/4	3,317.90	1/4	2,977.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,374.20	1/2	4,167.58	1/2	3,958.74	1/2	3,749.08	1/2	3,539.32	1/2	3,310.81	1/2	2,970.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,370.36	3/4	4,163.23	3/4	3,954.39	3/4	3,744.71	3/4	3,534.95	3/4	3,303.72	3/4	2,962.98
5		5		5		5	4,366.52	5	4,158.88	5	3,950.04	5	3,740.34	5	3,530.58	5	3,296.63	5	2,955.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,362.67	1/4	4,154.53	1/4	3,945.69	1/4	3,735.97	1/4	3,526.21	1/4	3,289.54	1/4	2,948.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,358.39	1/2	4,150.18	1/2	3,941.33	1/2	3,731.60	1/2	3,521.84	1/2	3,282.45	1/2	2,941.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,354.11	3/4	4,145.83	3/4	3,936.97	3/4	3,727.23	3/4	3,517.47	3/4	3,275.36	3/4	2,934.56
6		6		6		6	4,349.83	6	4,141.48	6	3,932.61	6	3,722.86	6	3,513.10	6	3,268.27	6	2,927.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,345.54	1/4	4,137.13	1/4	3,928.25	1/4	3,718.49	1/4	3,508.73	1/4	3,261.18	1/4	2,920.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,341.23	1/2	4,132.78	1/2	3,923.88	1/2	3,714.12	1/2	3,504.36	1/2	3,254.09	1/2	2,913.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,336.92	3/4	4,128.43	3/4	3,919.51	3/4	3,709.75	3/4	3,499.99	3/4	3,247.00	3/4	2,906.13
7		7		7		7	4,332.60	7	4,124.08	7	3,915.14	7	3,705.38	7	3,495.62	7	3,239.91	7	2,899.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,328.29	1/4	4,119.72	1/4	3,910.77	1/4	3,701.01	1/4	3,491.25	1/4	3,232.82	1/4	2,891.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,323.97	1/2	4,115.37	1/2	3,906.40	1/2	3,696.64	1/2	3,486.88	1/2	3,225.73	1/2	2,884.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,319.64	3/4	4,111.02	3/4	3,902.03	3/4	3,692.27	3/4	3,482.51	3/4	3,218.64	3/4	2,877.70
8		8		8		8	4,315.32	8	4,106.67	8	3,897.66	8	3,687.90	8	3,478.14	8	3,211.55	8	2,870.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,311.00	1/4	4,102.32	1/4	3,893.29	1/4	3,683.53	1/4	3,473.77	1/4	3,204.46	1/4	2,863.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,306.68	1/2	4,097.97	1/2	3,888.92	1/2	3,679.16	1/2	3,469.40	1/2	3,197.37	1/2	2,856.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,302.35	3/4	4,093.62	3/4	3,884.55	3/4	3,674.79	3/4	3,465.03	3/4	3,190.28	3/4	2,849.27
9		9		9		9	4,298.03	9	4,089.27	9	3,880.18	9	3,670.42	9	3,460.66	9	3,183.19	9	2,842.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,293.71	1/4	4,084.92	1/4	3,875.81	1/4	3,666.05	1/4	3,456.29	1/4	3,176.10	1/4	2,835.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,289.37	1/2	4,080.57	1/2	3,871.44	1/2	3,661.68	1/2	3,451.92	1/2	3,169.01	1/2	2,827.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,285.03	3/4	4,076.22	3/4	3,867.07	3/4	3,657.31	3/4	3,447.55	3/4	3,161.92	3/4	2,820.84
10		10		10		10	4,280.69	10	4,071.86	10	3,862.70	10	3,652.94	10	3,443.18	10	3,154.83	10	2,813.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,276.36	1/4	4,067.51	1/4	3,858.33	1/4	3,648.57	1/4	3,438.81	1/4	3,147.74	1/4	2,806.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,272.01	1/2	4,063.16	1/2	3,853.96	1/2	3,644.20	1/2	3,434.44	1/2	3,140.64	1/2	2,799.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,267.66	3/4	4,058.81	3/4	3,849.59	3/4	3,639.83	3/4	3,430.07	3/4	3,133.54	3/4	2,792.41
11		11		11		11	4,263.30	11	4,054.46	11	3,845.22	11	3,635.46	11	3,425.70	11	3,126.44	11	2,785.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,258.95	1/4	4,050.11	1/4	3,840.85	1/4	3,631.09	1/4	3,421.33	1/4	3,119.35	1/4	2,778.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,254.60	1/2	4,045.76	1/2	3,836.48	1/2	3,626.72	1/2	3,416.96	1/2	3,112.24	1/2	2,771.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,250.25	3/4	4,041.41	3/4	3,832.11	3/4	3,622.35	3/4	3,412.59	3/4	3,105.13	3/4	2,763.98

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 LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 412"

3 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,756.87	0	2,415.17	0	2,073.15	0	1,731.13	0	1,389.11	0	1,047.18	0	705.57	0	363.56	0	28.87	0	
1/4	2,749.77	1/4	2,408.04	1/4	2,066.02	1/4	1,724.01	1/4	1,381.99	1/4	1,040.07	1/4	698.44	1/4	356.43	1/4	23.53	1/4	
1/2	2,742.66	1/2	2,400.92	1/2	2,058.90	1/2	1,716.88	1/2	1,374.86	1/2	1,032.96	1/2	691.32	1/2	349.31	1/2	19.96	1/2	
3/4	2,735.55	3/4	2,393.79	3/4	2,051.77	3/4	1,709.75	3/4	1,367.74	3/4	1,025.85	3/4	684.19	3/4	342.18	3/4	16.40	3/4	
1	2,728.44	1	2,386.67	1	2,044.65	1	1,702.63	1	1,360.61	1	1,018.74	1	677.07	1	335.06	1	12.84	1	
1/4	2,721.34	1/4	2,379.54	1/4	2,037.52	1/4	1,695.50	1/4	1,353.48	1/4	1,011.63	1/4	669.94	1/4	327.93	1/4	9.28	1/4	
1/2	2,714.23	1/2	2,372.42	1/2	2,030.40	1/2	1,688.38	1/2	1,346.36	1/2	1,004.52	1/2	662.82	1/2	320.81	1/2	7.49	1/2	
3/4	2,707.12	3/4	2,365.29	3/4	2,023.27	3/4	1,681.25	3/4	1,339.23	3/4	997.40	3/4	655.69	3/4	313.68	3/4	5.71	3/4	
2	2,700.01	2	2,358.17	2	2,016.15	2	1,674.13	2	1,332.11	2	990.29	2	648.57	2	306.56	2	3.93	2	
1/4	2,692.91	1/4	2,351.04	1/4	2,009.02	1/4	1,667.00	1/4	1,324.98	1/4	983.18	1/4	641.44	1/4	299.43	1/4	2.15	1/4	
1/2	2,685.80	1/2	2,343.91	1/2	2,001.90	1/2	1,659.88	1/2	1,317.86	1/2	976.07	1/2	634.32	1/2	292.31	1/2		1/2	
3/4	2,678.69	3/4	2,336.79	3/4	1,994.77	3/4	1,652.75	3/4	1,310.73	3/4	968.96	3/4	627.19	3/4	285.18	3/4		3/4	
3	2,671.59	3	2,329.66	3	1,987.64	3	1,645.63	3	1,303.61	3	961.85	3	620.06	3	278.06	3		3	
1/4	2,664.48	1/4	2,322.54	1/4	1,980.52	1/4	1,638.50	1/4	1,296.48	1/4	954.74	1/4	612.94	1/4	270.93	1/4		1/4	
1/2	2,657.37	1/2	2,315.41	1/2	1,973.39	1/2	1,631.38	1/2	1,289.36	1/2	947.62	1/2	605.81	1/2	263.80	1/2		1/2	
3/4	2,650.26	3/4	2,308.29	3/4	1,966.27	3/4	1,624.25	3/4	1,282.23	3/4	940.51	3/4	598.69	3/4	256.68	3/4		3/4	
4	2,643.16	4	2,301.16	4	1,959.14	4	1,617.12	4	1,275.11	4	933.40	4	591.56	4	249.55	4		4	
1/4	2,636.05	1/4	2,294.04	1/4	1,952.02	1/4	1,610.00	1/4	1,267.98	1/4	926.29	1/4	584.44	1/4	242.43	1/4		1/4	
1/2	2,628.93	1/2	2,286.91	1/2	1,944.89	1/2	1,602.87	1/2	1,260.85	1/2	919.18	1/2	577.31	1/2	235.30	1/2		1/2	
3/4	2,621.82	3/4	2,279.79	3/4	1,937.77	3/4	1,595.75	3/4	1,253.73	3/4	912.07	3/4	570.19	3/4	228.18	3/4		3/4	
5	2,614.70	5	2,272.66	5	1,930.64	5	1,588.62	5	1,246.60	5	904.96	5	563.06	5	221.05	5		5	
1/4	2,607.58	1/4	2,265.54	1/4	1,923.52	1/4	1,581.50	1/4	1,239.48	1/4	897.85	1/4	555.94	1/4	213.93	1/4		1/4	
1/2	2,600.46	1/2	2,258.41	1/2	1,916.39	1/2	1,574.37	1/2	1,232.35	1/2	890.73	1/2	548.81	1/2	206.80	1/2		1/2	
3/4	2,593.33	3/4	2,251.28	3/4	1,909.27	3/4	1,567.25	3/4	1,225.23	3/4	883.62	3/4	541.69	3/4	199.68	3/4		3/4	
6	2,586.20	6	2,244.16	6	1,902.14	6	1,560.12	6	1,218.10	6	876.51	6	534.56	6	192.55	6		6	
1/4	2,579.08	1/4	2,237.03	1/4	1,895.01	1/4	1,553.00	1/4	1,210.98	1/4	869.40	1/4	527.44	1/4	185.43	1/4		1/4	
1/2	2,571.95	1/2	2,229.91	1/2	1,887.89	1/2	1,545.87	1/2	1,203.85	1/2	862.29	1/2	520.31	1/2	178.30	1/2		1/2	
3/4	2,564.82	3/4	2,222.78	3/4	1,880.76	3/4	1,538.74	3/4	1,196.73	3/4	855.17	3/4	513.19	3/4	171.18	3/4		3/4	
7	2,557.70	7	2,215.66	7	1,873.64	7	1,531.62	7	1,189.60	7	848.05	7	506.06	7	164.05	7		7	
1/4	2,550.57	1/4	2,208.53	1/4	1,866.51	1/4	1,524.49	1/4	1,182.47	1/4	840.94	1/4	498.94	1/4	156.93	1/4		1/4	
1/2	2,543.45	1/2	2,201.41	1/2	1,859.39	1/2	1,517.37	1/2	1,175.35	1/2	833.82	1/2	491.81	1/2	149.80	1/2		1/2	
3/4	2,536.32	3/4	2,194.28	3/4	1,852.26	3/4	1,510.24	3/4	1,168.22	3/4	826.69	3/4	484.69	3/4	142.68	3/4		3/4	
8	2,529.19	8	2,187.16	8	1,845.14	8	1,503.12	8	1,161.10	8	819.57	8	477.56	8	135.55	8		8	
1/4	2,522.07	1/4	2,180.03	1/4	1,838.01	1/4	1,495.99	1/4	1,153.97	1/4	812.45	1/4	470.44	1/4	128.43	1/4		1/4	
1/2	2,514.94	1/2	2,172.91	1/2	1,830.89	1/2	1,488.87	1/2	1,146.85	1/2	805.32	1/2	463.31	1/2	121.31	1/2		1/2	
3/4	2,507.81	3/4	2,165.78	3/4	1,823.76	3/4	1,481.74	3/4	1,139.72	3/4	798.19	3/4	456.19	3/4	114.19	3/4		3/4	
9	2,500.68	9	2,158.65	9	1,816.64	9	1,474.62	9	1,132.60	9	791.07	9	449.06	9	107.07	9		9	
1/4	2,493.55	1/4	2,151.53	1/4	1,809.51	1/4	1,467.49	1/4	1,125.47	1/4	783.94	1/4	441.93	1/4	99.95	1/4		1/4	
1/2	2,486.42	1/2	2,144.40	1/2	1,802.38	1/2	1,460.37	1/2	1,118.35	1/2	776.82	1/2	434.81	1/2	92.85	1/2		1/2	
3/4	2,479.30	3/4	2,137.28	3/4	1,795.26	3/4	1,453.24	3/4	1,111.23	3/4	769.69	3/4	427.68	3/4	85.75	3/4		3/4	
10	2,472.17	10	2,130.15	10	1,788.13	10	1,446.11	10	1,104.10	10	762.57	10	420.56	10	78.65	10		10	
1/4	2,465.05	1/4	2,123.03	1/4	1,781.01	1/4	1,438.99	1/4	1,096.98	1/4	755.44	1/4	413.43	1/4	71.54	1/4		1/4	
1/2	2,457.92	1/2	2,115.90	1/2	1,773.88	1/2	1,431.86	1/2	1,089.87	1/2	748.32	1/2	406.31	1/2	64.88	1/2		1/2	
3/4	2,450.80	3/4	2,108.78	3/4	1,766.76	3/4	1,424.74	3/4	1,082.75	3/4	741.19	3/4	399.18	3/4	58.22	3/4		3/4	
11	2,443.67	11	2,101.65	11	1,759.63	11	1,417.61	11	1,075.63	11	734.07	11	392.06	11	51.56	11		11	
1/4	2,436.55	1/4	2,094.53	1/4	1,752.51	1/4	1,410.49	1/4	1,068.52	1/4	726.94	1/4	384.93	1/4	44.90	1/4		1/4	
1/2	2,429.42	1/2	2,087.40	1/2	1,745.38	1/2	1,403.36	1/2	1,061.41	1/2	719.82	1/2	377.81	1/2	39.56	1/2		1/2	
3/4	2,422.29	3/4	2,080.28	3/4	1,738.26	3/4	1,396.24	3/4	1,054.30	3/4	712.69	3/4	370.68	3/4	34.21	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 1/7/2021 CL
CALCULATED: 1/8/2021 CL
PRINTED: 1/8/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 1/2021



BARGE "MPX 412"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-06 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,112	0	2,223	0	3,335	0	4,447	0	5,558	0		0		0		0	
1/4	23	1/4	1,135	1/4	2,246	1/4	3,358	1/4	4,470	1/4	5,581	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46	1/2	1,158	1/2	2,270	1/2	3,381	1/2	4,493	1/2	5,605	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69	3/4	1,181	3/4	2,293	3/4	3,404	3/4	4,516	3/4	5,627	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	93	1	1,204	1	2,316	1	3,428	1	4,539	1	5,650	1	1	1	1	1	1	1	1
1/4	116	1/4	1,227	1/4	2,339	1/4	3,451	1/4	4,562	1/4	5,671	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	139	1/2	1,251	1/2	2,362	1/2	3,474	1/2	4,586	1/2	5,692	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162	3/4	1,274	3/4	2,385	3/4	3,497	3/4	4,609	3/4	5,713	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	185	2	1,297	2	2,409	2	3,520	2	4,632	2	5,734	2	2	2	2	2	2	2	2
1/4	208	1/4	1,320	1/4	2,432	1/4	3,543	1/4	4,655	1/4	5,755	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	232	1/2	1,343	1/2	2,455	1/2	3,567	1/2	4,678	1/2	5,776	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	255	3/4	1,366	3/4	2,478	3/4	3,590	3/4	4,701	3/4	5,797	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	278	3	1,390	3	2,501	3	3,613	3	4,724	3	5,818	3	3	3	3	3	3	3	3
1/4	301	1/4	1,413	1/4	2,524	1/4	3,636	1/4	4,748	1/4	5,839	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	324	1/2	1,436	1/2	2,548	1/2	3,659	1/2	4,771	1/2	5,860	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	347	3/4	1,459	3/4	2,571	3/4	3,682	3/4	4,794	3/4	5,881	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	371	4	1,482	4	2,594	4	3,705	4	4,817	4	5,902	4	4	4	4	4	4	4	4
1/4	394	1/4	1,505	1/4	2,617	1/4	3,729	1/4	4,840	1/4	5,923	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	417	1/2	1,529	1/2	2,640	1/2	3,752	1/2	4,863	1/2	5,944	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	440	3/4	1,552	3/4	2,663	3/4	3,775	3/4	4,887	3/4	5,965	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	463	5	1,575	5	2,686	5	3,798	5	4,910	5	5,986	5	5	5	5	5	5	5	5
1/4	486	1/4	1,598	1/4	2,710	1/4	3,821	1/4	4,933	1/4	6,007	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	510	1/2	1,621	1/2	2,733	1/2	3,844	1/2	4,956	1/2	6,028	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	533	3/4	1,644	3/4	2,756	3/4	3,868	3/4	4,979	3/4	6,049	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	556	6	1,667	6	2,779	6	3,891	6	5,002	6	6,070	6	6	6	6	6	6	6	6
1/4	579	1/4	1,691	1/4	2,802	1/4	3,914	1/4	5,026	1/4	6,091	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	602	1/2	1,714	1/2	2,825	1/2	3,937	1/2	5,049	1/2	6,112	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	625	3/4	1,737	3/4	2,849	3/4	3,960	3/4	5,072	3/4	6,133	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	648	7	1,760	7	2,872	7	3,983	7	5,095	7	6,154	7	7	7	7	7	7	7	7
1/4	672	1/4	1,783	1/4	2,895	1/4	4,007	1/4	5,118	1/4	6,175	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	695	1/2	1,806	1/2	2,918	1/2	4,030	1/2	5,141	1/2	6,196	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	718	3/4	1,830	3/4	2,941	3/4	4,053	3/4	5,165	3/4	6,217	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	741	8	1,853	8	2,964	8	4,076	8	5,188	8	6,238	8	8	8	8	8	8	8	8
1/4	764	1/4	1,876	1/4	2,988	1/4	4,099	1/4	5,211	1/4	6,259	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	787	1/2	1,899	1/2	3,011	1/2	4,122	1/2	5,234	1/2	6,280	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	811	3/4	1,922	3/4	3,034	3/4	4,146	3/4	5,257	3/4	6,301	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	834	9	1,945	9	3,057	9	4,169	9	5,280	9	6,322	9	9	9	9	9	9	9	9
1/4	857	1/4	1,969	1/4	3,080	1/4	4,192	1/4	5,303	1/4	6,343	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	880	1/2	1,992	1/2	3,103	1/2	4,215	1/2	5,327	1/2	6,364	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	903	3/4	2,015	3/4	3,127	3/4	4,238	3/4	5,350	3/4	6,385	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	926	10	2,038	10	3,150	10	4,261	10	5,373	10	6,406	10	10	10	10	10	10	10	10
1/4	950	1/4	2,061	1/4	3,173	1/4	4,284	1/4	5,396	1/4	6,427	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	973	1/2	2,084	1/2	3,196	1/2	4,308	1/2	5,419	1/2	6,448	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	996	3/4	2,107	3/4	3,219	3/4	4,331	3/4	5,442	3/4	6,469	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,019	11	2,131	11	3,242	11	4,354	11	5,466	11	6,490	11	11	11	11	11	11	11	11
1/4	1,042	1/4	2,154	1/4	3,265	1/4	4,377	1/4	5,489	1/4	6,511	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,065	1/2	2,177	1/2	3,289	1/2	4,400	1/2	5,512	1/2	6,532	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,088	3/4	2,200	3/4	3,312	3/4	4,423	3/4	5,535	3/4	6,553	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 2" DIAMETER "HERMETIC" VALVE.

STRAPPED: 1/7/2021 CL
 CALCULATED: 1/8/2021 CL
 PRINTED: 1/8/2021 JS

CANCELS AND SUPERCEDES
 ALL PRIOR TO 1/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 412"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-06 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,100	0	2,200	0	3,301	0	4,401	0	5,501	0		0		0		0	
1/4	23	1/4	1,123	1/4	2,223	1/4	3,324	1/4	4,424	1/4	5,524	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46	1/2	1,146	1/2	2,246	1/2	3,347	1/2	4,447	1/2	5,547	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69	3/4	1,169	3/4	2,269	3/4	3,369	3/4	4,470	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	92	1	1,192	1	2,292	1	3,392	1	4,493	1		1	1	1	1	1	1	1	1
1/4	115	1/4	1,215	1/4	2,315	1/4	3,415	1/4	4,516	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	138	1/2	1,238	1/2	2,338	1/2	3,438	1/2	4,538	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160	3/4	1,261	3/4	2,361	3/4	3,461	3/4	4,561	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	183	2	1,284	2	2,384	2	3,484	2	4,584	2		2	2	2	2	2	2	2	2
1/4	206	1/4	1,307	1/4	2,407	1/4	3,507	1/4	4,607	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	229	1/2	1,329	1/2	2,430	1/2	3,530	1/2	4,630	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	252	3/4	1,352	3/4	2,453	3/4	3,553	3/4	4,653	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	275	3	1,375	3	2,476	3	3,576	3	4,676	3		3	3	3	3	3	3	3	3
1/4	298	1/4	1,398	1/4	2,498	1/4	3,599	1/4	4,699	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	321	1/2	1,421	1/2	2,521	1/2	3,622	1/2	4,722	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	344	3/4	1,444	3/4	2,544	3/4	3,645	3/4	4,745	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	367	4	1,467	4	2,567	4	3,667	4	4,768	4		4	4	4	4	4	4	4	4
1/4	390	1/4	1,490	1/4	2,590	1/4	3,690	1/4	4,791	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	413	1/2	1,513	1/2	2,613	1/2	3,713	1/2	4,814	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	436	3/4	1,536	3/4	2,636	3/4	3,736	3/4	4,836	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	458	5	1,559	5	2,659	5	3,759	5	4,859	5		5	5	5	5	5	5	5	5
1/4	481	1/4	1,582	1/4	2,682	1/4	3,782	1/4	4,882	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	504	1/2	1,605	1/2	2,705	1/2	3,805	1/2	4,905	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	527	3/4	1,627	3/4	2,728	3/4	3,828	3/4	4,928	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	550	6	1,650	6	2,751	6	3,851	6	4,951	6		6	6	6	6	6	6	6	6
1/4	573	1/4	1,673	1/4	2,774	1/4	3,874	1/4	4,974	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	596	1/2	1,696	1/2	2,796	1/2	3,897	1/2	4,997	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	619	3/4	1,719	3/4	2,819	3/4	3,920	3/4	5,020	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	642	7	1,742	7	2,842	7	3,943	7	5,043	7		7	7	7	7	7	7	7	7
1/4	665	1/4	1,765	1/4	2,865	1/4	3,965	1/4	5,066	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	688	1/2	1,788	1/2	2,888	1/2	3,988	1/2	5,089	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	711	3/4	1,811	3/4	2,911	3/4	4,011	3/4	5,112	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	733	8	1,834	8	2,934	8	4,034	8	5,134	8		8	8	8	8	8	8	8	8
1/4	756	1/4	1,857	1/4	2,957	1/4	4,057	1/4	5,157	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	779	1/2	1,880	1/2	2,980	1/2	4,080	1/2	5,180	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	802	3/4	1,903	3/4	3,003	3/4	4,103	3/4	5,203	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	825	9	1,925	9	3,026	9	4,126	9	5,226	9		9	9	9	9	9	9	9	9
1/4	848	1/4	1,948	1/4	3,049	1/4	4,149	1/4	5,249	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	871	1/2	1,971	1/2	3,072	1/2	4,172	1/2	5,272	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	894	3/4	1,994	3/4	3,094	3/4	4,195	3/4	5,295	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	917	10	2,017	10	3,117	10	4,218	10	5,318	10		10	10	10	10	10	10	10	10
1/4	940	1/4	2,040	1/4	3,140	1/4	4,241	1/4	5,341	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	963	1/2	2,063	1/2	3,163	1/2	4,263	1/2	5,364	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	986	3/4	2,086	3/4	3,186	3/4	4,286	3/4	5,387	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,009	11	2,109	11	3,209	11	4,309	11	5,410	11		11	11	11	11	11	11	11	11
1/4	1,031	1/4	2,132	1/4	3,232	1/4	4,332	1/4	5,432	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,054	1/2	2,155	1/2	3,255	1/2	4,355	1/2	5,455	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,077	3/4	2,178	3/4	3,278	3/4	4,378	3/4	5,478	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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STRAPPED: 1/7/2021 CL
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CANCELS AND SUPERCEDES
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BARGE "MPX 412"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	101	0	259	0	416	0	517	0		0		0		0		0	
1/4	1	1/4	104	1/4	262	1/4	419	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	107	1/2	265	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	110	3/4	269	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	113	1	272	1	428	1	1	1	1	1	1	1	1	1	1	1	1
1/4	4	1/4	116	1/4	276	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	119	1/2	279	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	122	3/4	282	3/4	436	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	125	2	286	2	439	2	2	2	2	2	2	2	2	2	2	2	2
1/4	9	1/4	129	1/4	289	1/4	442	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	132	1/2	293	1/2	444	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	135	3/4	296	3/4	447	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	138	3	300	3	450	3	3	3	3	3	3	3	3	3	3	3	3
1/4	15	1/4	141	1/4	303	1/4	453	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	144	1/2	306	1/2	455	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	148	3/4	310	3/4	458	3/4		3/4		3/4		3/4		3/4		3/4	
4	21	4	151	4	313	4	460	4	4	4	4	4	4	4	4	4	4	4	4
1/4	23	1/4	154	1/4	316	1/4	463	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	25	1/2	157	1/2	320	1/2	465	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	161	3/4	323	3/4	468	3/4		3/4		3/4		3/4		3/4		3/4	
5	29	5	164	5	327	5	470	5	5	5	5	5	5	5	5	5	5	5	5
1/4	31	1/4	167	1/4	330	1/4	473	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	170	1/2	333	1/2	475	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	174	3/4	337	3/4	477	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	177	6	340	6	480	6	6	6	6	6	6	6	6	6	6	6	6
1/4	40	1/4	180	1/4	343	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	184	1/2	347	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	187	3/4	350	3/4	486	3/4		3/4		3/4		3/4		3/4		3/4	
7	47	7	190	7	353	7	488	7	7	7	7	7	7	7	7	7	7	7	7
1/4	49	1/4	194	1/4	356	1/4	490	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	52	1/2	197	1/2	360	1/2	492	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	201	3/4	363	3/4	494	3/4		3/4		3/4		3/4		3/4		3/4	
8	57	8	204	8	366	8	496	8	8	8	8	8	8	8	8	8	8	8	8
1/4	59	1/4	207	1/4	369	1/4	498	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	211	1/2	373	1/2	500	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	214	3/4	376	3/4	502	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	217	9	379	9	504	9	9	9	9	9	9	9	9	9	9	9	9
1/4	70	1/4	221	1/4	382	1/4	505	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	73	1/2	224	1/2	385	1/2	507	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	228	3/4	388	3/4	508	3/4		3/4		3/4		3/4		3/4		3/4	
10	78	10	231	10	392	10	510	10	10	10	10	10	10	10	10	10	10	10	10
1/4	81	1/4	235	1/4	395	1/4	511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	84	1/2	238	1/2	398	1/2	512	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	87	3/4	241	3/4	401	3/4	513	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	245	11	404	11	514	11	11	11	11	11	11	11	11	11	11	11	11
1/4	92	1/4	248	1/4	407	1/4	515	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	252	1/2	410	1/2	516	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	255	3/4	413	3/4	516	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" STANDPIPE

STRAPPED: 1/7/2021 CL
CALCULATED: 1/8/2021 CL
PRINTED: 1/8/2021 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 1/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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