



BARGE "MPX 416"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-07 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	1,107	0	2,213	0	3,320	0	4,426	0	5,533	0		0		0		0	
1/4	23	1/4	1,130	1/4	2,236	1/4	3,343	1/4	4,449	1/4	5,556	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46	1/2	1,153	1/2	2,259	1/2	3,366	1/2	4,472	1/2	5,579	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69	3/4	1,176	3/4	2,282	3/4	3,389	3/4	4,495	3/4	5,602	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	92	1	1,199	1	2,305	1	3,412	1	4,518	1	5,625	1	1	1	1	1	1	1	1
1/4	115	1/4	1,222	1/4	2,328	1/4	3,435	1/4	4,541	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	138	1/2	1,245	1/2	2,351	1/2	3,458	1/2	4,564	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161	3/4	1,268	3/4	2,374	3/4	3,481	3/4	4,587	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	184	2	1,291	2	2,397	2	3,504	2	4,610	2	2	2	2	2	2	2	2	2	2
1/4	207	1/4	1,314	1/4	2,421	1/4	3,527	1/4	4,634	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	231	1/2	1,337	1/2	2,444	1/2	3,550	1/2	4,657	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	254	3/4	1,360	3/4	2,467	3/4	3,573	3/4	4,680	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	277	3	1,383	3	2,490	3	3,596	3	4,703	3	3	3	3	3	3	3	3	3	3
1/4	300	1/4	1,406	1/4	2,513	1/4	3,619	1/4	4,726	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	323	1/2	1,429	1/2	2,536	1/2	3,642	1/2	4,749	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	346	3/4	1,452	3/4	2,559	3/4	3,665	3/4	4,772	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	369	4	1,475	4	2,582	4	3,688	4	4,795	4	4	4	4	4	4	4	4	4	4
1/4	392	1/4	1,498	1/4	2,605	1/4	3,711	1/4	4,818	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	415	1/2	1,521	1/2	2,628	1/2	3,734	1/2	4,841	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	438	3/4	1,545	3/4	2,651	3/4	3,758	3/4	4,864	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	461	5	1,568	5	2,674	5	3,781	5	4,887	5	5	5	5	5	5	5	5	5	5
1/4	484	1/4	1,591	1/4	2,697	1/4	3,804	1/4	4,910	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	507	1/2	1,614	1/2	2,720	1/2	3,827	1/2	4,933	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	530	3/4	1,637	3/4	2,743	3/4	3,850	3/4	4,956	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	553	6	1,660	6	2,766	6	3,873	6	4,979	6	6	6	6	6	6	6	6	6	6
1/4	576	1/4	1,683	1/4	2,789	1/4	3,896	1/4	5,002	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	599	1/2	1,706	1/2	2,812	1/2	3,919	1/2	5,025	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	622	3/4	1,729	3/4	2,835	3/4	3,942	3/4	5,048	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	645	7	1,752	7	2,858	7	3,965	7	5,072	7	7	7	7	7	7	7	7	7	7
1/4	669	1/4	1,775	1/4	2,882	1/4	3,988	1/4	5,095	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	692	1/2	1,798	1/2	2,905	1/2	4,011	1/2	5,118	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	715	3/4	1,821	3/4	2,928	3/4	4,034	3/4	5,141	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	738	8	1,844	8	2,951	8	4,057	8	5,164	8	8	8	8	8	8	8	8	8	8
1/4	761	1/4	1,867	1/4	2,974	1/4	4,080	1/4	5,187	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	784	1/2	1,890	1/2	2,997	1/2	4,103	1/2	5,210	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	807	3/4	1,913	3/4	3,020	3/4	4,126	3/4	5,233	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	830	9	1,936	9	3,043	9	4,149	9	5,256	9	9	9	9	9	9	9	9	9	9
1/4	853	1/4	1,959	1/4	3,066	1/4	4,172	1/4	5,279	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	876	1/2	1,983	1/2	3,089	1/2	4,196	1/2	5,302	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	899	3/4	2,006	3/4	3,112	3/4	4,219	3/4	5,325	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	922	10	2,029	10	3,135	10	4,242	10	5,348	10	10	10	10	10	10	10	10	10	10
1/4	945	1/4	2,052	1/4	3,158	1/4	4,265	1/4	5,371	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	968	1/2	2,075	1/2	3,181	1/2	4,288	1/2	5,394	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	991	3/4	2,098	3/4	3,204	3/4	4,311	3/4	5,417	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,014	11	2,121	11	3,227	11	4,334	11	5,440	11	11	11	11	11	11	11	11	11	11
1/4	1,037	1/4	2,144	1/4	3,250	1/4	4,357	1/4	5,463	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,060	1/2	2,167	1/2	3,273	1/2	4,380	1/2	5,486	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,083	3/4	2,190	3/4	3,296	3/4	4,403	3/4	5,510	3/4	3/4	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: 03/03/2021 CL
 CALCULATED: 03/04/2021 CL
 PRINTED: 03/04/2021 JS

CANCELS AND SUPERCEDES
 ALL PRIOR TO 03/2021

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 416"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-07"

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	1,103	0	2,207	0	3,310	0	4,414	0	5,517	0		0		0		0	
1/4	23	1/4	1,126	1/4	2,230	1/4	3,333	1/4	4,437	1/4	5,540	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46	1/2	1,149	1/2	2,253	1/2	3,356	1/2	4,460	1/2	5,563	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69	3/4	1,172	3/4	2,276	3/4	3,379	3/4	4,483	3/4	5,586	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	92	1	1,195	1	2,299	1	3,402	1	4,506	1	5,609	1	1	1	1	1	1	1	1
1/4	115	1/4	1,218	1/4	2,322	1/4	3,425	1/4	4,529	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	138	1/2	1,241	1/2	2,345	1/2	3,448	1/2	4,552	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161	3/4	1,264	3/4	2,368	3/4	3,471	3/4	4,575	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	184	2	1,287	2	2,391	2	3,494	2	4,598	2	2	2	2	2	2	2	2	2	2
1/4	207	1/4	1,310	1/4	2,414	1/4	3,517	1/4	4,621	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	230	1/2	1,333	1/2	2,437	1/2	3,540	1/2	4,644	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	253	3/4	1,356	3/4	2,460	3/4	3,563	3/4	4,667	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	276	3	1,379	3	2,483	3	3,586	3	4,690	3	3	3	3	3	3	3	3	3	3
1/4	299	1/4	1,402	1/4	2,506	1/4	3,609	1/4	4,713	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	322	1/2	1,425	1/2	2,529	1/2	3,632	1/2	4,736	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	345	3/4	1,448	3/4	2,552	3/4	3,655	3/4	4,759	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	368	4	1,471	4	2,575	4	3,678	4	4,782	4	4	4	4	4	4	4	4	4	4
1/4	391	1/4	1,494	1/4	2,598	1/4	3,701	1/4	4,805	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	414	1/2	1,517	1/2	2,621	1/2	3,724	1/2	4,828	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	437	3/4	1,540	3/4	2,644	3/4	3,747	3/4	4,851	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	460	5	1,563	5	2,667	5	3,770	5	4,873	5	5	5	5	5	5	5	5	5	5
1/4	483	1/4	1,586	1/4	2,690	1/4	3,793	1/4	4,896	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	506	1/2	1,609	1/2	2,713	1/2	3,816	1/2	4,919	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	529	3/4	1,632	3/4	2,736	3/4	3,839	3/4	4,942	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	552	6	1,655	6	2,759	6	3,862	6	4,965	6	6	6	6	6	6	6	6	6	6
1/4	575	1/4	1,678	1/4	2,782	1/4	3,885	1/4	4,988	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	598	1/2	1,701	1/2	2,805	1/2	3,908	1/2	5,011	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	621	3/4	1,724	3/4	2,828	3/4	3,931	3/4	5,034	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	644	7	1,747	7	2,851	7	3,954	7	5,057	7	7	7	7	7	7	7	7	7	7
1/4	667	1/4	1,770	1/4	2,874	1/4	3,977	1/4	5,080	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	690	1/2	1,793	1/2	2,897	1/2	4,000	1/2	5,103	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	713	3/4	1,816	3/4	2,920	3/4	4,023	3/4	5,126	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	736	8	1,839	8	2,942	8	4,046	8	5,149	8	8	8	8	8	8	8	8	8	8
1/4	759	1/4	1,862	1/4	2,965	1/4	4,069	1/4	5,172	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	782	1/2	1,885	1/2	2,988	1/2	4,092	1/2	5,195	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	805	3/4	1,908	3/4	3,011	3/4	4,115	3/4	5,218	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	828	9	1,931	9	3,034	9	4,138	9	5,241	9	9	9	9	9	9	9	9	9	9
1/4	851	1/4	1,954	1/4	3,057	1/4	4,161	1/4	5,264	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	874	1/2	1,977	1/2	3,080	1/2	4,184	1/2	5,287	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	897	3/4	2,000	3/4	3,103	3/4	4,207	3/4	5,310	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	920	10	2,023	10	3,126	10	4,230	10	5,333	10	10	10	10	10	10	10	10	10	10
1/4	943	1/4	2,046	1/4	3,149	1/4	4,253	1/4	5,356	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	966	1/2	2,069	1/2	3,172	1/2	4,276	1/2	5,379	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	988	3/4	2,092	3/4	3,195	3/4	4,299	3/4	5,402	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,011	11	2,115	11	3,218	11	4,322	11	5,425	11	11	11	11	11	11	11	11	11	11
1/4	1,034	1/4	2,138	1/4	3,241	1/4	4,345	1/4	5,448	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,057	1/2	2,161	1/2	3,264	1/2	4,368	1/2	5,471	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,080	3/4	2,184	3/4	3,287	3/4	4,391	3/4	5,494	3/4	3/4	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: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021

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 416"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-05 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	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: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021

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 416"

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	- 00-1/8	00-1/8	- 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	00-0/8	- 00-0/8	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"

March 3, 2021

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MPX 416"

**1 PORT
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	3,369.77	0	3,712.96	0	4,056.22	0	4,398.82	0	4,740.51	0		0		0		0		0	
1/4	3,376.92	1/4	3,720.11	1/4	4,063.37	1/4	4,405.94	1/4	4,747.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,384.07	1/2	3,727.26	1/2	4,070.52	1/2	4,413.06	1/2	4,754.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,391.22	3/4	3,734.41	3/4	4,077.67	3/4	4,420.18	3/4	4,761.86	3/4		3/4		3/4		3/4		3/4	
1	3,398.37	1	3,741.56	1	4,084.82	1	4,427.29	1	4,768.98	1		1		1		1		1	
1/4	3,405.52	1/4	3,748.71	1/4	4,091.97	1/4	4,434.41	1/4	4,776.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,412.67	1/2	3,755.87	1/2	4,099.12	1/2	4,441.53	1/2	4,783.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,419.82	3/4	3,763.02	3/4	4,106.27	3/4	4,448.65	3/4	4,790.34	3/4		3/4		3/4		3/4		3/4	
2	3,426.97	2	3,770.17	2	4,113.43	2	4,455.77	2	4,797.46	2		2		2		2		2	
1/4	3,434.12	1/4	3,777.32	1/4	4,120.58	1/4	4,462.89	1/4	4,804.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,441.27	1/2	3,784.47	1/2	4,127.73	1/2	4,470.01	1/2	4,811.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,448.41	3/4	3,791.62	3/4	4,134.88	3/4	4,477.12	3/4	4,818.81	3/4		3/4		3/4		3/4		3/4	
3	3,455.56	3	3,798.77	3	4,142.03	3	4,484.24	3	4,825.93	3		3		3		3		3	
1/4	3,462.71	1/4	3,805.92	1/4	4,149.18	1/4	4,491.36	1/4	4,833.00	1/4		1/4		1/4		1/4		1/4	
1/2	3,469.86	1/2	3,813.08	1/2	4,156.33	1/2	4,498.48	1/2	4,840.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,477.01	3/4	3,820.23	3/4	4,163.48	3/4	4,505.60	3/4	4,847.15	3/4		3/4		3/4		3/4		3/4	
4	3,484.16	4	3,827.38	4	4,170.64	4	4,512.72	4	4,854.22	4		4		4		4		4	
1/4	3,491.31	1/4	3,834.53	1/4	4,177.79	1/4	4,519.83	1/4	4,861.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,498.46	1/2	3,841.68	1/2	4,184.94	1/2	4,526.95	1/2	4,868.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,505.61	3/4	3,848.83	3/4	4,192.09	3/4	4,534.07	3/4	4,875.45	3/4		3/4		3/4		3/4		3/4	
5	3,512.76	5	3,855.98	5	4,199.24	5	4,541.19	5	4,882.52	5		5		5		5		5	
1/4	3,519.91	1/4	3,863.13	1/4	4,206.39	1/4	4,548.31	1/4	4,889.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,527.06	1/2	3,870.29	1/2	4,213.54	1/2	4,555.43	1/2	4,896.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,534.20	3/4	3,877.44	3/4	4,220.69	3/4	4,562.55	3/4	4,903.74	3/4		3/4		3/4		3/4		3/4	
6	3,541.35	6	3,884.59	6	4,227.85	6	4,569.66	6	4,910.81	6		6		6		6		6	
1/4	3,548.50	1/4	3,891.74	1/4	4,235.00	1/4	4,576.78	1/4	4,917.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,555.65	1/2	3,898.89	1/2	4,242.15	1/2	4,583.90	1/2	4,924.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,562.80	3/4	3,906.04	3/4	4,249.30	3/4	4,591.02	3/4	4,931.99	3/4		3/4		3/4		3/4		3/4	
7	3,569.95	7	3,913.19	7	4,256.45	7	4,598.14	7	4,939.05	7		7		7		7		7	
1/4	3,577.10	1/4	3,920.34	1/4	4,263.57	1/4	4,605.26	1/4	4,946.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,584.25	1/2	3,927.49	1/2	4,270.69	1/2	4,612.38	1/2	4,953.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,591.40	3/4	3,934.65	3/4	4,277.81	3/4	4,619.49	3/4	4,960.06	3/4		3/4		3/4		3/4		3/4	
8	3,598.55	8	3,941.80	8	4,284.92	8	4,626.61	8	4,967.07	8		8		8		8		8	
1/4	3,605.70	1/4	3,948.95	1/4	4,292.04	1/4	4,633.73	1/4	4,973.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,612.85	1/2	3,956.10	1/2	4,299.16	1/2	4,640.85	1/2	4,979.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,620.00	3/4	3,963.25	3/4	4,306.28	3/4	4,647.97	3/4	4,985.61	3/4		3/4		3/4		3/4		3/4	
9	3,627.14	9	3,970.40	9	4,313.40	9	4,655.09	9	4,991.79	9		9		9		9		9	
1/4	3,634.30	1/4	3,977.55	1/4	4,320.52	1/4	4,662.20	1/4	4,996.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,641.45	1/2	3,984.70	1/2	4,327.64	1/2	4,669.32	1/2	5,001.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,648.60	3/4	3,991.86	3/4	4,334.75	3/4	4,676.44	3/4	5,006.75	3/4		3/4		3/4		3/4		3/4	
10	3,655.75	10	3,999.01	10	4,341.87	10	4,683.56	10	5,011.74	10		10		10		10		10	
1/4	3,662.90	1/4	4,006.16	1/4	4,348.99	1/4	4,690.68	1/4	5,015.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,670.05	1/2	4,013.31	1/2	4,356.11	1/2	4,697.80	1/2	5,019.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,677.20	3/4	4,020.46	3/4	4,363.23	3/4	4,704.92	3/4	5,023.12	3/4		3/4		3/4		3/4		3/4	
11	3,684.35	11	4,027.61	11	4,370.35	11	4,712.03	11	5,026.92	11		11		11		11		11	
1/4	3,691.51	1/4	4,034.76	1/4	4,377.46	1/4	4,719.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,698.66	1/2	4,041.91	1/2	4,384.58	1/2	4,726.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,705.81	3/4	4,049.07	3/4	4,391.70	3/4	4,733.39	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

**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	3,366.71	0	3,709.35	0	4,052.06	0	4,394.12	0	4,735.26	0		0		0		0		0	
1/4	3,373.85	1/4	3,716.49	1/4	4,059.20	1/4	4,401.23	1/4	4,742.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,380.99	1/2	3,723.63	1/2	4,066.34	1/2	4,408.33	1/2	4,749.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,388.13	3/4	3,730.77	3/4	4,073.48	3/4	4,415.44	3/4	4,756.58	3/4		3/4		3/4		3/4		3/4	
1	3,395.26	1	3,737.91	1	4,080.62	1	4,422.55	1	4,763.69	1		1		1		1		1	
1/4	3,402.40	1/4	3,745.05	1/4	4,087.76	1/4	4,429.65	1/4	4,770.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,409.54	1/2	3,752.19	1/2	4,094.90	1/2	4,436.76	1/2	4,777.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,416.68	3/4	3,759.33	3/4	4,102.04	3/4	4,443.87	3/4	4,785.01	3/4		3/4		3/4		3/4		3/4	
2	3,423.82	2	3,766.47	2	4,109.18	2	4,450.98	2	4,792.12	2		2		2		2		2	
1/4	3,430.95	1/4	3,773.61	1/4	4,116.32	1/4	4,458.08	1/4	4,799.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,438.09	1/2	3,780.75	1/2	4,123.46	1/2	4,465.19	1/2	4,806.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,445.23	3/4	3,787.89	3/4	4,130.60	3/4	4,472.30	3/4	4,813.44	3/4		3/4		3/4		3/4		3/4	
3	3,452.37	3	3,795.03	3	4,137.74	3	4,479.40	3	4,820.54	3		3		3		3		3	
1/4	3,459.50	1/4	3,802.17	1/4	4,144.88	1/4	4,486.51	1/4	4,827.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,466.64	1/2	3,809.31	1/2	4,152.02	1/2	4,493.62	1/2	4,834.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,473.78	3/4	3,816.45	3/4	4,159.16	3/4	4,500.72	3/4	4,841.73	3/4		3/4		3/4		3/4		3/4	
4	3,480.92	4	3,823.59	4	4,166.30	4	4,507.83	4	4,848.79	4		4		4		4		4	
1/4	3,488.06	1/4	3,830.73	1/4	4,173.44	1/4	4,514.94	1/4	4,855.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,495.19	1/2	3,837.87	1/2	4,180.58	1/2	4,522.05	1/2	4,862.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,502.33	3/4	3,845.01	3/4	4,187.72	3/4	4,529.15	3/4	4,869.98	3/4		3/4		3/4		3/4		3/4	
5	3,509.47	5	3,852.15	5	4,194.86	5	4,536.26	5	4,877.04	5		5		5		5		5	
1/4	3,516.61	1/4	3,859.29	1/4	4,202.00	1/4	4,543.37	1/4	4,884.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,523.74	1/2	3,866.43	1/2	4,209.14	1/2	4,550.47	1/2	4,891.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,530.88	3/4	3,873.57	3/4	4,216.28	3/4	4,557.58	3/4	4,898.23	3/4		3/4		3/4		3/4		3/4	
6	3,538.02	6	3,880.71	6	4,223.42	6	4,564.69	6	4,905.29	6		6		6		6		6	
1/4	3,545.16	1/4	3,887.85	1/4	4,230.56	1/4	4,571.80	1/4	4,912.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,552.30	1/2	3,894.99	1/2	4,237.70	1/2	4,578.90	1/2	4,919.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,559.43	3/4	3,902.13	3/4	4,244.84	3/4	4,586.01	3/4	4,926.43	3/4		3/4		3/4		3/4		3/4	
7	3,566.57	7	3,909.27	7	4,251.98	7	4,593.12	7	4,933.48	7		7		7		7		7	
1/4	3,573.71	1/4	3,916.41	1/4	4,259.08	1/4	4,600.22	1/4	4,940.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,580.85	1/2	3,923.55	1/2	4,266.19	1/2	4,607.33	1/2	4,947.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,587.99	3/4	3,930.69	3/4	4,273.30	3/4	4,614.44	3/4	4,954.46	3/4		3/4		3/4		3/4		3/4	
8	3,595.12	8	3,937.83	8	4,280.40	8	4,621.55	8	4,961.45	8		8		8		8		8	
1/4	3,602.26	1/4	3,944.97	1/4	4,287.51	1/4	4,628.65	1/4	4,967.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,609.40	1/2	3,952.10	1/2	4,294.62	1/2	4,635.76	1/2	4,973.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,616.54	3/4	3,959.24	3/4	4,301.73	3/4	4,642.87	3/4	4,979.96	3/4		3/4		3/4		3/4		3/4	
9	3,623.67	9	3,966.38	9	4,308.83	9	4,649.97	9	4,986.13	9		9		9		9		9	
1/4	3,630.81	1/4	3,973.52	1/4	4,315.94	1/4	4,657.08	1/4	4,991.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,637.95	1/2	3,980.66	1/2	4,323.05	1/2	4,664.19	1/2	4,996.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,645.09	3/4	3,987.80	3/4	4,330.15	3/4	4,671.30	3/4	5,001.07	3/4		3/4		3/4		3/4		3/4	
10	3,652.23	10	3,994.94	10	4,337.26	10	4,678.40	10	5,006.05	10		10		10		10		10	
1/4	3,659.37	1/4	4,002.08	1/4	4,344.37	1/4	4,685.51	1/4	5,009.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,666.51	1/2	4,009.22	1/2	4,351.48	1/2	4,692.62	1/2	5,013.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,673.65	3/4	4,016.36	3/4	4,358.58	3/4	4,699.72	3/4	5,017.42	3/4		3/4		3/4		3/4		3/4	
11	3,680.79	11	4,023.50	11	4,365.69	11	4,706.83	11	5,021.21	11		11		11		11		11	
1/4	3,687.93	1/4	4,030.64	1/4	4,372.80	1/4	4,713.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,695.07	1/2	4,037.78	1/2	4,379.90	1/2	4,721.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,702.21	3/4	4,044.92	3/4	4,387.01	3/4	4,728.15	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

2 PORT INNAGE TABLE HERMETIC GAUGE HEIGHT 16'-05 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	3,420.05	0	3,763.40	0	4,106.75	0	4,449.45	0	4,791.24	0		0		0		0		0	
1/4	3,427.20	1/4	3,770.55	1/4	4,113.90	1/4	4,456.57	1/4	4,798.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,434.36	1/2	3,777.71	1/2	4,121.05	1/2	4,463.69	1/2	4,805.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,441.51	3/4	3,784.86	3/4	4,128.21	3/4	4,470.81	3/4	4,812.60	3/4		3/4		3/4		3/4		3/4	
1	3,448.66	1	3,792.01	1	4,135.36	1	4,477.93	1	4,819.72	1		1		1		1		1	
1/4	3,455.82	1/4	3,799.17	1/4	4,142.51	1/4	4,485.05	1/4	4,826.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,462.97	1/2	3,806.32	1/2	4,149.67	1/2	4,492.17	1/2	4,833.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,470.12	3/4	3,813.47	3/4	4,156.82	3/4	4,499.29	3/4	4,841.08	3/4		3/4		3/4		3/4		3/4	
2	3,477.28	2	3,820.62	2	4,163.97	2	4,506.41	2	4,848.20	2		2		2		2		2	
1/4	3,484.43	1/4	3,827.78	1/4	4,171.13	1/4	4,513.53	1/4	4,855.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,491.58	1/2	3,834.93	1/2	4,178.28	1/2	4,520.65	1/2	4,862.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,498.73	3/4	3,842.08	3/4	4,185.43	3/4	4,527.77	3/4	4,869.56	3/4		3/4		3/4		3/4		3/4	
3	3,505.89	3	3,849.24	3	4,192.59	3	4,534.89	3	4,876.68	3		3		3		3		3	
1/4	3,513.04	1/4	3,856.39	1/4	4,199.74	1/4	4,542.01	1/4	4,883.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,520.19	1/2	3,863.54	1/2	4,206.89	1/2	4,549.14	1/2	4,890.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,527.35	3/4	3,870.70	3/4	4,214.04	3/4	4,556.26	3/4	4,897.91	3/4		3/4		3/4		3/4		3/4	
4	3,534.50	4	3,877.85	4	4,221.20	4	4,563.38	4	4,904.99	4		4		4		4		4	
1/4	3,541.65	1/4	3,885.00	1/4	4,228.35	1/4	4,570.50	1/4	4,912.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,548.81	1/2	3,892.16	1/2	4,235.50	1/2	4,577.62	1/2	4,919.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,555.96	3/4	3,899.31	3/4	4,242.66	3/4	4,584.74	3/4	4,926.21	3/4		3/4		3/4		3/4		3/4	
5	3,563.11	5	3,906.46	5	4,249.81	5	4,591.86	5	4,933.29	5		5		5		5		5	
1/4	3,570.27	1/4	3,913.61	1/4	4,256.96	1/4	4,598.98	1/4	4,940.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,577.42	1/2	3,920.77	1/2	4,264.12	1/2	4,606.10	1/2	4,947.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,584.57	3/4	3,927.92	3/4	4,271.27	3/4	4,613.22	3/4	4,954.51	3/4		3/4		3/4		3/4		3/4	
6	3,591.73	6	3,935.07	6	4,278.42	6	4,620.34	6	4,961.58	6		6		6		6		6	
1/4	3,598.88	1/4	3,942.23	1/4	4,285.58	1/4	4,627.46	1/4	4,968.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,606.03	1/2	3,949.38	1/2	4,292.73	1/2	4,634.58	1/2	4,975.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,613.18	3/4	3,956.53	3/4	4,299.88	3/4	4,641.70	3/4	4,982.76	3/4		3/4		3/4		3/4		3/4	
7	3,620.34	7	3,963.69	7	4,307.04	7	4,648.82	7	4,989.82	7		7		7		7		7	
1/4	3,627.49	1/4	3,970.84	1/4	4,314.16	1/4	4,655.94	1/4	4,996.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,634.64	1/2	3,977.99	1/2	4,321.28	1/2	4,663.07	1/2	5,003.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,641.80	3/4	3,985.15	3/4	4,328.40	3/4	4,670.19	3/4	5,010.84	3/4		3/4		3/4		3/4		3/4	
8	3,648.95	8	3,992.30	8	4,335.52	8	4,677.31	8	5,017.85	8		8		8		8		8	
1/4	3,656.10	1/4	3,999.45	1/4	4,342.64	1/4	4,684.43	1/4	5,024.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,663.26	1/2	4,006.60	1/2	4,349.76	1/2	4,691.55	1/2	5,030.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,670.41	3/4	4,013.76	3/4	4,356.88	3/4	4,698.67	3/4	5,036.39	3/4		3/4		3/4		3/4		3/4	
9	3,677.56	9	4,020.91	9	4,364.00	9	4,705.79	9	5,042.58	9		9		9		9		9	
1/4	3,684.72	1/4	4,028.06	1/4	4,371.12	1/4	4,712.91	1/4	5,047.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,691.87	1/2	4,035.22	1/2	4,378.24	1/2	4,720.03	1/2	5,052.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,699.02	3/4	4,042.37	3/4	4,385.36	3/4	4,727.15	3/4	5,057.54	3/4		3/4		3/4		3/4		3/4	
10	3,706.17	10	4,049.52	10	4,392.48	10	4,734.27	10	5,062.53	10		10		10		10		10	
1/4	3,713.33	1/4	4,056.68	1/4	4,399.60	1/4	4,741.39	1/4	5,066.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,720.48	1/2	4,063.83	1/2	4,406.72	1/2	4,748.51	1/2	5,070.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,727.63	3/4	4,070.98	3/4	4,413.84	3/4	4,755.63	3/4	5,073.92	3/4		3/4		3/4		3/4		3/4	
11	3,734.79	11	4,078.14	11	4,420.96	11	4,762.75	11	5,077.72	11		11		11		11		11	
1/4	3,741.94	1/4	4,085.29	1/4	4,428.09	1/4	4,769.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,749.09	1/2	4,092.44	1/2	4,435.21	1/2	4,776.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,756.25	3/4	4,099.60	3/4	4,442.33	3/4	4,784.12	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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Pearland, Texas 77588
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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

2 STBD
INNAGE TABLE

HERMETIC
GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

Table with columns for IN, 0 FT., 1 FT., 2 FT., 3 FT., 4 FT., 5 FT., 6 FT., 7 FT., 8 FT., 9 FT. and rows for measurement increments from 0 to 11 feet.

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.

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BARGE "MPX 416"

2 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	3,442.31	0	3,786.51	0	4,130.78	0	4,474.40	0	4,817.11	0		0		0		0		0	
1/4	3,449.48	1/4	3,793.68	1/4	4,137.95	1/4	4,481.54	1/4	4,824.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,456.65	1/2	3,800.85	1/2	4,145.13	1/2	4,488.68	1/2	4,831.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,463.82	3/4	3,808.02	3/4	4,152.30	3/4	4,495.82	3/4	4,838.53	3/4		3/4		3/4		3/4		3/4	
1	3,470.99	1	3,815.19	1	4,159.47	1	4,502.96	1	4,845.67	1		1		1		1		1	
1/4	3,478.16	1/4	3,822.37	1/4	4,166.64	1/4	4,510.10	1/4	4,852.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,485.33	1/2	3,829.54	1/2	4,173.81	1/2	4,517.24	1/2	4,859.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,492.50	3/4	3,836.71	3/4	4,180.99	3/4	4,524.38	3/4	4,867.08	3/4		3/4		3/4		3/4		3/4	
2	3,499.67	2	3,843.88	2	4,188.16	2	4,531.52	2	4,874.22	2		2		2		2		2	
1/4	3,506.84	1/4	3,851.06	1/4	4,195.33	1/4	4,538.66	1/4	4,881.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,514.01	1/2	3,858.23	1/2	4,202.50	1/2	4,545.80	1/2	4,888.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,521.18	3/4	3,865.40	3/4	4,209.68	3/4	4,552.94	3/4	4,895.64	3/4		3/4		3/4		3/4		3/4	
3	3,528.35	3	3,872.57	3	4,216.85	3	4,560.08	3	4,902.78	3		3		3		3		3	
1/4	3,535.52	1/4	3,879.75	1/4	4,224.02	1/4	4,567.22	1/4	4,909.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,542.69	1/2	3,886.92	1/2	4,231.19	1/2	4,574.36	1/2	4,916.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,549.86	3/4	3,894.09	3/4	4,238.37	3/4	4,581.50	3/4	4,924.07	3/4		3/4		3/4		3/4		3/4	
4	3,557.03	4	3,901.26	4	4,245.54	4	4,588.64	4	4,931.16	4		4		4		4		4	
1/4	3,564.20	1/4	3,908.44	1/4	4,252.71	1/4	4,595.78	1/4	4,938.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,571.37	1/2	3,915.61	1/2	4,259.88	1/2	4,602.92	1/2	4,945.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,578.54	3/4	3,922.78	3/4	4,267.06	3/4	4,610.06	3/4	4,952.44	3/4		3/4		3/4		3/4		3/4	
5	3,585.71	5	3,929.95	5	4,274.23	5	4,617.20	5	4,959.54	5		5		5		5		5	
1/4	3,592.88	1/4	3,937.13	1/4	4,281.40	1/4	4,624.34	1/4	4,966.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,600.05	1/2	3,944.30	1/2	4,288.57	1/2	4,631.47	1/2	4,973.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,607.22	3/4	3,951.47	3/4	4,295.75	3/4	4,638.61	3/4	4,980.82	3/4		3/4		3/4		3/4		3/4	
6	3,614.39	6	3,958.64	6	4,302.92	6	4,645.75	6	4,987.91	6		6		6		6		6	
1/4	3,621.56	1/4	3,965.82	1/4	4,310.09	1/4	4,652.89	1/4	4,994.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,628.73	1/2	3,972.99	1/2	4,317.26	1/2	4,660.03	1/2	5,002.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,635.90	3/4	3,980.16	3/4	4,324.44	3/4	4,667.17	3/4	5,009.15	3/4		3/4		3/4		3/4		3/4	
7	3,643.07	7	3,987.33	7	4,331.61	7	4,674.31	7	5,016.23	7		7		7		7		7	
1/4	3,650.24	1/4	3,994.50	1/4	4,338.75	1/4	4,681.45	1/4	5,023.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,657.42	1/2	4,001.68	1/2	4,345.89	1/2	4,688.59	1/2	5,030.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,664.59	3/4	4,008.85	3/4	4,353.03	3/4	4,695.73	3/4	5,037.31	3/4		3/4		3/4		3/4		3/4	
8	3,671.76	8	4,016.02	8	4,360.17	8	4,702.87	8	5,044.33	8		8		8		8		8	
1/4	3,678.93	1/4	4,023.19	1/4	4,367.31	1/4	4,710.01	1/4	5,050.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,686.10	1/2	4,030.37	1/2	4,374.45	1/2	4,717.15	1/2	5,056.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,693.27	3/4	4,037.54	3/4	4,381.59	3/4	4,724.29	3/4	5,062.93	3/4		3/4		3/4		3/4		3/4	
9	3,700.44	9	4,044.71	9	4,388.73	9	4,731.43	9	5,069.12	9		9		9		9		9	
1/4	3,707.61	1/4	4,051.88	1/4	4,395.86	1/4	4,738.57	1/4	5,074.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,714.78	1/2	4,059.06	1/2	4,403.00	1/2	4,745.71	1/2	5,079.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,721.95	3/4	4,066.23	3/4	4,410.14	3/4	4,752.85	3/4	5,084.13	3/4		3/4		3/4		3/4		3/4	
10	3,729.13	10	4,073.40	10	4,417.28	10	4,759.99	10	5,089.13	10		10		10		10		10	
1/4	3,736.30	1/4	4,080.57	1/4	4,424.42	1/4	4,767.13	1/4	5,092.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,743.47	1/2	4,087.75	1/2	4,431.56	1/2	4,774.27	1/2	5,096.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,750.64	3/4	4,094.92	3/4	4,438.70	3/4	4,781.41	3/4	5,100.56	3/4		3/4		3/4		3/4		3/4	
11	3,757.82	11	4,102.09	11	4,445.84	11	4,788.55	11	5,104.36	11		11		11		11		11	
1/4	3,764.99	1/4	4,109.26	1/4	4,452.98	1/4	4,795.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,772.16	1/2	4,116.44	1/2	4,460.12	1/2	4,802.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,779.33	3/4	4,123.61	3/4	4,467.26	3/4	4,809.97	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

3 PORT

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

Table with 18 columns representing depth increments from 0 to 11 feet and 18 rows representing gauge height increments from 0 to 3/4 feet. Each cell contains capacity values in barrels.

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 416"

3 PORT 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	3,378.56	0	3,587.64	0	3,797.30	0	4,006.57	0	4,215.30	0		0		0		0		0	
1/4	3,382.91	1/4	3,592.01	1/4	3,801.67	1/4	4,010.92	1/4	4,219.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,387.26	1/2	3,596.38	1/2	3,806.03	1/2	4,015.27	1/2	4,224.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,391.62	3/4	3,600.75	3/4	3,810.40	3/4	4,019.62	3/4	4,228.35	3/4		3/4		3/4		3/4		3/4	
1	3,395.97	1	3,605.12	1	3,814.77	1	4,023.96	1	4,232.70	1		1		1		1		1	
1/4	3,400.32	1/4	3,609.48	1/4	3,819.14	1/4	4,028.31	1/4	4,237.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,404.67	1/2	3,613.85	1/2	3,823.51	1/2	4,032.66	1/2	4,241.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,409.02	3/4	3,618.22	3/4	3,827.87	3/4	4,037.01	3/4	4,245.74	3/4		3/4		3/4		3/4		3/4	
2	3,413.38	2	3,622.59	2	3,832.24	2	4,041.36	2	4,250.09	2		2		2		2		2	
1/4	3,417.73	1/4	3,626.95	1/4	3,836.61	1/4	4,045.71	1/4	4,254.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,422.08	1/2	3,631.32	1/2	3,840.98	1/2	4,050.06	1/2	4,258.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,426.43	3/4	3,635.69	3/4	3,845.34	3/4	4,054.40	3/4	4,263.14	3/4		3/4		3/4		3/4		3/4	
3	3,430.78	3	3,640.06	3	3,849.71	3	4,058.75	3	4,267.49	3		3		3		3		3	
1/4	3,435.14	1/4	3,644.43	1/4	3,854.08	1/4	4,063.10	1/4	4,271.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,439.49	1/2	3,648.79	1/2	3,858.45	1/2	4,067.45	1/2	4,276.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,443.84	3/4	3,653.16	3/4	3,862.82	3/4	4,071.80	3/4	4,280.45	3/4		3/4		3/4		3/4		3/4	
4	3,448.19	4	3,657.53	4	3,867.18	4	4,076.15	4	4,284.77	4		4		4		4		4	
1/4	3,452.54	1/4	3,661.90	1/4	3,871.55	1/4	4,080.50	1/4	4,289.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,456.90	1/2	3,666.27	1/2	3,875.92	1/2	4,084.84	1/2	4,293.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,461.25	3/4	3,670.63	3/4	3,880.29	3/4	4,089.19	3/4	4,297.74	3/4		3/4		3/4		3/4		3/4	
5	3,465.60	5	3,675.00	5	3,884.66	5	4,093.54	5	4,302.06	5		5		5		5		5	
1/4	3,469.95	1/4	3,679.37	1/4	3,889.02	1/4	4,097.89	1/4	4,306.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,474.30	1/2	3,683.74	1/2	3,893.39	1/2	4,102.24	1/2	4,310.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,478.66	3/4	3,688.10	3/4	3,897.76	3/4	4,106.59	3/4	4,315.01	3/4		3/4		3/4		3/4		3/4	
6	3,483.01	6	3,692.47	6	3,902.13	6	4,110.94	6	4,319.33	6		6		6		6		6	
1/4	3,487.36	1/4	3,696.84	1/4	3,906.49	1/4	4,115.28	1/4	4,323.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,491.71	1/2	3,701.21	1/2	3,910.86	1/2	4,119.63	1/2	4,327.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,496.06	3/4	3,705.58	3/4	3,915.23	3/4	4,123.98	3/4	4,332.25	3/4		3/4		3/4		3/4		3/4	
7	3,500.42	7	3,709.94	7	3,919.60	7	4,128.33	7	4,336.56	7		7		7		7		7	
1/4	3,504.77	1/4	3,714.31	1/4	3,923.95	1/4	4,132.68	1/4	4,340.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,509.12	1/2	3,718.68	1/2	3,928.29	1/2	4,137.03	1/2	4,345.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,513.47	3/4	3,723.05	3/4	3,932.64	3/4	4,141.38	3/4	4,349.31	3/4		3/4		3/4		3/4		3/4	
8	3,517.82	8	3,727.41	8	3,936.99	8	4,145.72	8	4,353.57	8		8		8		8		8	
1/4	3,522.18	1/4	3,731.78	1/4	3,941.34	1/4	4,150.07	1/4	4,357.00	1/4		1/4		1/4		1/4		1/4	
1/2	3,526.53	1/2	3,736.15	1/2	3,945.69	1/2	4,154.42	1/2	4,360.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,530.88	3/4	3,740.52	3/4	3,950.04	3/4	4,158.77	3/4	4,363.86	3/4		3/4		3/4		3/4		3/4	
9	3,535.23	9	3,744.89	9	3,954.39	9	4,163.12	9	4,367.29	9		9		9		9		9	
1/4	3,539.60	1/4	3,749.25	1/4	3,958.73	1/4	4,167.47	1/4	4,369.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,543.97	1/2	3,753.62	1/2	3,963.08	1/2	4,171.82	1/2	4,371.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,548.33	3/4	3,757.99	3/4	3,967.43	3/4	4,176.16	3/4	4,374.01	3/4		3/4		3/4		3/4		3/4	
10	3,552.70	10	3,762.36	10	3,971.78	10	4,180.51	10	4,376.26	10		10		10		10		10	
1/4	3,557.07	1/4	3,766.72	1/4	3,976.13	1/4	4,184.86	1/4	4,377.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,561.44	1/2	3,771.09	1/2	3,980.48	1/2	4,189.21	1/2	4,379.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,565.81	3/4	3,775.46	3/4	3,984.83	3/4	4,193.56	3/4	4,381.38	3/4		3/4		3/4		3/4		3/4	
11	3,570.17	11	3,779.83	11	3,989.18	11	4,197.91	11	4,383.08	11		11		11		11		11	
1/4	3,574.54	1/4	3,784.20	1/4	3,993.52	1/4	4,202.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,578.91	1/2	3,788.56	1/2	3,997.87	1/2	4,206.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,583.28	3/4	3,792.93	3/4	4,002.22	3/4	4,210.95	3/4		3/4		3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

3 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-04 1/2"

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	342.50	0	684.83	0	1,026.80	0	1,369.00	0	1,711.34	0	2,053.68	0	2,396.02	0	2,738.08	0	3,079.55
1/4	19.09	1/4	349.63	1/4	691.96	1/4	1,033.91	1/4	1,376.13	1/4	1,718.47	1/4	2,060.82	1/4	2,403.16	1/4	2,745.20	1/4	3,086.66
1/2	23.54	1/2	356.76	1/2	699.09	1/2	1,041.03	1/2	1,383.27	1/2	1,725.61	1/2	2,067.95	1/2	2,410.29	1/2	2,752.31	1/2	3,093.78
3/4	28.00	3/4	363.89	3/4	706.22	3/4	1,048.15	3/4	1,390.40	3/4	1,732.74	3/4	2,075.08	3/4	2,417.42	3/4	2,759.42	3/4	3,100.89
1	32.46	1	371.02	1	713.36	1	1,055.27	1	1,397.53	1	1,739.87	1	2,082.21	1	2,424.55	1	2,766.54	1	3,108.00
1/4	38.70	1/4	378.16	1/4	720.49	1/4	1,062.39	1/4	1,404.66	1/4	1,747.00	1/4	2,089.34	1/4	2,431.68	1/4	2,773.65	1/4	3,115.12
1/2	44.94	1/2	385.29	1/2	727.62	1/2	1,069.50	1/2	1,411.79	1/2	1,754.13	1/2	2,096.48	1/2	2,438.82	1/2	2,780.76	1/2	3,122.23
3/4	51.18	3/4	392.42	3/4	734.75	3/4	1,076.62	3/4	1,418.93	3/4	1,761.27	3/4	2,103.61	3/4	2,445.95	3/4	2,787.88	3/4	3,129.35
2	57.41	2	399.55	2	741.88	2	1,083.74	2	1,426.06	2	1,768.40	2	2,110.74	2	2,453.08	2	2,794.99	2	3,136.46
1/4	64.51	1/4	406.68	1/4	749.02	1/4	1,090.87	1/4	1,433.19	1/4	1,775.53	1/4	2,117.87	1/4	2,460.21	1/4	2,802.11	1/4	3,143.56
1/2	71.61	1/2	413.82	1/2	756.15	1/2	1,097.99	1/2	1,440.32	1/2	1,782.66	1/2	2,125.00	1/2	2,467.34	1/2	2,809.22	1/2	3,150.65
3/4	78.70	3/4	420.95	3/4	763.28	3/4	1,105.12	3/4	1,447.45	3/4	1,789.80	3/4	2,132.14	3/4	2,474.48	3/4	2,816.33	3/4	3,157.75
3	85.80	3	428.08	3	770.41	3	1,112.25	3	1,454.59	3	1,796.93	3	2,139.27	3	2,481.61	3	2,823.45	3	3,164.85
1/4	92.92	1/4	435.21	1/4	777.54	1/4	1,119.38	1/4	1,461.72	1/4	1,804.06	1/4	2,146.40	1/4	2,488.74	1/4	2,830.56	1/4	3,171.94
1/2	100.04	1/2	442.34	1/2	784.67	1/2	1,126.51	1/2	1,468.85	1/2	1,811.19	1/2	2,153.53	1/2	2,495.87	1/2	2,837.68	1/2	3,179.04
3/4	107.16	3/4	449.48	3/4	791.81	3/4	1,133.64	3/4	1,475.98	3/4	1,818.32	3/4	2,160.66	3/4	2,503.01	3/4	2,844.79	3/4	3,186.14
4	114.28	4	456.61	4	798.94	4	1,140.77	4	1,483.12	4	1,825.46	4	2,167.80	4	2,510.14	4	2,851.90	4	3,193.23
1/4	121.41	1/4	463.74	1/4	806.07	1/4	1,147.91	1/4	1,490.25	1/4	1,832.59	1/4	2,174.93	1/4	2,517.27	1/4	2,859.02	1/4	3,200.33
1/2	128.54	1/2	470.87	1/2	813.20	1/2	1,155.04	1/2	1,497.38	1/2	1,839.72	1/2	2,182.06	1/2	2,524.40	1/2	2,866.13	1/2	3,207.42
3/4	135.67	3/4	478.00	3/4	820.33	3/4	1,162.17	3/4	1,504.51	3/4	1,846.85	3/4	2,189.19	3/4	2,531.54	3/4	2,873.25	3/4	3,214.52
5	142.80	5	485.14	5	827.47	5	1,169.30	5	1,511.64	5	1,853.98	5	2,196.33	5	2,538.67	5	2,880.36	5	3,221.62
1/4	149.94	1/4	492.27	1/4	834.59	1/4	1,176.43	1/4	1,518.78	1/4	1,861.12	1/4	2,203.46	1/4	2,545.80	1/4	2,887.47	1/4	3,228.71
1/2	157.07	1/2	499.40	1/2	841.72	1/2	1,183.57	1/2	1,525.91	1/2	1,868.25	1/2	2,210.59	1/2	2,552.93	1/2	2,894.59	1/2	3,235.81
3/4	164.20	3/4	506.53	3/4	848.84	3/4	1,190.70	3/4	1,533.04	3/4	1,875.38	3/4	2,217.72	3/4	2,560.07	3/4	2,901.70	3/4	3,242.91
6	171.33	6	513.66	6	855.97	6	1,197.83	6	1,540.17	6	1,882.51	6	2,224.85	6	2,567.20	6	2,908.82	6	3,250.00
1/4	178.46	1/4	520.79	1/4	863.08	1/4	1,204.96	1/4	1,547.30	1/4	1,889.64	1/4	2,231.99	1/4	2,574.33	1/4	2,915.93	1/4	3,257.10
1/2	185.60	1/2	527.93	1/2	870.20	1/2	1,212.10	1/2	1,554.44	1/2	1,896.78	1/2	2,239.12	1/2	2,581.46	1/2	2,923.04	1/2	3,264.20
3/4	192.73	3/4	535.06	3/4	877.33	3/4	1,219.23	3/4	1,561.57	3/4	1,903.91	3/4	2,246.25	3/4	2,588.60	3/4	2,930.16	3/4	3,271.29
7	199.86	7	542.19	7	884.44	7	1,226.36	7	1,568.70	7	1,911.04	7	2,253.38	7	2,595.73	7	2,937.27	7	3,278.39
1/4	206.99	1/4	549.32	1/4	891.56	1/4	1,233.49	1/4	1,575.83	1/4	1,918.17	1/4	2,260.51	1/4	2,602.86	1/4	2,944.38	1/4	3,285.49
1/2	214.12	1/2	556.45	1/2	898.67	1/2	1,240.62	1/2	1,582.96	1/2	1,925.31	1/2	2,267.65	1/2	2,609.99	1/2	2,951.50	1/2	3,292.58
3/4	221.25	3/4	563.59	3/4	905.79	3/4	1,247.76	3/4	1,590.10	3/4	1,932.44	3/4	2,274.78	3/4	2,617.13	3/4	2,958.61	3/4	3,299.68
8	228.39	8	570.72	8	912.91	8	1,254.89	8	1,597.23	8	1,939.57	8	2,281.91	8	2,624.26	8	2,965.73	8	3,306.78
1/4	235.52	1/4	577.85	1/4	920.03	1/4	1,262.02	1/4	1,604.36	1/4	1,946.70	1/4	2,289.04	1/4	2,631.37	1/4	2,972.84	1/4	3,313.87
1/2	242.65	1/2	584.98	1/2	927.14	1/2	1,269.15	1/2	1,611.49	1/2	1,953.83	1/2	2,296.17	1/2	2,638.49	1/2	2,979.95	1/2	3,320.97
3/4	249.78	3/4	592.11	3/4	934.26	3/4	1,276.28	3/4	1,618.63	3/4	1,960.97	3/4	2,303.31	3/4	2,645.60	3/4	2,987.07	3/4	3,328.07
9	256.91	9	599.25	9	941.38	9	1,283.42	9	1,625.76	9	1,968.10	9	2,310.44	9	2,652.71	9	2,994.18	9	3,335.16
1/4	264.05	1/4	606.38	1/4	948.50	1/4	1,290.55	1/4	1,632.89	1/4	1,975.23	1/4	2,317.57	1/4	2,659.83	1/4	3,001.30	1/4	3,342.26
1/2	271.18	1/2	613.51	1/2	955.62	1/2	1,297.68	1/2	1,640.02	1/2	1,982.36	1/2	2,324.70	1/2	2,666.94	1/2	3,008.41	1/2	3,349.35
3/4	278.31	3/4	620.64	3/4	962.73	3/4	1,304.81	3/4	1,647.15	3/4	1,989.49	3/4	2,331.83	3/4	2,674.06	3/4	3,015.52	3/4	3,356.45
10	285.44	10	627.77	10	969.85	10	1,311.94	10	1,654.29	10	1,996.63	10	2,338.97	10	2,681.17	10	3,022.64	10	3,363.55
1/4	292.57	1/4	634.90	1/4	976.97	1/4	1,319.08	1/4	1,661.42	1/4	2,003.76	1/4	2,346.10	1/4	2,688.28	1/4	3,029.75	1/4	3,370.65
1/2	299.71	1/2	642.04	1/2	984.09	1/2	1,326.21	1/2	1,668.55	1/2	2,010.89	1/2	2,353.23	1/2	2,695.40	1/2	3,036.87	1/2	3,377.75
3/4	306.84	3/4	649.17	3/4	991.21	3/4	1,333.34	3/4	1,675.68	3/4	2,018.02	3/4	2,360.36	3/4	2,702.51	3/4	3,043.98	3/4	3,384.85
11	313.97	11	656.30	11	998.32	11	1,340.47	11	1,682.81	11	2,025.15	11	2,367.50	11	2,709.63	11	3,051.09	11	3,391.95
1/4	321.10	1/4	663.43	1/4	1,005.44	1/4	1,347.61	1/4	1,689.95	1/4	2,032.29	1/4	2,374.63	1/4	2,716.74	1/4	3,058.21	1/4	3,399.05
1/2	328.23	1/2	670.56	1/2	1,012.56	1/2	1,354.74	1/2	1,697.08	1/2	2,039.42	1/2	2,381.76	1/2	2,723.85	1/2	3,065.32	1/2	3,406.15
3/4	335.37	3/4	677.70	3/4	1,019.68	3/4	1,361.87	3/4	1,704.21	3/4	2,046.55	3/4	2,388.89	3/4	2,730.97	3/4	3,072.43	3/4	3,413.25

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO 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

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BARGE "MPX 416"

3 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-04 1/2"

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	3,398.25	0	3,608.21	0	3,818.16	0	4,027.73	0	4,236.77	0		0		0		0		0	
1/4	3,402.63	1/4	3,612.58	1/4	3,822.53	1/4	4,032.09	1/4	4,241.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,407.00	1/2	3,616.95	1/2	3,826.91	1/2	4,036.44	1/2	4,245.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,411.38	3/4	3,621.33	3/4	3,831.28	3/4	4,040.80	3/4	4,249.84	3/4		3/4		3/4		3/4		3/4	
1	3,415.75	1	3,625.70	1	3,835.65	1	4,045.15	1	4,254.19	1		1		1		1		1	
1/4	3,420.12	1/4	3,630.08	1/4	3,840.03	1/4	4,049.51	1/4	4,258.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,424.50	1/2	3,634.45	1/2	3,844.40	1/2	4,053.86	1/2	4,262.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,428.87	3/4	3,638.82	3/4	3,848.78	3/4	4,058.22	3/4	4,267.26	3/4		3/4		3/4		3/4		3/4	
2	3,433.25	2	3,643.20	2	3,853.15	2	4,062.57	2	4,271.61	2		2		2		2		2	
1/4	3,437.62	1/4	3,647.57	1/4	3,857.52	1/4	4,066.93	1/4	4,275.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,441.99	1/2	3,651.95	1/2	3,861.90	1/2	4,071.28	1/2	4,280.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,446.37	3/4	3,656.32	3/4	3,866.27	3/4	4,075.64	3/4	4,284.68	3/4		3/4		3/4		3/4		3/4	
3	3,450.74	3	3,660.69	3	3,870.65	3	4,079.99	3	4,289.03	3		3		3		3		3	
1/4	3,455.12	1/4	3,665.07	1/4	3,875.02	1/4	4,084.35	1/4	4,293.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,459.49	1/2	3,669.44	1/2	3,879.39	1/2	4,088.70	1/2	4,297.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,463.86	3/4	3,673.82	3/4	3,883.77	3/4	4,093.06	3/4	4,302.01	3/4		3/4		3/4		3/4		3/4	
4	3,468.24	4	3,678.19	4	3,888.14	4	4,097.41	4	4,306.34	4		4		4		4		4	
1/4	3,472.61	1/4	3,682.56	1/4	3,892.52	1/4	4,101.77	1/4	4,310.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,476.99	1/2	3,686.94	1/2	3,896.89	1/2	4,106.12	1/2	4,314.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,481.36	3/4	3,691.31	3/4	3,901.26	3/4	4,110.48	3/4	4,319.32	3/4		3/4		3/4		3/4		3/4	
5	3,485.73	5	3,695.69	5	3,905.64	5	4,114.83	5	4,323.64	5		5		5		5		5	
1/4	3,490.11	1/4	3,700.06	1/4	3,910.01	1/4	4,119.19	1/4	4,327.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,494.48	1/2	3,704.43	1/2	3,914.39	1/2	4,123.54	1/2	4,332.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,498.86	3/4	3,708.81	3/4	3,918.76	3/4	4,127.90	3/4	4,336.62	3/4		3/4		3/4		3/4		3/4	
6	3,503.23	6	3,713.18	6	3,923.13	6	4,132.25	6	4,340.94	6		6		6		6		6	
1/4	3,507.60	1/4	3,717.56	1/4	3,927.51	1/4	4,136.61	1/4	4,345.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,511.98	1/2	3,721.93	1/2	3,931.88	1/2	4,140.96	1/2	4,349.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,516.35	3/4	3,726.30	3/4	3,936.26	3/4	4,145.32	3/4	4,353.88	3/4		3/4		3/4		3/4		3/4	
7	3,520.73	7	3,730.68	7	3,940.63	7	4,149.67	7	4,358.19	7		7		7		7		7	
1/4	3,525.10	1/4	3,735.05	1/4	3,944.99	1/4	4,154.03	1/4	4,362.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,529.47	1/2	3,739.43	1/2	3,949.34	1/2	4,158.38	1/2	4,366.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,533.85	3/4	3,743.80	3/4	3,953.70	3/4	4,162.74	3/4	4,370.97	3/4		3/4		3/4		3/4		3/4	
8	3,538.22	8	3,748.17	8	3,958.05	8	4,167.09	8	4,375.23	8		8		8		8		8	
1/4	3,542.60	1/4	3,752.55	1/4	3,962.41	1/4	4,171.45	1/4	4,378.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,546.97	1/2	3,756.92	1/2	3,966.76	1/2	4,175.80	1/2	4,382.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,551.34	3/4	3,761.30	3/4	3,971.12	3/4	4,180.16	3/4	4,385.54	3/4		3/4		3/4		3/4		3/4	
9	3,555.72	9	3,765.67	9	3,975.47	9	4,184.51	9	4,388.97	9		9		9		9		9	
1/4	3,560.09	1/4	3,770.04	1/4	3,979.83	1/4	4,188.87	1/4	4,391.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,564.47	1/2	3,774.42	1/2	3,984.18	1/2	4,193.22	1/2	4,393.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,568.84	3/4	3,778.79	3/4	3,988.54	3/4	4,197.58	3/4	4,395.71	3/4		3/4		3/4		3/4		3/4	
10	3,573.21	10	3,783.17	10	3,992.89	10	4,201.93	10	4,399.96	10		10		10		10		10	
1/4	3,577.59	1/4	3,787.54	1/4	3,997.25	1/4	4,206.29	1/4	4,399.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,581.96	1/2	3,791.91	1/2	4,001.60	1/2	4,210.64	1/2	4,401.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,586.34	3/4	3,796.29	3/4	4,005.96	3/4	4,215.00	3/4	4,403.09	3/4		3/4		3/4		3/4		3/4	
11	3,590.71	11	3,800.66	11	4,010.31	11	4,219.35	11	4,404.80	11		11		11		11		11	
1/4	3,595.08	1/4	3,805.04	1/4	4,014.67	1/4	4,223.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,599.46	1/2	3,809.41	1/2	4,019.02	1/2	4,228.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,603.83	3/4	3,813.78	3/4	4,023.38	3/4	4,232.42	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

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

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

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	00-1/8	- 00-1/8	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	- 00-0/8	00-0/8	- 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"

March 3, 2021

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

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BARGE "MPX 416"

1 PORT 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	2,132.69	0	1,789.41	0	1,446.13	0	1,102.86	0	762.11	0	419.86	0	109.68	0		0		0	
1/4	2,125.54	1/4	1,782.26	1/4	1,438.98	1/4	1,095.71	1/4	754.99	1/4	412.92	1/4	103.74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,118.38	1/2	1,775.11	1/2	1,431.83	1/2	1,088.55	1/2	747.87	1/2	405.98	1/2	97.81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,111.23	3/4	1,767.96	3/4	1,424.68	3/4	1,081.40	3/4	740.76	3/4	399.03	3/4	91.87	3/4	3/4	3/4	3/4	3/4	3/4
1	2,104.08	1	1,760.80	1	1,417.53	1	1,074.28	1	733.60	1	392.17	1	86.02	1	1	1	1	1	1
1/4	2,096.93	1/4	1,753.65	1/4	1,410.38	1/4	1,067.17	1/4	726.45	1/4	385.32	1/4	80.18	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,089.78	1/2	1,746.50	1/2	1,403.22	1/2	1,060.05	1/2	719.30	1/2	378.46	1/2	74.33	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,082.63	3/4	1,739.35	3/4	1,396.07	3/4	1,052.93	3/4	712.15	3/4	371.60	3/4	68.48	3/4	3/4	3/4	3/4	3/4	3/4
2	2,075.47	2	1,732.20	2	1,388.92	2	1,045.83	2	705.00	2	364.82	2	62.75	2	2	2	2	2	2
1/4	2,068.32	1/4	1,725.05	1/4	1,381.77	1/4	1,038.73	1/4	697.85	1/4	358.05	1/4	57.01	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,061.17	1/2	1,717.89	1/2	1,374.62	1/2	1,031.63	1/2	690.70	1/2	351.27	1/2	51.28	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,054.02	3/4	1,710.74	3/4	1,367.47	3/4	1,024.54	3/4	683.54	3/4	344.50	3/4	45.54	3/4	3/4	3/4	3/4	3/4	3/4
3	2,046.87	3	1,703.59	3	1,360.31	3	1,017.44	3	676.39	3	337.80	3	40.75	3	3	3	3	3	3
1/4	2,039.72	1/4	1,696.44	1/4	1,353.16	1/4	1,010.35	1/4	669.24	1/4	331.11	1/4	35.95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,032.56	1/2	1,689.29	1/2	1,346.01	1/2	1,003.26	1/2	662.09	1/2	324.42	1/2	31.16	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,025.41	3/4	1,682.14	3/4	1,338.86	3/4	996.17	3/4	654.94	3/4	317.73	3/4	26.36	3/4	3/4	3/4	3/4	3/4	3/4
4	2,018.26	4	1,674.98	4	1,331.71	4	989.08	4	647.79	4	311.12	4	23.44	4	4	4	4	4	4
1/4	2,011.11	1/4	1,667.83	1/4	1,324.56	1/4	981.99	1/4	640.64	1/4	304.51	1/4	20.52	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,003.96	1/2	1,660.68	1/2	1,317.40	1/2	974.90	1/2	633.49	1/2	297.90	1/2	17.59	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,996.81	3/4	1,653.53	3/4	1,310.25	3/4	967.81	3/4	626.33	3/4	291.29	3/4	14.67	3/4	3/4	3/4	3/4	3/4	3/4
5	1,989.66	5	1,646.38	5	1,303.10	5	960.71	5	619.18	5	284.77	5		5	5	5	5	5	5
1/4	1,982.50	1/4	1,639.23	1/4	1,295.95	1/4	953.62	1/4	612.03	1/4	278.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,975.35	1/2	1,632.08	1/2	1,288.80	1/2	946.53	1/2	604.88	1/2	271.72	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,968.20	3/4	1,624.92	3/4	1,281.65	3/4	939.44	3/4	597.73	3/4	265.20	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,961.05	6	1,617.77	6	1,274.50	6	932.35	6	590.58	6	258.75	6		6	6	6	6	6	6
1/4	1,953.90	1/4	1,610.62	1/4	1,267.34	1/4	925.26	1/4	583.43	1/4	252.31	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,946.75	1/2	1,603.47	1/2	1,260.19	1/2	918.17	1/2	576.27	1/2	245.87	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,939.59	3/4	1,596.32	3/4	1,253.04	3/4	911.08	3/4	569.12	3/4	239.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,932.44	7	1,589.17	7	1,245.89	7	903.99	7	561.97	7	233.07	7		7	7	7	7	7	7
1/4	1,925.29	1/4	1,582.01	1/4	1,238.74	1/4	896.89	1/4	554.82	1/4	226.72	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,918.14	1/2	1,574.86	1/2	1,231.59	1/2	889.80	1/2	547.67	1/2	220.36	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,910.99	3/4	1,567.71	3/4	1,224.43	3/4	882.71	3/4	540.52	3/4	214.00	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,903.84	8	1,560.56	8	1,217.28	8	875.62	8	533.37	8	207.73	8		8	8	8	8	8	8
1/4	1,896.68	1/4	1,553.41	1/4	1,210.13	1/4	868.53	1/4	526.21	1/4	201.45	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,889.53	1/2	1,546.26	1/2	1,202.98	1/2	861.44	1/2	519.06	1/2	195.18	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,882.38	3/4	1,539.10	3/4	1,195.83	3/4	854.35	3/4	511.91	3/4	188.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,875.23	9	1,531.95	9	1,188.68	9	847.26	9	504.76	9	182.71	9		9	9	9	9	9	9
1/4	1,868.08	1/4	1,524.80	1/4	1,181.52	1/4	840.17	1/4	497.61	1/4	176.52	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,860.93	1/2	1,517.65	1/2	1,174.37	1/2	833.08	1/2	490.46	1/2	170.33	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,853.77	3/4	1,510.50	3/4	1,167.22	3/4	825.98	3/4	483.31	3/4	164.14	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,846.62	10	1,503.35	10	1,160.07	10	818.89	10	476.20	10	158.04	10		10	10	10	10	10	10
1/4	1,839.47	1/4	1,496.19	1/4	1,152.92	1/4	811.80	1/4	469.10	1/4	151.93	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,832.32	1/2	1,489.04	1/2	1,145.77	1/2	804.71	1/2	461.99	1/2	145.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,825.17	3/4	1,481.89	3/4	1,138.61	3/4	797.62	3/4	454.89	3/4	139.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,818.02	11	1,474.74	11	1,131.46	11	790.52	11	447.87	11	133.69	11		11	11	11	11	11	11
1/4	1,810.87	1/4	1,467.59	1/4	1,124.31	1/4	783.42	1/4	440.85	1/4	127.67	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,803.71	1/2	1,460.44	1/2	1,117.16	1/2	776.32	1/2	433.82	1/2	121.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,796.56	3/4	1,453.29	3/4	1,110.01	3/4	769.22	3/4	426.80	3/4	115.62	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

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	2,138.75	0	1,796.02	0	1,453.29	0	1,110.56	0	768.12	0	426.07	0	115.42	0		0		0	
1/4	2,131.61	1/4	1,788.88	1/4	1,446.15	1/4	1,103.42	1/4	760.98	1/4	419.14	1/4	109.49	1/4	1/4	1/4		1/4	
1/2	2,124.47	1/2	1,781.74	1/2	1,439.01	1/2	1,096.28	1/2	753.84	1/2	412.21	1/2	103.56	1/2	1/2	1/2		1/2	
3/4	2,117.33	3/4	1,774.60	3/4	1,431.87	3/4	1,089.14	3/4	746.70	3/4	405.28	3/4	97.63	3/4	3/4	3/4		3/4	
1	2,110.19	1	1,767.46	1	1,424.73	1	1,082.00	1	739.56	1	398.35	1	91.70	1	1	1		1	
1/4	2,103.05	1/4	1,760.32	1/4	1,417.59	1/4	1,074.86	1/4	732.42	1/4	391.50	1/4	85.87	1/4	1/4	1/4		1/4	
1/2	2,095.91	1/2	1,753.18	1/2	1,410.45	1/2	1,067.72	1/2	725.28	1/2	384.65	1/2	80.03	1/2	1/2	1/2		1/2	
3/4	2,088.77	3/4	1,746.04	3/4	1,403.31	3/4	1,060.58	3/4	718.14	3/4	377.81	3/4	74.20	3/4	3/4	3/4		3/4	
2	2,081.63	2	1,738.90	2	1,396.17	2	1,053.44	2	711.00	2	370.96	2	68.36	2	2	2		2	
1/4	2,074.49	1/4	1,731.76	1/4	1,389.03	1/4	1,046.30	1/4	703.86	1/4	364.19	1/4	62.64	1/4	1/4	1/4		1/4	
1/2	2,067.35	1/2	1,724.62	1/2	1,381.89	1/2	1,039.16	1/2	696.72	1/2	357.43	1/2	56.91	1/2	1/2	1/2		1/2	
3/4	2,060.21	3/4	1,717.48	3/4	1,374.75	3/4	1,032.02	3/4	689.58	3/4	350.67	3/4	51.18	3/4	3/4	3/4		3/4	
3	2,053.07	3	1,710.34	3	1,367.61	3	1,024.88	3	682.44	3	343.90	3	45.46	3	3	3		3	
1/4	2,045.93	1/4	1,703.20	1/4	1,360.47	1/4	1,017.75	1/4	675.30	1/4	337.22	1/4	40.67	1/4	1/4	1/4		1/4	
1/2	2,038.79	1/2	1,696.06	1/2	1,353.33	1/2	1,010.62	1/2	668.16	1/2	330.54	1/2	35.89	1/2	1/2	1/2		1/2	
3/4	2,031.65	3/4	1,688.92	3/4	1,346.19	3/4	1,003.49	3/4	661.02	3/4	323.86	3/4	31.10	3/4	3/4	3/4		3/4	
4	2,024.51	4	1,681.78	4	1,339.05	4	996.36	4	653.88	4	317.18	4	26.32	4	4	4		4	
1/4	2,017.37	1/4	1,674.64	1/4	1,331.91	1/4	989.23	1/4	646.74	1/4	310.58	1/4	23.40	1/4	1/4	1/4		1/4	
1/2	2,010.23	1/2	1,667.50	1/2	1,324.77	1/2	982.09	1/2	639.60	1/2	303.98	1/2	20.48	1/2	1/2	1/2		1/2	
3/4	2,003.09	3/4	1,660.36	3/4	1,317.63	3/4	974.96	3/4	632.46	3/4	297.39	3/4	17.56	3/4	3/4	3/4		3/4	
5	1,995.95	5	1,653.22	5	1,310.49	5	967.83	5	625.32	5	290.79	5	14.65	5	5	5		5	
1/4	1,988.81	1/4	1,646.08	1/4	1,303.35	1/4	960.70	1/4	618.18	1/4	284.28	1/4		1/4	1/4	1/4		1/4	
1/2	1,981.67	1/2	1,638.94	1/2	1,296.21	1/2	953.57	1/2	611.04	1/2	277.76	1/2		1/2	1/2	1/2		1/2	
3/4	1,974.53	3/4	1,631.80	3/4	1,289.07	3/4	946.44	3/4	603.90	3/4	271.25	3/4		3/4	3/4	3/4		3/4	
6	1,967.39	6	1,624.66	6	1,281.93	6	939.31	6	596.76	6	264.73	6		6	6	6		6	
1/4	1,960.25	1/4	1,617.52	1/4	1,274.79	1/4	932.17	1/4	589.62	1/4	258.30	1/4		1/4	1/4	1/4		1/4	
1/2	1,953.11	1/2	1,610.38	1/2	1,267.65	1/2	925.04	1/2	582.48	1/2	251.87	1/2		1/2	1/2	1/2		1/2	
3/4	1,945.97	3/4	1,603.24	3/4	1,260.51	3/4	917.91	3/4	575.34	3/4	245.44	3/4		3/4	3/4	3/4		3/4	
7	1,938.83	7	1,596.10	7	1,253.37	7	910.78	7	568.20	7	239.01	7		7	7	7		7	
1/4	1,931.69	1/4	1,588.96	1/4	1,246.23	1/4	903.65	1/4	561.06	1/4	232.67	1/4		1/4	1/4	1/4		1/4	
1/2	1,924.55	1/2	1,581.82	1/2	1,239.09	1/2	896.52	1/2	553.93	1/2	226.32	1/2		1/2	1/2	1/2		1/2	
3/4	1,917.41	3/4	1,574.68	3/4	1,231.95	3/4	889.39	3/4	546.79	3/4	219.97	3/4		3/4	3/4	3/4		3/4	
8	1,910.26	8	1,567.54	8	1,224.81	8	882.26	8	539.65	8	213.63	8		8	8	8		8	
1/4	1,903.12	1/4	1,560.40	1/4	1,217.67	1/4	875.12	1/4	532.51	1/4	207.36	1/4		1/4	1/4	1/4		1/4	
1/2	1,895.98	1/2	1,553.25	1/2	1,210.53	1/2	867.99	1/2	525.37	1/2	201.10	1/2		1/2	1/2	1/2		1/2	
3/4	1,888.84	3/4	1,546.11	3/4	1,203.39	3/4	860.86	3/4	518.23	3/4	194.84	3/4		3/4	3/4	3/4		3/4	
9	1,881.70	9	1,538.97	9	1,196.24	9	853.73	9	511.09	9	188.57	9		9	9	9		9	
1/4	1,874.56	1/4	1,531.83	1/4	1,189.10	1/4	846.60	1/4	503.95	1/4	182.39	1/4		1/4	1/4	1/4		1/4	
1/2	1,867.42	1/2	1,524.69	1/2	1,181.96	1/2	839.47	1/2	496.81	1/2	176.21	1/2		1/2	1/2	1/2		1/2	
3/4	1,860.28	3/4	1,517.55	3/4	1,174.82	3/4	832.34	3/4	489.67	3/4	170.03	3/4		3/4	3/4	3/4		3/4	
10	1,853.14	10	1,510.41	10	1,167.68	10	825.21	10	482.53	10	163.85	10		10	10	10		10	
1/4	1,846.00	1/4	1,503.27	1/4	1,160.54	1/4	818.08	1/4	475.43	1/4	157.76	1/4		1/4	1/4	1/4		1/4	
1/2	1,838.86	1/2	1,496.13	1/2	1,153.40	1/2	810.94	1/2	468.33	1/2	151.66	1/2		1/2	1/2	1/2		1/2	
3/4	1,831.72	3/4	1,488.99	3/4	1,146.26	3/4	803.81	3/4	461.23	3/4	145.56	3/4		3/4	3/4	3/4		3/4	
11	1,824.58	11	1,481.85	11	1,139.12	11	796.68	11	454.13	11	139.47	11		11	11	11		11	
1/4	1,817.44	1/4	1,474.71	1/4	1,131.98	1/4	789.54	1/4	447.12	1/4	133.45	1/4		1/4	1/4	1/4		1/4	
1/2	1,810.30	1/2	1,467.57	1/2	1,124.84	1/2	782.40	1/2	440.10	1/2	127.44	1/2		1/2	1/2	1/2		1/2	
3/4	1,803.16	3/4	1,460.43	3/4	1,117.70	3/4	775.26	3/4	433.09	3/4	121.43	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

2 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-05 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	2,196.61	0	1,853.16	0	1,509.70	0	1,166.25	0	835.88	0	493.87	0	150.43	0		0		0	
1/4	2,189.46	1/4	1,846.00	1/4	1,502.55	1/4	1,159.09	1/4	829.02	1/4	486.71	1/4	143.27	1/4		1/4		1/4	
1/2	2,182.30	1/2	1,838.85	1/2	1,495.39	1/2	1,151.94	1/2	822.15	1/2	479.56	1/2	136.12	1/2		1/2		1/2	
3/4	2,175.15	3/4	1,831.69	3/4	1,488.24	3/4	1,144.78	3/4	815.28	3/4	472.40	3/4	128.96	3/4		3/4		3/4	
1	2,167.99	1	1,824.54	1	1,481.08	1	1,137.63	1	808.40	1	465.25	1	121.81	1		1		1	
1/4	2,160.84	1/4	1,817.38	1/4	1,473.93	1/4	1,130.47	1/4	801.53	1/4	458.09	1/4	114.66	1/4		1/4		1/4	
1/2	2,153.68	1/2	1,810.23	1/2	1,466.77	1/2	1,123.60	1/2	794.38	1/2	450.94	1/2	107.51	1/2		1/2		1/2	
3/4	2,146.53	3/4	1,803.07	3/4	1,459.62	3/4	1,116.73	3/4	787.22	3/4	443.78	3/4	100.37	3/4		3/4		3/4	
2	2,139.37	2	1,795.92	2	1,452.46	2	1,109.85	2	780.07	2	436.63	2	93.22	2		2		2	
1/4	2,132.22	1/4	1,788.76	1/4	1,445.31	1/4	1,102.98	1/4	772.91	1/4	429.47	1/4	86.08	1/4		1/4		1/4	
1/2	2,125.06	1/2	1,781.61	1/2	1,438.15	1/2	1,096.13	1/2	765.76	1/2	422.32	1/2	78.96	1/2		1/2		1/2	
3/4	2,117.90	3/4	1,774.45	3/4	1,431.00	3/4	1,089.27	3/4	758.60	3/4	415.16	3/4	71.84	3/4		3/4		3/4	
3	2,110.75	3	1,767.29	3	1,423.84	3	1,082.41	3	751.45	3	408.01	3	64.72	3		3		3	
1/4	2,103.59	1/4	1,760.14	1/4	1,416.69	1/4	1,075.56	1/4	744.29	1/4	400.85	1/4	57.60	1/4		1/4		1/4	
1/2	2,096.44	1/2	1,752.98	1/2	1,409.53	1/2	1,068.71	1/2	737.14	1/2	393.70	1/2	51.34	1/2		1/2		1/2	
3/4	2,089.28	3/4	1,745.83	3/4	1,402.37	3/4	1,061.86	3/4	729.98	3/4	386.54	3/4	45.08	3/4		3/4		3/4	
4	2,082.13	4	1,738.67	4	1,395.22	4	1,055.02	4	722.83	4	379.39	4	38.83	4		4		4	
1/4	2,074.97	1/4	1,731.52	1/4	1,388.06	1/4	1,048.17	1/4	715.67	1/4	372.23	1/4	32.57	1/4		1/4		1/4	
1/2	2,067.82	1/2	1,724.36	1/2	1,380.91	1/2	1,041.32	1/2	708.52	1/2	365.08	1/2	28.09	1/2		1/2		1/2	
3/4	2,060.66	3/4	1,717.21	3/4	1,373.75	3/4	1,034.47	3/4	701.36	3/4	357.92	3/4	23.62	3/4		3/4		3/4	
5	2,053.51	5	1,710.05	5	1,366.60	5	1,027.63	5	694.21	5	350.77	5	19.15	5		5		5	
1/4	2,046.35	1/4	1,702.90	1/4	1,359.44	1/4	1,020.78	1/4	687.05	1/4	343.61	1/4	14.68	1/4		1/4		1/4	
1/2	2,039.20	1/2	1,695.74	1/2	1,352.29	1/2	1,013.93	1/2	679.90	1/2	336.46	1/2		1/2		1/2		1/2	
3/4	2,032.04	3/4	1,688.59	3/4	1,345.13	3/4	1,007.08	3/4	672.74	3/4	329.30	3/4		3/4		3/4		3/4	
6	2,024.89	6	1,681.43	6	1,337.98	6	1,000.24	6	665.59	6	322.15	6		6		6		6	
1/4	2,017.73	1/4	1,674.28	1/4	1,330.82	1/4	993.39	1/4	658.43	1/4	314.99	1/4		1/4		1/4		1/4	
1/2	2,010.58	1/2	1,667.12	1/2	1,323.67	1/2	986.54	1/2	651.28	1/2	307.84	1/2		1/2		1/2		1/2	
3/4	2,003.42	3/4	1,659.97	3/4	1,316.51	3/4	979.69	3/4	644.12	3/4	300.68	3/4		3/4		3/4		3/4	
7	1,996.26	7	1,652.81	7	1,309.36	7	972.85	7	636.97	7	293.53	7		7		7		7	
1/4	1,989.11	1/4	1,645.65	1/4	1,302.20	1/4	966.00	1/4	629.81	1/4	286.37	1/4		1/4		1/4		1/4	
1/2	1,981.95	1/2	1,638.50	1/2	1,295.05	1/2	959.15	1/2	622.66	1/2	279.22	1/2		1/2		1/2		1/2	
3/4	1,974.80	3/4	1,631.34	3/4	1,287.89	3/4	952.30	3/4	615.50	3/4	272.06	3/4		3/4		3/4		3/4	
8	1,967.64	8	1,624.19	8	1,280.73	8	945.46	8	608.35	8	264.91	8		8		8		8	
1/4	1,960.49	1/4	1,617.03	1/4	1,273.58	1/4	938.61	1/4	601.19	1/4	257.75	1/4		1/4		1/4		1/4	
1/2	1,953.33	1/2	1,609.88	1/2	1,266.42	1/2	931.76	1/2	594.04	1/2	250.60	1/2		1/2		1/2		1/2	
3/4	1,946.18	3/4	1,602.72	3/4	1,259.27	3/4	924.92	3/4	586.88	3/4	243.44	3/4		3/4		3/4		3/4	
9	1,939.02	9	1,595.57	9	1,252.11	9	918.07	9	579.73	9	236.29	9		9		9		9	
1/4	1,931.87	1/4	1,588.41	1/4	1,244.96	1/4	911.22	1/4	572.57	1/4	229.13	1/4		1/4		1/4		1/4	
1/2	1,924.71	1/2	1,581.26	1/2	1,237.80	1/2	904.37	1/2	565.42	1/2	221.98	1/2		1/2		1/2		1/2	
3/4	1,917.56	3/4	1,574.10	3/4	1,230.65	3/4	897.53	3/4	558.26	3/4	214.82	3/4		3/4		3/4		3/4	
10	1,910.40	10	1,566.95	10	1,223.49	10	890.68	10	551.11	10	207.67	10		10		10		10	
1/4	1,903.25	1/4	1,559.79	1/4	1,216.34	1/4	883.83	1/4	543.95	1/4	200.51	1/4		1/4		1/4		1/4	
1/2	1,896.09	1/2	1,552.64	1/2	1,209.18	1/2	876.98	1/2	536.80	1/2	193.36	1/2		1/2		1/2		1/2	
3/4	1,888.93	3/4	1,545.48	3/4	1,202.03	3/4	870.14	3/4	529.64	3/4	186.20	3/4		3/4		3/4		3/4	
11	1,881.78	11	1,538.33	11	1,194.87	11	863.29	11	522.49	11	179.05	11		11		11		11	
1/4	1,874.62	1/4	1,531.17	1/4	1,187.72	1/4	856.44	1/4	515.33	1/4	171.89	1/4		1/4		1/4		1/4	
1/2	1,867.47	1/2	1,524.01	1/2	1,180.56	1/2	849.59	1/2	508.18	1/2	164.74	1/2		1/2		1/2		1/2	
3/4	1,860.31	3/4	1,516.86	3/4	1,173.40	3/4	842.73	3/4	501.02	3/4	157.58	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

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	4,952.44	0	4,610.05	0	4,267.05	0	3,922.78	0	3,578.54	0	3,234.37	0	2,890.14	0	2,545.86
1/4		1/4		1/4	4,945.35	1/4	4,602.91	1/4	4,259.88	1/4	3,915.61	1/4	3,571.37	1/4	3,227.20	1/4	2,882.97	1/4	2,538.69
1/2		1/2		1/2	4,938.25	1/2	4,595.77	1/2	4,252.71	1/2	3,908.43	1/2	3,564.20	1/2	3,220.03	1/2	2,875.80	1/2	2,531.52
3/4		3/4		3/4	4,931.16	3/4	4,588.63	3/4	4,245.54	3/4	3,901.26	3/4	3,557.03	3/4	3,212.86	3/4	2,868.63	3/4	2,524.35
1		1		1	4,924.06	1	4,581.49	1	4,238.36	1	3,894.09	1	3,549.86	1	3,205.69	1	2,861.45	1	2,517.17
1/4		1/4		1/4	4,916.97	1/4	4,574.35	1/4	4,231.19	1/4	3,886.92	1/4	3,542.69	1/4	3,198.52	1/4	2,854.28	1/4	2,510.00
1/2		1/2		1/2	4,909.88	1/2	4,567.21	1/2	4,224.02	1/2	3,879.74	1/2	3,535.52	1/2	3,191.35	1/2	2,847.11	1/2	2,502.83
3/4		3/4		3/4	4,902.78	3/4	4,560.08	3/4	4,216.85	3/4	3,872.57	3/4	3,528.35	3/4	3,184.18	3/4	2,839.94	3/4	2,495.66
2		2		2	4,895.64	2	4,552.94	2	4,209.67	2	3,865.40	2	3,521.18	2	3,177.01	2	2,832.76	2	2,488.48
1/4		1/4		1/4	4,888.50	1/4	4,545.80	1/4	4,202.50	1/4	3,858.23	1/4	3,514.01	1/4	3,169.84	1/4	2,825.59	1/4	2,481.31
1/2		1/2		1/2	4,881.36	1/2	4,538.66	1/2	4,195.33	1/2	3,851.05	1/2	3,506.84	1/2	3,162.67	1/2	2,818.42	1/2	2,474.14
3/4		3/4		3/4	4,874.22	3/4	4,531.52	3/4	4,188.16	3/4	3,843.88	3/4	3,499.67	3/4	3,155.50	3/4	2,811.25	3/4	2,466.97
3		3		3	4,867.08	3	4,524.38	3	4,180.98	3	3,836.71	3	3,492.50	3	3,148.33	3	2,804.07	3	2,459.79
1/4		1/4		1/4	4,859.94	1/4	4,517.24	1/4	4,173.81	1/4	3,829.54	1/4	3,485.33	1/4	3,141.16	1/4	2,796.90	1/4	2,452.62
1/2		1/2		1/2	4,852.80	1/2	4,510.10	1/2	4,166.64	1/2	3,822.36	1/2	3,478.16	1/2	3,133.99	1/2	2,789.73	1/2	2,445.45
3/4		3/4		3/4	4,845.66	3/4	4,502.96	3/4	4,159.47	3/4	3,815.19	3/4	3,470.99	3/4	3,126.82	3/4	2,782.56	3/4	2,438.28
4		4		4	4,838.52	4	4,495.82	4	4,152.29	4	3,808.02	4	3,463.82	4	3,119.65	4	2,775.38	4	2,431.10
1/4		1/4		1/4	4,831.38	1/4	4,488.68	1/4	4,145.12	1/4	3,800.85	1/4	3,456.65	1/4	3,112.48	1/4	2,768.21	1/4	2,423.93
1/2		1/2		1/2	4,824.24	1/2	4,481.54	1/2	4,137.95	1/2	3,793.67	1/2	3,449.48	1/2	3,105.31	1/2	2,761.04	1/2	2,416.76
3/4		3/4		3/4	4,817.10	3/4	4,474.40	3/4	4,130.78	3/4	3,786.50	3/4	3,442.31	3/4	3,098.14	3/4	2,753.87	3/4	2,409.59
5		5		5	4,809.96	5	4,467.26	5	4,123.61	5	3,779.33	5	3,435.14	5	3,090.97	5	2,746.69	5	2,402.41
1/4		1/4		1/4	4,802.83	1/4	4,460.12	1/4	4,116.43	1/4	3,772.16	1/4	3,427.97	1/4	3,083.80	1/4	2,739.52	1/4	2,395.24
1/2		1/2		1/2	4,795.69	1/2	4,452.98	1/2	4,109.26	1/2	3,764.99	1/2	3,420.80	1/2	3,076.63	1/2	2,732.35	1/2	2,388.07
3/4		3/4		3/4	5,104.36	3/4	4,788.55	3/4	4,445.84	3/4	4,102.09	3/4	3,757.81	3/4	3,413.63	3/4	3,069.46	3/4	2,725.18
6		6		6	5,100.55	6	4,781.41	6	4,438.70	6	4,094.92	6	3,750.64	6	3,406.46	6	3,062.28	6	2,718.00
1/4		1/4		1/4	5,096.75	1/4	4,774.27	1/4	4,431.56	1/4	4,087.74	1/4	3,743.47	1/4	3,399.29	1/4	3,055.11	1/4	2,710.83
1/2		1/2		1/2	5,092.94	1/2	4,767.13	1/2	4,424.42	1/2	4,080.57	1/2	3,736.30	1/2	3,392.12	1/2	3,047.94	1/2	2,703.66
3/4		3/4		3/4	5,089.13	3/4	4,759.99	3/4	4,417.28	3/4	4,073.40	3/4	3,729.12	3/4	3,384.94	3/4	3,040.77	3/4	2,696.49
7		7		7	5,084.13	7	4,752.85	7	4,410.14	7	4,066.23	7	3,721.95	7	3,377.77	7	3,033.59	7	2,689.31
1/4		1/4		1/4	5,079.13	1/4	4,745.71	1/4	4,403.00	1/4	4,059.05	1/4	3,714.78	1/4	3,370.60	1/4	3,026.42	1/4	2,682.14
1/2		1/2		1/2	5,074.12	1/2	4,738.57	1/2	4,395.86	1/2	4,051.88	1/2	3,707.61	1/2	3,363.43	1/2	3,019.25	1/2	2,674.97
3/4		3/4		3/4	5,069.12	3/4	4,731.43	3/4	4,388.72	3/4	4,044.71	3/4	3,700.43	3/4	3,356.26	3/4	3,012.08	3/4	2,667.80
8		8		8	5,062.92	8	4,724.29	8	4,381.58	8	4,037.54	8	3,693.26	8	3,349.09	8	3,004.90	8	2,660.62
1/4		1/4		1/4	5,056.72	1/4	4,717.15	1/4	4,374.44	1/4	4,030.36	1/4	3,686.09	1/4	3,341.92	1/4	2,997.73	1/4	2,653.45
1/2		1/2		1/2	5,050.53	1/2	4,710.01	1/2	4,367.30	1/2	4,023.19	1/2	3,678.92	1/2	3,334.75	1/2	2,990.56	1/2	2,646.28
3/4		3/4		3/4	5,044.33	3/4	4,702.87	3/4	4,360.16	3/4	4,016.02	3/4	3,671.75	3/4	3,327.58	3/4	2,983.39	3/4	2,639.11
9		9		9	5,037.30	9	4,695.73	9	4,353.02	9	4,008.85	9	3,664.58	9	3,320.41	9	2,976.21	9	2,631.93
1/4		1/4		1/4	5,030.28	1/4	4,688.59	1/4	4,345.88	1/4	4,001.67	1/4	3,657.41	1/4	3,313.24	1/4	2,969.04	1/4	2,624.76
1/2		1/2		1/2	5,023.25	1/2	4,681.45	1/2	4,338.74	1/2	3,994.50	1/2	3,650.24	1/2	3,306.07	1/2	2,961.87	1/2	2,617.59
3/4		3/4		3/4	5,016.23	3/4	4,674.31	3/4	4,331.60	3/4	3,987.33	3/4	3,643.07	3/4	3,298.90	3/4	2,954.70	3/4	2,610.42
10		10		10	5,009.15	10	4,667.17	10	4,324.43	10	3,980.16	10	3,635.90	10	3,291.73	10	2,947.52	10	2,603.24
1/4		1/4		1/4	5,002.07	1/4	4,660.03	1/4	4,317.26	1/4	3,972.98	1/4	3,628.73	1/4	3,284.56	1/4	2,940.35	1/4	2,596.07
1/2		1/2		1/2	4,994.99	1/2	4,652.89	1/2	4,310.09	1/2	3,965.81	1/2	3,621.56	1/2	3,277.39	1/2	2,933.18	1/2	2,588.90
3/4		3/4		3/4	4,987.91	3/4	4,645.75	3/4	4,302.92	3/4	3,958.64	3/4	3,614.39	3/4	3,270.22	3/4	2,926.01	3/4	2,581.73
11		11		11	4,980.81	11	4,638.61	11	4,295.74	11	3,951.47	11	3,607.22	11	3,263.05	11	2,918.83	11	2,574.55
1/4		1/4		1/4	4,973.72	1/4	4,631.47	1/4	4,288.57	1/4	3,944.30	1/4	3,600.05	1/4	3,255.88	1/4	2,911.66	1/4	2,567.38
1/2		1/2		1/2	4,966.63	1/2	4,624.33	1/2	4,281.40	1/2	3,937.12	1/2	3,592.88	1/2	3,248.71	1/2	2,904.49	1/2	2,560.21
3/4		3/4		3/4	4,959.53	3/4	4,617.19	3/4	4,274.23	3/4	3,929.95	3/4	3,585.71	3/4	3,241.54	3/4	2,897.32	3/4	2,553.04

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP 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 416"

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	2,201.58	0	1,857.30	0	1,513.02	0	1,168.74	0	824.96	0	480.70	0	136.44	0		0		0	
1/4	2,194.41	1/4	1,850.13	1/4	1,505.85	1/4	1,161.57	1/4	817.79	1/4	473.53	1/4	129.27	1/4	1/4	1/4		1/4	
1/2	2,187.24	1/2	1,842.96	1/2	1,498.68	1/2	1,154.40	1/2	810.61	1/2	466.35	1/2	122.10	1/2	1/2	1/2		1/2	
3/4	2,180.07	3/4	1,835.79	3/4	1,491.51	3/4	1,147.23	3/4	803.44	3/4	459.18	3/4	114.93	3/4	3/4	3/4		3/4	
1	2,172.89	1	1,828.61	1	1,484.33	1	1,140.05	1	796.27	1	452.01	1	107.76	1	1	1		1	
1/4	2,165.72	1/4	1,821.44	1/4	1,477.16	1/4	1,132.88	1/4	789.10	1/4	444.84	1/4	100.60	1/4	1/4	1/4		1/4	
1/2	2,158.55	1/2	1,814.27	1/2	1,469.99	1/2	1,125.71	1/2	781.93	1/2	437.66	1/2	93.44	1/2	1/2	1/2		1/2	
3/4	2,151.38	3/4	1,807.10	3/4	1,462.82	3/4	1,118.54	3/4	774.75	3/4	430.49	3/4	86.28	3/4	3/4	3/4		3/4	
2	2,144.20	2	1,799.92	2	1,455.64	2	1,111.37	2	767.58	2	423.32	2	79.14	2	2	2		2	
1/4	2,137.03	1/4	1,792.75	1/4	1,448.47	1/4	1,104.20	1/4	760.41	1/4	416.15	1/4	72.01	1/4	1/4	1/4		1/4	
1/2	2,129.86	1/2	1,785.58	1/2	1,441.30	1/2	1,097.04	1/2	753.24	1/2	408.98	1/2	64.87	1/2	1/2	1/2		1/2	
3/4	2,122.69	3/4	1,778.41	3/4	1,434.13	3/4	1,089.87	3/4	746.07	3/4	401.80	3/4	57.74	3/4	3/4	3/4		3/4	
3	2,115.51	3	1,771.23	3	1,426.95	3	1,082.71	3	738.89	3	394.63	3	51.46	3	3	3		3	
1/4	2,108.34	1/4	1,764.06	1/4	1,419.78	1/4	1,075.55	1/4	731.72	1/4	387.46	1/4	45.19	1/4	1/4	1/4		1/4	
1/2	2,101.17	1/2	1,756.89	1/2	1,412.61	1/2	1,068.40	1/2	724.55	1/2	380.29	1/2	38.91	1/2	1/2	1/2		1/2	
3/4	2,094.00	3/4	1,749.72	3/4	1,405.44	3/4	1,061.24	3/4	717.38	3/4	373.12	3/4	32.64	3/4	3/4	3/4		3/4	
4	2,086.82	4	1,742.54	4	1,398.26	4	1,054.08	4	710.20	4	365.94	4	28.16	4	4	4		4	
1/4	2,079.65	1/4	1,735.37	1/4	1,391.09	1/4	1,046.92	1/4	703.03	1/4	358.77	1/4	23.67	1/4	1/4	1/4		1/4	
1/2	2,072.48	1/2	1,728.20	1/2	1,383.92	1/2	1,039.76	1/2	695.86	1/2	351.60	1/2	19.19	1/2	1/2	1/2		1/2	
3/4	2,065.31	3/4	1,721.03	3/4	1,376.75	3/4	1,032.60	3/4	688.69	3/4	344.43	3/4	14.71	3/4	3/4	3/4		3/4	
5	2,058.13	5	1,713.85	5	1,369.57	5	1,025.44	5	681.52	5	337.26	5		5	5	5		5	
1/4	2,050.96	1/4	1,706.68	1/4	1,362.40	1/4	1,018.29	1/4	674.34	1/4	330.08	1/4		1/4	1/4	1/4		1/4	
1/2	2,043.79	1/2	1,699.51	1/2	1,355.23	1/2	1,011.13	1/2	667.17	1/2	322.91	1/2		1/2	1/2	1/2		1/2	
3/4	2,036.62	3/4	1,692.34	3/4	1,348.06	3/4	1,003.97	3/4	660.00	3/4	315.74	3/4		3/4	3/4	3/4		3/4	
6	2,029.44	6	1,685.16	6	1,340.88	6	996.81	6	652.83	6	308.57	6		6	6	6		6	
1/4	2,022.27	1/4	1,677.99	1/4	1,333.71	1/4	989.65	1/4	645.66	1/4	301.40	1/4		1/4	1/4	1/4		1/4	
1/2	2,015.10	1/2	1,670.82	1/2	1,326.54	1/2	982.49	1/2	638.48	1/2	294.22	1/2		1/2	1/2	1/2		1/2	
3/4	2,007.93	3/4	1,663.65	3/4	1,319.37	3/4	975.34	3/4	631.31	3/4	287.05	3/4		3/4	3/4	3/4		3/4	
7	2,000.75	7	1,656.47	7	1,312.19	7	968.18	7	624.14	7	279.88	7		7	7	7		7	
1/4	1,993.58	1/4	1,649.30	1/4	1,305.02	1/4	961.02	1/4	616.97	1/4	272.71	1/4		1/4	1/4	1/4		1/4	
1/2	1,986.41	1/2	1,642.13	1/2	1,297.85	1/2	953.86	1/2	609.80	1/2	265.53	1/2		1/2	1/2	1/2		1/2	
3/4	1,979.24	3/4	1,634.96	3/4	1,290.68	3/4	946.70	3/4	602.62	3/4	258.36	3/4		3/4	3/4	3/4		3/4	
8	1,972.06	8	1,627.78	8	1,283.50	8	939.54	8	595.45	8	251.19	8		8	8	8		8	
1/4	1,964.89	1/4	1,620.61	1/4	1,276.33	1/4	932.39	1/4	588.28	1/4	244.02	1/4		1/4	1/4	1/4		1/4	
1/2	1,957.72	1/2	1,613.44	1/2	1,269.16	1/2	925.23	1/2	581.11	1/2	236.85	1/2		1/2	1/2	1/2		1/2	
3/4	1,950.55	3/4	1,606.27	3/4	1,261.99	3/4	918.07	3/4	573.93	3/4	229.67	3/4		3/4	3/4	3/4		3/4	
9	1,943.37	9	1,599.09	9	1,254.81	9	910.91	9	566.76	9	222.50	9		9	9	9		9	
1/4	1,936.20	1/4	1,591.92	1/4	1,247.64	1/4	903.75	1/4	559.59	1/4	215.33	1/4		1/4	1/4	1/4		1/4	
1/2	1,929.03	1/2	1,584.75	1/2	1,240.47	1/2	896.60	1/2	552.42	1/2	208.16	1/2		1/2	1/2	1/2		1/2	
3/4	1,921.86	3/4	1,577.58	3/4	1,233.30	3/4	889.44	3/4	545.25	3/4	200.99	3/4		3/4	3/4	3/4		3/4	
10	1,914.68	10	1,570.40	10	1,226.12	10	882.28	10	538.07	10	193.81	10		10	10	10		10	
1/4	1,907.51	1/4	1,563.23	1/4	1,218.95	1/4	875.12	1/4	530.90	1/4	186.64	1/4		1/4	1/4	1/4		1/4	
1/2	1,900.34	1/2	1,556.06	1/2	1,211.78	1/2	867.96	1/2	523.73	1/2	179.47	1/2		1/2	1/2	1/2		1/2	
3/4	1,893.17	3/4	1,548.89	3/4	1,204.61	3/4	860.81	3/4	516.56	3/4	172.30	3/4		3/4	3/4	3/4		3/4	
11	1,885.99	11	1,541.71	11	1,197.43	11	853.64	11	509.39	11	165.13	11		11	11	11		11	
1/4	1,878.82	1/4	1,534.54	1/4	1,190.26	1/4	846.47	1/4	502.21	1/4	157.95	1/4		1/4	1/4	1/4		1/4	
1/2	1,871.65	1/2	1,527.37	1/2	1,183.09	1/2	839.30	1/2	495.04	1/2	150.78	1/2		1/2	1/2	1/2		1/2	
3/4	1,864.48	3/4	1,520.20	3/4	1,175.92	3/4	832.13	3/4	487.87	3/4	143.61	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

3 PORT 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	2,170.73	0	1,829.26	0	1,487.79	0	1,146.33	0	818.32	0	477.49	0	135.58	0		0		0	
1/4	2,163.61	1/4	1,822.15	1/4	1,480.68	1/4	1,139.21	1/4	811.44	1/4	470.37	1/4	128.45	1/4	1/4	1/4		1/4	
1/2	2,156.50	1/2	1,815.03	1/2	1,473.56	1/2	1,132.10	1/2	804.56	1/2	463.26	1/2	121.33	1/2	1/2	1/2		1/2	
3/4	2,149.39	3/4	1,807.92	3/4	1,466.45	3/4	1,124.98	3/4	797.67	3/4	456.14	3/4	114.20	3/4	3/4	3/4		3/4	
1	2,142.27	1	1,800.80	1	1,459.34	1	1,118.10	1	790.56	1	449.03	1	107.08	1	1	1		1	
1/4	2,135.16	1/4	1,793.69	1/4	1,452.22	1/4	1,111.22	1/4	783.44	1/4	441.91	1/4	99.97	1/4	1/4	1/4		1/4	
1/2	2,128.04	1/2	1,786.58	1/2	1,445.11	1/2	1,104.34	1/2	776.33	1/2	434.80	1/2	92.85	1/2	1/2	1/2		1/2	
3/4	2,120.93	3/4	1,779.46	3/4	1,438.00	3/4	1,097.45	3/4	769.21	3/4	427.68	3/4	85.73	3/4	3/4	3/4		3/4	
2	2,113.82	2	1,772.35	2	1,430.88	2	1,090.64	2	762.10	2	420.57	2	78.64	2	2	2		2	
1/4	2,106.70	1/4	1,765.23	1/4	1,423.77	1/4	1,083.83	1/4	754.98	1/4	413.45	1/4	71.55	1/4	1/4	1/4		1/4	
1/2	2,099.59	1/2	1,758.12	1/2	1,416.65	1/2	1,077.01	1/2	747.86	1/2	406.34	1/2	64.46	1/2	1/2	1/2		1/2	
3/4	2,092.47	3/4	1,751.01	3/4	1,409.54	3/4	1,070.20	3/4	740.75	3/4	399.22	3/4	57.37	3/4	3/4	3/4		3/4	
3	2,085.36	3	1,743.89	3	1,402.43	3	1,063.40	3	733.63	3	392.10	3	51.14	3	3	3		3	
1/4	2,078.25	1/4	1,736.78	1/4	1,395.31	1/4	1,056.59	1/4	726.52	1/4	384.99	1/4	44.90	1/4	1/4	1/4		1/4	
1/2	2,071.13	1/2	1,729.67	1/2	1,388.20	1/2	1,049.79	1/2	719.40	1/2	377.87	1/2	38.67	1/2	1/2	1/2		1/2	
3/4	2,064.02	3/4	1,722.55	3/4	1,381.08	3/4	1,042.98	3/4	712.29	3/4	370.76	3/4	32.43	3/4	3/4	3/4		3/4	
4	2,056.90	4	1,715.44	4	1,373.97	4	1,036.18	4	705.17	4	363.63	4	27.98	4	4	4		4	
1/4	2,049.79	1/4	1,708.32	1/4	1,366.86	1/4	1,029.37	1/4	698.06	1/4	356.51	1/4	23.53	1/4	1/4	1/4		1/4	
1/2	2,042.68	1/2	1,701.21	1/2	1,359.74	1/2	1,022.57	1/2	690.94	1/2	349.38	1/2	19.07	1/2	1/2	1/2		1/2	
3/4	2,035.56	3/4	1,694.10	3/4	1,352.63	3/4	1,015.76	3/4	683.83	3/4	342.25	3/4	14.62	3/4	3/4	3/4		3/4	
5	2,028.45	5	1,686.98	5	1,345.51	5	1,008.96	5	676.71	5	335.13	5		5	5	5		5	
1/4	2,021.34	1/4	1,679.87	1/4	1,338.40	1/4	1,002.16	1/4	669.60	1/4	328.00	1/4		1/4	1/4	1/4		1/4	
1/2	2,014.22	1/2	1,672.75	1/2	1,331.29	1/2	995.35	1/2	662.48	1/2	320.87	1/2		1/2	1/2	1/2		1/2	
3/4	2,007.11	3/4	1,665.64	3/4	1,324.17	3/4	988.55	3/4	655.37	3/4	313.74	3/4		3/4	3/4	3/4		3/4	
6	1,999.99	6	1,658.53	6	1,317.06	6	981.74	6	648.25	6	306.62	6		6	6	6		6	
1/4	1,992.88	1/4	1,651.41	1/4	1,309.95	1/4	974.94	1/4	641.14	1/4	299.49	1/4		1/4	1/4	1/4		1/4	
1/2	1,985.77	1/2	1,644.30	1/2	1,302.83	1/2	968.13	1/2	634.02	1/2	292.36	1/2		1/2	1/2	1/2		1/2	
3/4	1,978.65	3/4	1,637.18	3/4	1,295.72	3/4	961.33	3/4	626.91	3/4	285.24	3/4		3/4	3/4	3/4		3/4	
7	1,971.54	7	1,630.07	7	1,288.60	7	954.52	7	619.79	7	278.11	7		7	7	7		7	
1/4	1,964.42	1/4	1,622.96	1/4	1,281.49	1/4	947.72	1/4	612.68	1/4	270.98	1/4		1/4	1/4	1/4		1/4	
1/2	1,957.31	1/2	1,615.84	1/2	1,274.38	1/2	940.91	1/2	605.56	1/2	263.86	1/2		1/2	1/2	1/2		1/2	
3/4	1,950.20	3/4	1,608.73	3/4	1,267.26	3/4	934.11	3/4	598.45	3/4	256.73	3/4		3/4	3/4	3/4		3/4	
8	1,943.08	8	1,601.61	8	1,260.15	8	927.31	8	591.33	8	249.60	8		8	8	8		8	
1/4	1,935.97	1/4	1,594.50	1/4	1,253.03	1/4	920.50	1/4	584.22	1/4	242.48	1/4		1/4	1/4	1/4		1/4	
1/2	1,928.85	1/2	1,587.39	1/2	1,245.92	1/2	913.70	1/2	577.10	1/2	235.35	1/2		1/2	1/2	1/2		1/2	
3/4	1,921.74	3/4	1,580.27	3/4	1,238.81	3/4	906.89	3/4	569.98	3/4	228.22	3/4		3/4	3/4	3/4		3/4	
9	1,914.63	9	1,573.16	9	1,231.69	9	900.09	9	562.87	9	221.10	9		9	9	9		9	
1/4	1,907.51	1/4	1,566.05	1/4	1,224.58	1/4	893.28	1/4	555.75	1/4	213.97	1/4		1/4	1/4	1/4		1/4	
1/2	1,900.40	1/2	1,558.93	1/2	1,217.46	1/2	886.48	1/2	548.64	1/2	206.84	1/2		1/2	1/2	1/2		1/2	
3/4	1,893.28	3/4	1,551.82	3/4	1,210.35	3/4	879.67	3/4	541.52	3/4	199.72	3/4		3/4	3/4	3/4		3/4	
10	1,886.17	10	1,544.70	10	1,203.24	10	872.87	10	534.41	10	192.59	10		10	10	10		10	
1/4	1,879.06	1/4	1,537.59	1/4	1,196.12	1/4	866.07	1/4	527.29	1/4	185.46	1/4		1/4	1/4	1/4		1/4	
1/2	1,871.94	1/2	1,530.48	1/2	1,189.01	1/2	859.26	1/2	520.18	1/2	178.34	1/2		1/2	1/2	1/2		1/2	
3/4	1,864.83	3/4	1,523.36	3/4	1,181.89	3/4	852.46	3/4	513.06	3/4	171.21	3/4		3/4	3/4	3/4		3/4	
11	1,857.72	11	1,516.25	11	1,174.78	11	845.64	11	505.95	11	164.08	11		11	11	11		11	
1/4	1,850.60	1/4	1,509.13	1/4	1,167.67	1/4	838.83	1/4	498.83	1/4	156.96	1/4		1/4	1/4	1/4		1/4	
1/2	1,843.49	1/2	1,502.02	1/2	1,160.55	1/2	832.02	1/2	491.72	1/2	149.83	1/2		1/2	1/2	1/2		1/2	
3/4	1,836.37	3/4	1,494.91	3/4	1,153.44	3/4	825.21	3/4	484.60	3/4	142.70	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

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



CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

3 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-04 1/2"

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	2,182.07	0	1,839.73	0	1,497.38	0	1,155.04	0	813.21	0	470.88	0	128.55	0		0		0	
1/4	2,174.93	1/4	1,832.59	1/4	1,490.25	1/4	1,147.91	1/4	806.08	1/4	463.74	1/4	121.42	1/4	1/4	1/4		1/4	
1/2	2,167.80	1/2	1,825.46	1/2	1,483.12	1/2	1,140.78	1/2	798.94	1/2	456.61	1/2	114.29	1/2	1/2	1/2		1/2	
3/4	2,160.67	3/4	1,818.33	3/4	1,475.99	3/4	1,133.65	3/4	791.81	3/4	449.48	3/4	107.17	3/4	3/4	3/4		3/4	
1	2,153.54	1	1,811.20	1	1,468.86	1	1,126.52	1	784.68	1	442.35	1	100.04	1	1	1		1	
1/4	2,146.41	1/4	1,804.06	1/4	1,461.72	1/4	1,119.38	1/4	777.55	1/4	435.22	1/4	92.92	1/4	1/4	1/4		1/4	
1/2	2,139.27	1/2	1,796.93	1/2	1,454.59	1/2	1,112.25	1/2	770.42	1/2	428.08	1/2	85.80	1/2	1/2	1/2		1/2	
3/4	2,132.14	3/4	1,789.80	3/4	1,447.46	3/4	1,105.12	3/4	763.28	3/4	420.95	3/4	78.71	3/4	3/4	3/4		3/4	
2	2,125.01	2	1,782.67	2	1,440.33	2	1,098.00	2	756.15	2	413.82	2	71.61	2	2	2		2	
1/4	2,117.88	1/4	1,775.54	1/4	1,433.20	1/4	1,090.87	1/4	749.02	1/4	406.69	1/4	64.51	1/4	1/4	1/4		1/4	
1/2	2,110.74	1/2	1,768.40	1/2	1,426.06	1/2	1,083.75	1/2	741.89	1/2	399.56	1/2	57.42	1/2	1/2	1/2		1/2	
3/4	2,103.61	3/4	1,761.27	3/4	1,418.93	3/4	1,076.63	3/4	734.76	3/4	392.43	3/4	51.18	3/4	3/4	3/4		3/4	
3	2,096.48	3	1,754.14	3	1,411.80	3	1,069.51	3	727.62	3	385.29	3	44.94	3	3	3		3	
1/4	2,089.35	1/4	1,747.01	1/4	1,404.67	1/4	1,062.39	1/4	720.49	1/4	378.16	1/4	38.70	1/4	1/4	1/4		1/4	
1/2	2,082.22	1/2	1,739.88	1/2	1,397.53	1/2	1,055.27	1/2	713.36	1/2	371.03	1/2	32.46	1/2	1/2	1/2		1/2	
3/4	2,075.08	3/4	1,732.74	3/4	1,390.40	3/4	1,048.16	3/4	706.23	3/4	363.90	3/4	28.01	3/4	3/4	3/4		3/4	
4	2,067.95	4	1,725.61	4	1,383.27	4	1,041.04	4	699.10	4	356.77	4	23.55	4	4	4		4	
1/4	2,060.82	1/4	1,718.48	1/4	1,376.14	1/4	1,033.92	1/4	691.97	1/4	349.63	1/4	19.09	1/4	1/4	1/4		1/4	
1/2	2,053.69	1/2	1,711.35	1/2	1,369.01	1/2	1,026.80	1/2	684.83	1/2	342.50	1/2	14.63	1/2	1/2	1/2		1/2	
3/4	2,046.56	3/4	1,704.22	3/4	1,361.87	3/4	1,019.68	3/4	677.70	3/4	335.37	3/4		3/4	3/4	3/4		3/4	
5	2,039.42	5	1,697.08	5	1,354.74	5	1,012.57	5	670.57	5	328.24	5		5	5	5		5	
1/4	2,032.29	1/4	1,689.95	1/4	1,347.61	1/4	1,005.45	1/4	663.44	1/4	321.11	1/4		1/4	1/4	1/4		1/4	
1/2	2,025.16	1/2	1,682.82	1/2	1,340.48	1/2	998.33	1/2	656.31	1/2	313.97	1/2		1/2	1/2	1/2		1/2	
3/4	2,018.03	3/4	1,675.69	3/4	1,333.35	3/4	991.21	3/4	649.17	3/4	306.84	3/4		3/4	3/4	3/4		3/4	
6	2,010.90	6	1,668.55	6	1,326.21	6	984.09	6	642.04	6	299.71	6		6	6	6		6	
1/4	2,003.76	1/4	1,661.42	1/4	1,319.08	1/4	976.98	1/4	634.91	1/4	292.58	1/4		1/4	1/4	1/4		1/4	
1/2	1,996.63	1/2	1,654.29	1/2	1,311.95	1/2	969.86	1/2	627.78	1/2	285.45	1/2		1/2	1/2	1/2		1/2	
3/4	1,989.50	3/4	1,647.16	3/4	1,304.82	3/4	962.74	3/4	620.65	3/4	278.31	3/4		3/4	3/4	3/4		3/4	
7	1,982.37	7	1,640.03	7	1,297.69	7	955.62	7	613.51	7	271.18	7		7	7	7		7	
1/4	1,975.23	1/4	1,632.89	1/4	1,290.55	1/4	948.50	1/4	606.38	1/4	264.05	1/4		1/4	1/4	1/4		1/4	
1/2	1,968.10	1/2	1,625.76	1/2	1,283.42	1/2	941.39	1/2	599.25	1/2	256.92	1/2		1/2	1/2	1/2		1/2	
3/4	1,960.97	3/4	1,618.63	3/4	1,276.29	3/4	934.27	3/4	592.12	3/4	249.79	3/4		3/4	3/4	3/4		3/4	
8	1,953.84	8	1,611.50	8	1,269.16	8	927.15	8	584.99	8	242.66	8		8	8	8		8	
1/4	1,946.71	1/4	1,604.37	1/4	1,262.02	1/4	920.03	1/4	577.85	1/4	235.52	1/4		1/4	1/4	1/4		1/4	
1/2	1,939.57	1/2	1,597.23	1/2	1,254.89	1/2	912.91	1/2	570.72	1/2	228.39	1/2		1/2	1/2	1/2		1/2	
3/4	1,932.44	3/4	1,590.10	3/4	1,247.76	3/4	905.80	3/4	563.59	3/4	221.26	3/4		3/4	3/4	3/4		3/4	
9	1,925.31	9	1,582.97	9	1,240.63	9	898.68	9	556.46	9	214.13	9		9	9	9		9	
1/4	1,918.18	1/4	1,575.84	1/4	1,233.50	1/4	891.56	1/4	549.33	1/4	207.00	1/4		1/4	1/4	1/4		1/4	
1/2	1,911.05	1/2	1,568.71	1/2	1,226.36	1/2	884.44	1/2	542.20	1/2	199.86	1/2		1/2	1/2	1/2		1/2	
3/4	1,903.91	3/4	1,561.57	3/4	1,219.23	3/4	877.32	3/4	535.06	3/4	192.73	3/4		3/4	3/4	3/4		3/4	
10	1,896.78	10	1,554.44	10	1,212.10	10	870.21	10	527.93	10	185.60	10		10	10	10		10	
1/4	1,889.65	1/4	1,547.31	1/4	1,204.97	1/4	863.09	1/4	520.80	1/4	178.47	1/4		1/4	1/4	1/4		1/4	
1/2	1,882.52	1/2	1,540.18	1/2	1,197.84	1/2	855.97	1/2	513.67	1/2	171.34	1/2		1/2	1/2	1/2		1/2	
3/4	1,875.39	3/4	1,533.04	3/4	1,190.70	3/4	848.85	3/4	506.54	3/4	164.20	3/4		3/4	3/4	3/4		3/4	
11	1,868.25	11	1,525.91	11	1,183.57	11	841.72	11	499.40	11	157.07	11		11	11	11		11	
1/4	1,861.12	1/4	1,518.78	1/4	1,176.44	1/4	834.60	1/4	492.27	1/4	149.94	1/4		1/4	1/4	1/4		1/4	
1/2	1,853.99	1/2	1,511.65	1/2	1,169.31	1/2	827.47	1/2	485.14	1/2	142.81	1/2		1/2	1/2	1/2		1/2	
3/4	1,846.86	3/4	1,504.52	3/4	1,162.18	3/4	820.34	3/4	478.01	3/4	135.68	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

INNAGE (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	- 08-1/8	08-1/8	- 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	- 08-1/8	08-1/8	- 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 INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-03 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

March 3, 2021

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

<http://www.pmacorp.net>



BARGE "MPX 416"

**1 PORT
INNAGE 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	3,326.88	0	3,670.05	0	4,013.31	0	4,356.11	0	4,697.80	0	5,019.33	0		0		0		0	
1/4	3,334.03	1/4	3,677.20	1/4	4,020.47	1/4	4,363.23	1/4	4,704.92	1/4	5,022.53	1/4		1/4	1/4	1/4		1/4	
1/2	3,341.18	1/2	3,684.35	1/2	4,027.62	1/2	4,370.35	1/2	4,712.03	1/2	5,025.73	1/2		1/2	1/2	1/2		1/2	
3/4	3,348.33	3/4	3,691.51	3/4	4,034.77	3/4	4,377.46	3/4	4,719.15	3/4	5,028.93	3/4		3/4	3/4	3/4		3/4	
1	3,355.48	1	3,698.66	1	4,041.92	1	4,384.58	1	4,726.27	1	5,032.13	1		1		1		1	
1/4	3,362.63	1/4	3,705.81	1/4	4,049.07	1/4	4,391.70	1/4	4,733.39	1/4	5,034.14	1/4		1/4	1/4	1/4		1/4	
1/2	3,369.78	1/2	3,712.96	1/2	4,056.22	1/2	4,398.82	1/2	4,740.51	1/2	5,036.14	1/2		1/2	1/2	1/2		1/2	
3/4	3,376.93	3/4	3,720.11	3/4	4,063.37	3/4	4,405.94	3/4	4,747.63	3/4	5,038.15	3/4		3/4	3/4	3/4		3/4	
2	3,384.08	2	3,727.26	2	4,070.52	2	4,413.06	2	4,754.75	2	5,040.16	2		2		2		2	
1/4	3,391.23	1/4	3,734.41	1/4	4,077.68	1/4	4,420.18	1/4	4,761.86	1/4	5,041.09	1/4		1/4	1/4	1/4		1/4	
1/2	3,398.38	1/2	3,741.56	1/2	4,084.83	1/2	4,427.29	1/2	4,768.98	1/2	5,042.02	1/2		1/2	1/2	1/2		1/2	
3/4	3,405.52	3/4	3,748.72	3/4	4,091.98	3/4	4,434.41	3/4	4,776.10	3/4	5,042.95	3/4		3/4	3/4	3/4		3/4	
3	3,412.67	3	3,755.87	3	4,099.13	3	4,441.53	3	4,783.22	3	5,043.88	3		3		3		3	
1/4	3,419.82	1/4	3,763.02	1/4	4,106.28	1/4	4,448.65	1/4	4,790.34	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,426.97	1/2	3,770.17	1/2	4,113.43	1/2	4,455.77	1/2	4,797.46	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,434.12	3/4	3,777.32	3/4	4,120.58	3/4	4,462.89	3/4	4,804.57	3/4		3/4		3/4	3/4	3/4		3/4	
4	3,441.27	4	3,784.47	4	4,127.74	4	4,470.01	4	4,811.69	4		4		4		4		4	
1/4	3,448.42	1/4	3,791.62	1/4	4,134.89	1/4	4,477.12	1/4	4,818.79	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,455.57	1/2	3,798.78	1/2	4,142.04	1/2	4,484.24	1/2	4,825.89	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,462.72	3/4	3,805.93	3/4	4,149.19	3/4	4,491.36	3/4	4,832.98	3/4		3/4		3/4	3/4	3/4		3/4	
5	3,469.87	5	3,813.08	5	4,156.34	5	4,498.48	5	4,840.08	5		5		5		5		5	
1/4	3,477.02	1/4	3,820.23	1/4	4,163.49	1/4	4,505.60	1/4	4,847.15	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,484.17	1/2	3,827.38	1/2	4,170.64	1/2	4,512.72	1/2	4,854.23	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,491.32	3/4	3,834.53	3/4	4,177.79	3/4	4,519.83	3/4	4,861.30	3/4		3/4		3/4	3/4	3/4		3/4	
6	3,498.47	6	3,841.68	6	4,184.95	6	4,526.95	6	4,868.37	6		6		6		6		6	
1/4	3,505.61	1/4	3,848.83	1/4	4,192.10	1/4	4,534.07	1/4	4,875.45	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,512.76	1/2	3,855.99	1/2	4,199.25	1/2	4,541.19	1/2	4,882.52	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,519.91	3/4	3,863.14	3/4	4,206.40	3/4	4,548.31	3/4	4,889.59	3/4		3/4		3/4	3/4	3/4		3/4	
7	3,527.06	7	3,870.29	7	4,213.55	7	4,555.43	7	4,896.67	7		7		7		7		7	
1/4	3,534.21	1/4	3,877.44	1/4	4,220.70	1/4	4,562.55	1/4	4,903.73	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,541.36	1/2	3,884.59	1/2	4,227.85	1/2	4,569.66	1/2	4,910.80	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,548.51	3/4	3,891.74	3/4	4,235.00	3/4	4,576.78	3/4	4,917.86	3/4		3/4		3/4	3/4	3/4		3/4	
8	3,555.66	8	3,898.89	8	4,242.16	8	4,583.90	8	4,924.93	8		8		8		8		8	
1/4	3,562.81	1/4	3,906.04	1/4	4,249.29	1/4	4,591.02	1/4	4,931.96	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,569.96	1/2	3,913.20	1/2	4,256.42	1/2	4,598.14	1/2	4,938.99	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,577.11	3/4	3,920.35	3/4	4,263.55	3/4	4,605.26	3/4	4,946.03	3/4		3/4		3/4	3/4	3/4		3/4	
9	3,584.26	9	3,927.50	9	4,270.69	9	4,612.38	9	4,953.06	9		9		9		9		9	
1/4	3,591.41	1/4	3,934.65	1/4	4,277.81	1/4	4,619.49	1/4	4,959.65	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,598.56	1/2	3,941.80	1/2	4,284.92	1/2	4,626.61	1/2	4,966.24	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,605.70	3/4	3,948.95	3/4	4,292.04	3/4	4,633.73	3/4	4,972.83	3/4		3/4		3/4	3/4	3/4		3/4	
10	3,612.85	10	3,956.10	10	4,299.16	10	4,640.85	10	4,979.43	10		10		10		10		10	
1/4	3,620.00	1/4	3,963.26	1/4	4,306.28	1/4	4,647.97	1/4	4,985.01	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,627.15	1/2	3,970.41	1/2	4,313.40	1/2	4,655.09	1/2	4,990.59	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,634.30	3/4	3,977.56	3/4	4,320.52	3/4	4,662.20	3/4	4,996.18	3/4		3/4		3/4	3/4	3/4		3/4	
11	3,641.45	11	3,984.71	11	4,327.64	11	4,669.32	11	5,001.76	11		11		11		11		11	
1/4	3,648.60	1/4	3,991.86	1/4	4,334.75	1/4	4,676.44	1/4	5,006.15	1/4		1/4		1/4	1/4	1/4		1/4	
1/2	3,655.75	1/2	3,999.01	1/2	4,341.87	1/2	4,683.56	1/2	5,010.55	1/2		1/2		1/2	1/2	1/2		1/2	
3/4	3,662.90	3/4	4,006.16	3/4	4,348.99	3/4	4,690.68	3/4	5,014.94	3/4		3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

**1 STBD
INNAGE 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	3,323.89	0	3,666.51	0	4,009.22	0	4,351.48	0	4,692.62	0	5,013.63	0		0		0		0	
1/4	3,331.03	1/4	3,673.65	1/4	4,016.36	1/4	4,358.58	1/4	4,699.72	1/4	5,016.82	1/4		1/4		1/4		1/4	
1/2	3,338.17	1/2	3,680.79	1/2	4,023.50	1/2	4,365.69	1/2	4,706.83	1/2	5,020.02	1/2		1/2		1/2		1/2	
3/4	3,345.30	3/4	3,687.93	3/4	4,030.64	3/4	4,372.80	3/4	4,713.94	3/4	5,023.21	3/4		3/4		3/4		3/4	
1	3,352.44	1	3,695.07	1	4,037.78	1	4,379.90	1	4,721.05	1	5,026.41	1		1		1		1	
1/4	3,359.58	1/4	3,702.21	1/4	4,044.92	1/4	4,387.01	1/4	4,728.15	1/4	5,028.41	1/4		1/4		1/4		1/4	
1/2	3,366.72	1/2	3,709.35	1/2	4,052.06	1/2	4,394.12	1/2	4,735.26	1/2	5,030.42	1/2		1/2		1/2		1/2	
3/4	3,373.85	3/4	3,716.49	3/4	4,059.20	3/4	4,401.23	3/4	4,742.37	3/4	5,032.42	3/4		3/4		3/4		3/4	
2	3,380.99	2	3,723.63	2	4,066.34	2	4,408.33	2	4,749.47	2	5,034.43	2		2		2		2	
1/4	3,388.13	1/4	3,730.77	1/4	4,073.48	1/4	4,415.44	1/4	4,756.58	1/4	5,035.35	1/4		1/4		1/4		1/4	
1/2	3,395.27	1/2	3,737.91	1/2	4,080.62	1/2	4,422.55	1/2	4,763.69	1/2	5,036.28	1/2		1/2		1/2		1/2	
3/4	3,402.41	3/4	3,745.05	3/4	4,087.76	3/4	4,429.65	3/4	4,770.79	3/4	5,037.21	3/4		3/4		3/4		3/4	
3	3,409.54	3	3,752.19	3	4,094.90	3	4,436.76	3	4,777.90	3	5,038.14	3		3		3		3	
1/4	3,416.68	1/4	3,759.33	1/4	4,102.04	1/4	4,443.87	1/4	4,785.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,423.82	1/2	3,766.47	1/2	4,109.18	1/2	4,450.98	1/2	4,792.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,430.96	3/4	3,773.61	3/4	4,116.32	3/4	4,458.08	3/4	4,799.22	3/4		3/4		3/4		3/4		3/4	
4	3,438.10	4	3,780.75	4	4,123.46	4	4,465.19	4	4,806.33	4		4		4		4		4	
1/4	3,445.23	1/4	3,787.89	1/4	4,130.60	1/4	4,472.30	1/4	4,813.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,452.37	1/2	3,795.03	1/2	4,137.74	1/2	4,479.40	1/2	4,820.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,459.51	3/4	3,802.17	3/4	4,144.88	3/4	4,486.51	3/4	4,827.59	3/4		3/4		3/4		3/4		3/4	
5	3,466.65	5	3,809.31	5	4,152.02	5	4,493.62	5	4,834.67	5		5		5		5		5	
1/4	3,473.78	1/4	3,816.45	1/4	4,159.16	1/4	4,500.72	1/4	4,841.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,480.92	1/2	3,823.59	1/2	4,166.30	1/2	4,507.83	1/2	4,848.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,488.06	3/4	3,830.73	3/4	4,173.44	3/4	4,514.94	3/4	4,855.86	3/4		3/4		3/4		3/4		3/4	
6	3,495.20	6	3,837.87	6	4,180.58	6	4,522.05	6	4,862.92	6		6		6		6		6	
1/4	3,502.34	1/4	3,845.01	1/4	4,187.72	1/4	4,529.15	1/4	4,869.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,509.47	1/2	3,852.15	1/2	4,194.86	1/2	4,536.26	1/2	4,877.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,516.61	3/4	3,859.29	3/4	4,202.00	3/4	4,543.37	3/4	4,884.10	3/4		3/4		3/4		3/4		3/4	
7	3,523.75	7	3,866.43	7	4,209.14	7	4,550.47	7	4,891.17	7		7		7		7		7	
1/4	3,530.89	1/4	3,873.57	1/4	4,216.28	1/4	4,557.58	1/4	4,898.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,538.02	1/2	3,880.71	1/2	4,223.42	1/2	4,564.69	1/2	4,905.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,545.16	3/4	3,887.85	3/4	4,230.56	3/4	4,571.80	3/4	4,912.33	3/4		3/4		3/4		3/4		3/4	
8	3,552.30	8	3,894.99	8	4,237.70	8	4,578.90	8	4,919.38	8		8		8		8		8	
1/4	3,559.44	1/4	3,902.13	1/4	4,244.82	1/4	4,586.01	1/4	4,926.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,566.58	1/2	3,909.27	1/2	4,251.94	1/2	4,593.12	1/2	4,933.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,573.71	3/4	3,916.41	3/4	4,259.07	3/4	4,600.22	3/4	4,940.44	3/4		3/4		3/4		3/4		3/4	
9	3,580.85	9	3,923.55	9	4,266.19	9	4,607.33	9	4,947.47	9		9		9		9		9	
1/4	3,587.99	1/4	3,930.69	1/4	4,273.30	1/4	4,614.44	1/4	4,954.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,595.13	1/2	3,937.83	1/2	4,280.40	1/2	4,621.55	1/2	4,960.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,602.26	3/4	3,944.97	3/4	4,287.51	3/4	4,628.65	3/4	4,967.21	3/4		3/4		3/4		3/4		3/4	
10	3,609.40	10	3,952.11	10	4,294.62	10	4,635.76	10	4,973.79	10		10		10		10		10	
1/4	3,616.54	1/4	3,959.25	1/4	4,301.73	1/4	4,642.87	1/4	4,979.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,623.68	1/2	3,966.39	1/2	4,308.83	1/2	4,649.97	1/2	4,984.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,630.82	3/4	3,973.53	3/4	4,315.94	3/4	4,657.08	3/4	4,990.52	3/4		3/4		3/4		3/4		3/4	
11	3,637.96	11	3,980.67	11	4,323.05	11	4,664.19	11	4,996.09	11		11		11		11		11	
1/4	3,645.10	1/4	3,987.81	1/4	4,330.15	1/4	4,671.30	1/4	5,000.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,652.24	1/2	3,994.95	1/2	4,337.26	1/2	4,678.40	1/2	5,004.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,659.37	3/4	4,002.09	3/4	4,344.37	3/4	4,685.51	3/4	5,009.24	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

3 PORT INNAGE 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	3,352.56	0	3,561.44	0	3,771.09	0	3,980.48	0	4,189.21	0	4,379.67	0		0		0		0	
1/4	3,356.89	1/4	3,565.81	1/4	3,775.46	1/4	3,984.82	1/4	4,193.56	1/4	4,381.38	1/4		1/4		1/4		1/4	
1/2	3,361.22	1/2	3,570.17	1/2	3,779.83	1/2	3,989.17	1/2	4,197.91	1/2	4,383.08	1/2		1/2		1/2		1/2	
3/4	3,365.56	3/4	3,574.54	3/4	3,784.20	3/4	3,993.52	3/4	4,202.26	3/4	4,384.79	3/4		3/4		3/4		3/4	
1	3,369.89	1	3,578.91	1	3,788.56	1	3,997.87	1	4,206.61	1	4,386.49	1		1		1		1	
1/4	3,374.23	1/4	3,583.28	1/4	3,792.93	1/4	4,002.22	1/4	4,210.96	1/4	4,388.20	1/4		1/4		1/4		1/4	
1/2	3,378.58	1/2	3,587.64	1/2	3,797.30	1/2	4,006.57	1/2	4,215.30	1/2	4,389.91	1/2		1/2		1/2		1/2	
3/4	3,382.92	3/4	3,592.01	3/4	3,801.67	3/4	4,010.92	3/4	4,219.65	3/4	4,391.61	3/4		3/4		3/4		3/4	
2	3,387.26	2	3,596.38	2	3,806.03	2	4,015.26	2	4,224.00	2	4,393.32	2		2		2		2	
1/4	3,391.62	1/4	3,600.75	1/4	3,810.40	1/4	4,019.61	1/4	4,228.35	1/4	4,394.40	1/4		1/4		1/4		1/4	
1/2	3,395.97	1/2	3,605.12	1/2	3,814.77	1/2	4,023.96	1/2	4,232.70	1/2	4,395.47	1/2		1/2		1/2		1/2	
3/4	3,400.32	3/4	3,609.48	3/4	3,819.14	3/4	4,028.31	3/4	4,237.05	3/4	4,396.55	3/4		3/4		3/4		3/4	
3	3,404.67	3	3,613.85	3	3,823.51	3	4,032.66	3	4,241.40	3	4,397.62	3		3		3		3	
1/4	3,409.02	1/4	3,618.22	1/4	3,827.87	1/4	4,037.01	1/4	4,245.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,413.38	1/2	3,622.59	1/2	3,832.24	1/2	4,041.36	1/2	4,250.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,417.73	3/4	3,626.95	3/4	3,836.61	3/4	4,045.71	3/4	4,254.44	3/4		3/4		3/4		3/4		3/4	
4	3,422.08	4	3,631.32	4	3,840.98	4	4,050.05	4	4,258.79	4		4		4		4		4	
1/4	3,426.43	1/4	3,635.69	1/4	3,845.34	1/4	4,054.40	1/4	4,263.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,430.78	1/2	3,640.06	1/2	3,849.71	1/2	4,058.75	1/2	4,267.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,435.14	3/4	3,644.43	3/4	3,854.08	3/4	4,063.10	3/4	4,271.79	3/4		3/4		3/4		3/4		3/4	
5	3,439.49	5	3,648.79	5	3,858.45	5	4,067.45	5	4,276.13	5		5		5		5		5	
1/4	3,443.84	1/4	3,653.16	1/4	3,862.82	1/4	4,071.80	1/4	4,280.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,448.19	1/2	3,657.53	1/2	3,867.18	1/2	4,076.15	1/2	4,284.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,452.54	3/4	3,661.90	3/4	3,871.55	3/4	4,080.50	3/4	4,289.09	3/4		3/4		3/4		3/4		3/4	
6	3,456.90	6	3,666.27	6	3,875.92	6	4,084.84	6	4,293.41	6		6		6		6		6	
1/4	3,461.25	1/4	3,670.63	1/4	3,880.29	1/4	4,089.19	1/4	4,297.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,465.60	1/2	3,675.00	1/2	3,884.66	1/2	4,093.54	1/2	4,302.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,469.95	3/4	3,679.37	3/4	3,889.02	3/4	4,097.89	3/4	4,306.37	3/4		3/4		3/4		3/4		3/4	
7	3,474.30	7	3,683.74	7	3,893.39	7	4,102.24	7	4,310.69	7		7		7		7		7	
1/4	3,478.66	1/4	3,688.10	1/4	3,897.76	1/4	4,106.59	1/4	4,315.00	1/4		1/4		1/4		1/4		1/4	
1/2	3,483.01	1/2	3,692.47	1/2	3,902.13	1/2	4,110.94	1/2	4,319.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,487.36	3/4	3,696.84	3/4	3,906.49	3/4	4,115.28	3/4	4,323.63	3/4		3/4		3/4		3/4		3/4	
8	3,491.71	8	3,701.21	8	3,910.86	8	4,119.63	8	4,327.94	8		8		8		8		8	
1/4	3,496.06	1/4	3,705.58	1/4	3,915.22	1/4	4,123.98	1/4	4,332.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,500.42	1/2	3,709.94	1/2	3,919.58	1/2	4,128.33	1/2	4,336.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,504.77	3/4	3,714.31	3/4	3,923.93	3/4	4,132.68	3/4	4,340.78	3/4		3/4		3/4		3/4		3/4	
9	3,509.12	9	3,718.68	9	3,928.29	9	4,137.03	9	4,345.06	9		9		9		9		9	
1/4	3,513.47	1/4	3,723.05	1/4	3,932.64	1/4	4,141.38	1/4	4,348.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,517.82	1/2	3,727.41	1/2	3,936.99	1/2	4,145.73	1/2	4,352.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,522.18	3/4	3,731.78	3/4	3,941.34	3/4	4,150.07	3/4	4,356.58	3/4		3/4		3/4		3/4		3/4	
10	3,526.53	10	3,736.15	10	3,945.69	10	4,154.42	10	4,360.43	10		10		10		10		10	
1/4	3,530.89	1/4	3,740.52	1/4	3,950.03	1/4	4,158.77	1/4	4,363.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,535.25	1/2	3,744.89	1/2	3,954.38	1/2	4,163.12	1/2	4,366.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,539.61	3/4	3,749.25	3/4	3,958.73	3/4	4,167.47	3/4	4,368.94	3/4		3/4		3/4		3/4		3/4	
11	3,543.97	11	3,753.62	11	3,963.08	11	4,171.82	11	4,371.77	11		11		11		11		11	
1/4	3,548.33	1/4	3,757.99	1/4	3,967.43	1/4	4,176.17	1/4	4,373.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,552.70	1/2	3,762.36	1/2	3,971.78	1/2	4,180.52	1/2	4,375.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,557.07	3/4	3,766.72	3/4	3,976.13	3/4	4,184.86	3/4	4,377.69	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

**3 STBD
INNAGE 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	3,372.22	0	3,581.96	0	3,791.91	0	4,001.60	0	4,210.63	0	4,401.38	0		0		0		0	
1/4	3,376.56	1/4	3,586.34	1/4	3,796.29	1/4	4,005.95	1/4	4,214.99	1/4	4,403.09	1/4		1/4		1/4		1/4	
1/2	3,380.90	1/2	3,590.71	1/2	3,800.66	1/2	4,010.31	1/2	4,219.34	1/2	4,404.80	1/2		1/2		1/2		1/2	
3/4	3,385.24	3/4	3,595.08	3/4	3,805.04	3/4	4,014.66	3/4	4,223.70	3/4	4,406.50	3/4		3/4		3/4		3/4	
1	3,389.58	1	3,599.46	1	3,809.41	1	4,019.02	1	4,228.05	1	4,408.21	1		1		1		1	
1/4	3,393.93	1/4	3,603.83	1/4	3,813.78	1/4	4,023.37	1/4	4,232.41	1/4	4,409.92	1/4		1/4		1/4		1/4	
1/2	3,398.29	1/2	3,608.21	1/2	3,818.16	1/2	4,027.73	1/2	4,236.76	1/2	4,411.63	1/2		1/2		1/2		1/2	
3/4	3,402.65	3/4	3,612.58	3/4	3,822.53	3/4	4,032.08	3/4	4,241.12	3/4	4,413.34	3/4		3/4		3/4		3/4	
2	3,407.00	2	3,616.95	2	3,826.91	2	4,036.44	2	4,245.47	2	4,415.05	2		2		2		2	
1/4	3,411.38	1/4	3,621.33	1/4	3,831.28	1/4	4,040.79	1/4	4,249.83	1/4	4,416.12	1/4		1/4		1/4		1/4	
1/2	3,415.75	1/2	3,625.70	1/2	3,835.65	1/2	4,045.15	1/2	4,254.18	1/2	4,417.20	1/2		1/2		1/2		1/2	
3/4	3,420.12	3/4	3,630.08	3/4	3,840.03	3/4	4,049.50	3/4	4,258.54	3/4	4,418.28	3/4		3/4		3/4		3/4	
3	3,424.50	3	3,634.45	3	3,844.40	3	4,053.86	3	4,262.89	3	4,419.36	3		3		3		3	
1/4	3,428.87	1/4	3,638.82	1/4	3,848.78	1/4	4,058.21	1/4	4,267.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,433.25	1/2	3,643.20	1/2	3,853.15	1/2	4,062.57	1/2	4,271.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,437.62	3/4	3,647.57	3/4	3,857.52	3/4	4,066.92	3/4	4,275.96	3/4		3/4		3/4		3/4		3/4	
4	3,441.99	4	3,651.95	4	3,861.90	4	4,071.28	4	4,280.31	4		4		4		4		4	
1/4	3,446.37	1/4	3,656.32	1/4	3,866.27	1/4	4,075.63	1/4	4,284.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,450.74	1/2	3,660.69	1/2	3,870.65	1/2	4,079.99	1/2	4,289.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,455.12	3/4	3,665.07	3/4	3,875.02	3/4	4,084.34	3/4	4,293.34	3/4		3/4		3/4		3/4		3/4	
5	3,459.49	5	3,669.44	5	3,879.39	5	4,088.70	5	4,297.68	5		5		5		5		5	
1/4	3,463.86	1/4	3,673.82	1/4	3,883.77	1/4	4,093.05	1/4	4,302.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,468.24	1/2	3,678.19	1/2	3,888.14	1/2	4,097.41	1/2	4,306.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,472.61	3/4	3,682.56	3/4	3,892.52	3/4	4,101.76	3/4	4,310.66	3/4		3/4		3/4		3/4		3/4	
6	3,476.99	6	3,686.94	6	3,896.89	6	4,106.12	6	4,314.99	6		6		6		6		6	
1/4	3,481.36	1/4	3,691.31	1/4	3,901.26	1/4	4,110.47	1/4	4,319.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,485.73	1/2	3,695.69	1/2	3,905.64	1/2	4,114.83	1/2	4,323.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,490.11	3/4	3,700.06	3/4	3,910.01	3/4	4,119.18	3/4	4,327.97	3/4		3/4		3/4		3/4		3/4	
7	3,494.48	7	3,704.43	7	3,914.39	7	4,123.54	7	4,332.29	7		7		7		7		7	
1/4	3,498.86	1/4	3,708.81	1/4	3,918.76	1/4	4,127.89	1/4	4,336.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,503.23	1/2	3,713.18	1/2	3,923.13	1/2	4,132.25	1/2	4,340.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,507.60	3/4	3,717.56	3/4	3,927.51	3/4	4,136.60	3/4	4,345.25	3/4		3/4		3/4		3/4		3/4	
8	3,511.98	8	3,721.93	8	3,931.88	8	4,140.96	8	4,349.57	8		8		8		8		8	
1/4	3,516.35	1/4	3,726.30	1/4	3,936.25	1/4	4,145.31	1/4	4,353.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,520.73	1/2	3,730.68	1/2	3,940.61	1/2	4,149.67	1/2	4,358.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,525.10	3/4	3,735.05	3/4	3,944.98	3/4	4,154.02	3/4	4,362.42	3/4		3/4		3/4		3/4		3/4	
9	3,529.47	9	3,739.43	9	3,949.34	9	4,158.37	9	4,366.71	9		9		9		9		9	
1/4	3,533.85	1/4	3,743.80	1/4	3,953.69	1/4	4,162.73	1/4	4,370.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,538.22	1/2	3,748.17	1/2	3,958.05	1/2	4,167.08	1/2	4,374.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,542.60	3/4	3,752.55	3/4	3,962.40	3/4	4,171.44	3/4	4,378.25	3/4		3/4		3/4		3/4		3/4	
10	3,546.97	10	3,756.92	10	3,966.76	10	4,175.79	10	4,382.10	10		10		10		10		10	
1/4	3,551.34	1/4	3,761.30	1/4	3,971.11	1/4	4,180.15	1/4	4,384.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,555.72	1/2	3,765.67	1/2	3,975.47	1/2	4,184.50	1/2	4,387.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,560.09	3/4	3,770.04	3/4	3,979.82	3/4	4,188.86	3/4	4,390.62	3/4		3/4		3/4		3/4		3/4	
11	3,564.47	11	3,774.42	11	3,984.18	11	4,193.21	11	4,393.47	11		11		11		11		11	
1/4	3,568.84	1/4	3,778.79	1/4	3,988.53	1/4	4,197.57	1/4	4,395.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,573.21	1/2	3,783.17	1/2	3,992.89	1/2	4,201.92	1/2	4,397.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,577.59	3/4	3,787.54	3/4	3,997.24	3/4	4,206.28	3/4	4,399.40	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

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	08-1/8	- 08-1/8	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	08-1/8	- 08-1/8	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"

March 3, 2021

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MPX 416"

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	5,040.16	0	4,754.75	0	4,413.06	0	4,070.53	0	3,727.27	0	3,384.08	0	3,040.91		
1/4		1/4		1/4		1/4	5,038.16	1/4	4,747.63	1/4	4,405.94	1/4	4,063.38	1/4	3,720.12	1/4	3,376.93	1/4	3,033.77		
1/2		1/2		1/2		1/2	5,036.15	1/2	4,740.51	1/2	4,398.82	1/2	4,056.23	1/2	3,712.96	1/2	3,369.78	1/2	3,026.62		
3/4		3/4		3/4		3/4	5,034.14	3/4	4,733.39	3/4	4,391.71	3/4	4,049.07	3/4	3,705.81	3/4	3,362.63	3/4	3,019.47		
1		1		1		1	5,032.13	1	4,726.28	1	4,384.59	1	4,041.92	1	3,698.66	1	3,355.48	1	3,012.32		
1/4		1/4		1/4		1/4	5,028.93	1/4	4,719.16	1/4	4,377.47	1/4	4,034.77	1/4	3,691.51	1/4	3,348.33	1/4	3,005.17		
1/2		1/2		1/2		1/2	5,025.73	1/2	4,712.04	1/2	4,370.35	1/2	4,027.62	1/2	3,684.36	1/2	3,341.19	1/2	2,998.01		
3/4		3/4		3/4		3/4	5,022.53	3/4	4,704.92	3/4	4,363.23	3/4	4,020.47	3/4	3,677.21	3/4	3,334.04	3/4	2,990.86		
2		2		2		2	5,019.33	2	4,697.80	2	4,356.11	2	4,013.32	2	3,670.06	2	3,326.89	2	2,983.71		
1/4		1/4		1/4		1/4	5,014.94	1/4	4,690.68	1/4	4,348.99	1/4	4,006.17	1/4	3,662.90	1/4	3,319.74	1/4	2,976.56		
1/2		1/2		1/2		1/2	5,010.55	1/2	4,683.56	1/2	4,341.88	1/2	3,999.02	1/2	3,655.75	1/2	3,312.59	1/2	2,969.41		
3/4		3/4		3/4		3/4	5,006.16	3/4	4,676.45	3/4	4,334.76	3/4	3,991.86	3/4	3,648.60	3/4	3,305.44	3/4	2,962.26		
3		3		3		3	5,001.77	3	4,669.33	3	4,327.64	3	3,984.71	3	3,641.45	3	3,298.29	3	2,955.11		
1/4		1/4		1/4		1/4	4,996.18	1/4	4,662.21	1/4	4,320.52	1/4	3,977.56	1/4	3,634.30	1/4	3,291.14	1/4	2,947.96		
1/2		1/2		1/2		1/2	4,990.60	1/2	4,655.09	1/2	4,313.40	1/2	3,970.41	1/2	3,627.15	1/2	3,283.99	1/2	2,940.81		
3/4		3/4		3/4		3/4	4,985.01	3/4	4,647.97	3/4	4,306.28	3/4	3,963.26	3/4	3,620.01	3/4	3,276.84	3/4	2,933.65		
4		4		4		4	4,979.43	4	4,640.85	4	4,299.17	4	3,956.11	4	3,612.86	4	3,269.69	4	2,926.50		
1/4		1/4		1/4		1/4	4,972.84	1/4	4,633.73	1/4	4,292.05	1/4	3,948.96	1/4	3,605.71	1/4	3,262.54	1/4	2,919.35		
1/2		1/2		1/2		1/2	4,966.25	1/2	4,626.62	1/2	4,284.93	1/2	3,941.81	1/2	3,598.56	1/2	3,255.39	1/2	2,912.20		
3/4		3/4		3/4		3/4	4,959.65	3/4	4,619.50	3/4	4,277.81	3/4	3,934.65	3/4	3,591.41	3/4	3,248.24	3/4	2,905.05		
5		5		5		5	4,953.06	5	4,612.38	5	4,270.69	5	3,927.50	5	3,584.26	5	3,241.09	5	2,897.90		
1/4		1/4		1/4		1/4	4,946.03	1/4	4,605.26	1/4	4,263.56	1/4	3,920.35	1/4	3,577.11	1/4	3,233.95	1/4	2,890.75		
1/2		1/2		1/2		1/2	4,939.00	1/2	4,598.14	1/2	4,256.43	1/2	3,913.20	1/2	3,569.96	1/2	3,226.80	1/2	2,883.60		
3/4		3/4		3/4		3/4	4,931.97	3/4	4,591.02	3/4	4,249.29	3/4	3,906.05	3/4	3,562.81	3/4	3,219.65	3/4	2,876.45		
6		6		6		6	4,924.93	6	4,583.91	6	4,242.16	6	3,898.90	6	3,555.66	6	3,212.50	6	2,869.29		
1/4		1/4		1/4		1/4	4,917.87	1/4	4,576.79	1/4	4,235.01	1/4	3,891.75	1/4	3,548.51	1/4	3,205.35	1/4	2,862.14		
1/2		1/2		1/2		1/2	4,910.80	1/2	4,569.67	1/2	4,227.86	1/2	3,884.60	1/2	3,541.37	1/2	3,198.20	1/2	2,854.99		
3/4		3/4		3/4		3/4	4,903.74	3/4	4,562.55	3/4	4,220.71	3/4	3,877.44	3/4	3,534.22	3/4	3,191.05	3/4	2,847.84		
7		7		7		7	4,896.67	7	4,555.43	7	4,213.55	7	3,870.29	7	3,527.07	7	3,183.90	7	2,840.69		
1/4		1/4		1/4		1/4	4,889.60	1/4	4,548.31	1/4	4,206.40	1/4	3,863.14	1/4	3,519.92	1/4	3,176.75	1/4	2,833.54		
1/2		1/2		1/2		1/2	4,882.52	1/2	4,541.19	1/2	4,199.25	1/2	3,855.99	1/2	3,512.77	1/2	3,169.60	1/2	2,826.39		
3/4		3/4		3/4		3/4	4,875.45	3/4	4,534.08	3/4	4,192.10	3/4	3,848.84	3/4	3,505.62	3/4	3,162.45	3/4	2,819.24		
8		8		8		8	4,868.38	8	4,526.96	8	4,184.95	8	3,841.69	8	3,498.47	8	3,155.30	8	2,812.09		
1/4		1/4		1/4		1/4	4,861.30	1/4	4,519.84	1/4	4,177.80	1/4	3,834.54	1/4	3,491.32	1/4	3,148.15	1/4	2,804.93		
1/2		1/2		1/2		1/2	4,854.23	1/2	4,512.72	1/2	4,170.65	1/2	3,827.38	1/2	3,484.17	1/2	3,141.00	1/2	2,797.78		
3/4		3/4		3/4		3/4	4,847.16	3/4	4,505.60	3/4	4,163.50	3/4	3,820.23	3/4	3,477.02	3/4	3,133.86	3/4	2,790.63		
9		9		9		9	4,840.08	9	4,498.48	9	4,156.34	9	3,813.08	9	3,469.87	9	3,126.71	9	2,783.48		
1/4		1/4		1/4		1/4	4,832.99	1/4	4,491.36	1/4	4,149.19	1/4	3,805.93	1/4	3,462.72	1/4	3,119.56	1/4	2,776.33		
1/2		1/2		1/2		1/2	4,825.89	1/2	4,484.25	1/2	4,142.04	1/2	3,798.78	1/2	3,455.57	1/2	3,112.41	1/2	2,769.18		
3/4		3/4		3/4		3/4	4,818.79	3/4	4,477.13	3/4	4,134.89	3/4	3,791.63	3/4	3,448.42	3/4	3,105.26	3/4	2,762.03		
10		10		10		10	4,811.70	10	4,470.01	10	4,127.74	10	3,784.48	10	3,441.28	10	3,098.11	10	2,754.88		
1/4		1/4		1/4		1/4	4,804.58	1/4	4,462.89	1/4	4,120.59	1/4	3,777.33	1/4	3,434.13	1/4	3,090.96	1/4	2,747.73		
1/2		1/2		1/2		1/2	4,797.46	1/2	4,455.77	1/2	4,113.44	1/2	3,770.17	1/2	3,426.98	1/2	3,083.81	1/2	2,740.57		
3/4		3/4		3/4		3/4	4,790.34	3/4	4,448.65	3/4	4,106.29	3/4	3,763.02	3/4	3,419.83	3/4	3,076.66	3/4	2,733.42		
11		11		11		11	5,043.88	11	4,783.22	11	4,441.54	11	4,099.13	11	3,755.87	11	3,412.68	11	3,069.51	11	2,726.27
1/4		1/4		1/4		1/4	5,042.95	1/4	4,776.10	1/4	4,434.42	1/4	4,091.98	1/4	3,748.72	1/4	3,405.53	1/4	3,062.36	1/4	2,719.12
1/2		1/2		1/2		1/2	5,042.02	1/2	4,768.99	1/2	4,427.30	1/2	4,084.83	1/2	3,741.57	1/2	3,398.38	1/2	3,055.21	1/2	2,711.97
3/4		3/4		3/4		3/4	5,041.09	3/4	4,761.87	3/4	4,420.18	3/4	4,077.68	3/4	3,734.42	3/4	3,391.23	3/4	3,048.06	3/4	2,704.82

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
<http://www.pmacorp.net>



BARGE "MPX 416"

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	2,697.67	0	2,354.41	0	2,011.13	0	1,667.85	0	1,324.56	0	981.99	0	640.64	0	304.51	0	20.52	0	
1/4	2,690.52	1/4	2,347.26	1/4	2,003.98	1/4	1,660.69	1/4	1,317.41	1/4	974.90	1/4	633.49	1/4	297.95	1/4	17.72	1/4	
1/2	2,683.37	1/2	2,340.11	1/2	1,996.82	1/2	1,653.54	1/2	1,310.26	1/2	967.81	1/2	626.34	1/2	291.38	1/2	14.92	1/2	
3/4	2,676.21	3/4	2,332.95	3/4	1,989.67	3/4	1,646.39	3/4	1,303.11	3/4	960.72	3/4	619.19	3/4	284.82	3/4	12.11	3/4	
1	2,669.06	1	2,325.80	1	1,982.52	1	1,639.24	1	1,295.96	1	953.63	1	612.04	1	278.25	1	9.31	1	
1/4	2,661.91	1/4	2,318.65	1/4	1,975.37	1/4	1,632.09	1/4	1,288.81	1/4	946.54	1/4	604.88	1/4	271.77	1/4	7.52	1/4	
1/2	2,654.76	1/2	2,311.50	1/2	1,968.22	1/2	1,624.94	1/2	1,281.65	1/2	939.45	1/2	597.73	1/2	265.28	1/2	5.73	1/2	
3/4	2,647.61	3/4	2,304.35	3/4	1,961.06	3/4	1,617.78	3/4	1,274.50	3/4	932.35	3/4	590.58	3/4	258.80	3/4	3.95	3/4	
2	2,640.46	2	2,297.19	2	1,953.91	2	1,610.63	2	1,267.35	2	925.26	2	583.43	2	252.32	2	2.16	2	
1/4	2,633.31	1/4	2,290.04	1/4	1,946.76	1/4	1,603.48	1/4	1,260.20	1/4	918.17	1/4	576.28	1/4	245.92	1/4		1/4	
1/2	2,626.16	1/2	2,282.89	1/2	1,939.61	1/2	1,596.33	1/2	1,253.05	1/2	911.08	1/2	569.13	1/2	239.52	1/2		1/2	
3/4	2,619.02	3/4	2,275.74	3/4	1,932.46	3/4	1,589.18	3/4	1,245.89	3/4	903.99	3/4	561.98	3/4	233.12	3/4		3/4	
3	2,611.87	3	2,268.59	3	1,925.31	3	1,582.02	3	1,238.74	3	896.90	3	554.82	3	226.72	3		3	
1/4	2,604.72	1/4	2,261.44	1/4	1,918.15	1/4	1,574.87	1/4	1,231.59	1/4	889.81	1/4	547.67	1/4	220.40	1/4		1/4	
1/2	2,597.57	1/2	2,254.28	1/2	1,911.00	1/2	1,567.72	1/2	1,224.44	1/2	882.72	1/2	540.52	1/2	214.09	1/2		1/2	
3/4	2,590.41	3/4	2,247.13	3/4	1,903.85	3/4	1,560.57	3/4	1,217.29	3/4	875.63	3/4	533.37	3/4	207.77	3/4		3/4	
4	2,583.26	4	2,239.98	4	1,896.70	4	1,553.42	4	1,210.14	4	868.53	4	526.22	4	201.46	4		4	
1/4	2,576.11	1/4	2,232.83	1/4	1,889.55	1/4	1,546.27	1/4	1,202.98	1/4	861.44	1/4	519.07	1/4	195.22	1/4		1/4	
1/2	2,568.96	1/2	2,225.68	1/2	1,882.40	1/2	1,539.11	1/2	1,195.83	1/2	854.35	1/2	511.92	1/2	188.99	1/2		1/2	
3/4	2,561.81	3/4	2,218.53	3/4	1,875.24	3/4	1,531.96	3/4	1,188.68	3/4	847.26	3/4	504.76	3/4	182.76	3/4		3/4	
5	2,554.66	5	2,211.37	5	1,868.09	5	1,524.81	5	1,181.53	5	840.17	5	497.61	5	176.53	5		5	
1/4	2,547.50	1/4	2,204.22	1/4	1,860.94	1/4	1,517.66	1/4	1,174.38	1/4	833.08	1/4	490.48	1/4	170.38	1/4		1/4	
1/2	2,540.35	1/2	2,197.07	1/2	1,853.79	1/2	1,510.51	1/2	1,167.23	1/2	825.99	1/2	483.36	1/2	164.23	1/2		1/2	
3/4	2,533.20	3/4	2,189.92	3/4	1,846.64	3/4	1,503.36	3/4	1,160.07	3/4	818.90	3/4	476.23	3/4	158.08	3/4		3/4	
6	2,526.05	6	2,182.77	6	1,839.49	6	1,496.20	6	1,152.92	6	811.81	6	469.10	6	151.93	6		6	
1/4	2,518.90	1/4	2,175.62	1/4	1,832.33	1/4	1,489.05	1/4	1,145.77	1/4	804.71	1/4	462.04	1/4	145.87	1/4		1/4	
1/2	2,511.75	1/2	2,168.46	1/2	1,825.18	1/2	1,481.90	1/2	1,138.62	1/2	797.62	1/2	454.98	1/2	139.80	1/2		1/2	
3/4	2,504.59	3/4	2,161.31	3/4	1,818.03	3/4	1,474.75	3/4	1,131.47	3/4	790.52	3/4	447.91	3/4	133.74	3/4		3/4	
7	2,497.44	7	2,154.16	7	1,810.88	7	1,467.60	7	1,124.32	7	783.43	7	440.85	7	127.67	7		7	
1/4	2,490.29	1/4	2,147.01	1/4	1,803.73	1/4	1,460.45	1/4	1,117.16	1/4	776.32	1/4	433.87	1/4	121.69	1/4		1/4	
1/2	2,483.14	1/2	2,139.86	1/2	1,796.58	1/2	1,453.29	1/2	1,110.01	1/2	769.21	1/2	426.89	1/2	115.71	1/2		1/2	
3/4	2,475.99	3/4	2,132.71	3/4	1,789.42	3/4	1,446.14	3/4	1,102.86	3/4	762.10	3/4	419.90	3/4	109.73	3/4		3/4	
8	2,468.84	8	2,125.55	8	1,782.27	8	1,438.99	8	1,095.71	8	754.99	8	412.92	8	103.75	8		8	
1/4	2,461.68	1/4	2,118.40	1/4	1,775.12	1/4	1,431.84	1/4	1,088.57	1/4	747.86	1/4	406.02	1/4	97.86	1/4		1/4	
1/2	2,454.53	1/2	2,111.25	1/2	1,767.97	1/2	1,424.69	1/2	1,081.44	1/2	740.73	1/2	399.12	1/2	91.96	1/2		1/2	
3/4	2,447.38	3/4	2,104.10	3/4	1,760.82	3/4	1,417.54	3/4	1,074.31	3/4	733.59	3/4	392.22	3/4	86.07	3/4		3/4	
9	2,440.23	9	2,096.95	9	1,753.67	9	1,410.38	9	1,067.17	9	726.46	9	385.32	9	80.18	9		9	
1/4	2,433.08	1/4	2,089.80	1/4	1,746.51	1/4	1,403.23	1/4	1,060.06	1/4	719.31	1/4	378.50	1/4	74.39	1/4		1/4	
1/2	2,425.93	1/2	2,082.64	1/2	1,739.36	1/2	1,396.08	1/2	1,052.95	1/2	712.16	1/2	371.68	1/2	68.60	1/2		1/2	
3/4	2,418.77	3/4	2,075.49	3/4	1,732.21	3/4	1,388.93	3/4	1,045.85	3/4	705.01	3/4	364.87	3/4	62.81	3/4		3/4	
10	2,411.62	10	2,068.34	10	1,725.06	10	1,381.78	10	1,038.74	10	697.85	10	358.05	10	57.02	10		10	
1/4	2,404.47	1/4	2,061.19	1/4	1,717.91	1/4	1,374.63	1/4	1,031.64	1/4	690.70	1/4	351.32	1/4	51.75	1/4		1/4	
1/2	2,397.32	1/2	2,054.04	1/2	1,710.76	1/2	1,367.47	1/2	1,024.55	1/2	683.55	1/2	344.58	1/2	46.49	1/2		1/2	
3/4	2,390.17	3/4	2,046.89	3/4	1,703.60	3/4	1,360.32	3/4	1,017.45	3/4	676.40	3/4	337.85	3/4	41.22	3/4		3/4	
11	2,383.02	11	2,039.73	11	1,696.45	11	1,353.17	11	1,010.36	11	669.25	11	331.12	11	35.96	11		11	
1/4	2,375.86	1/4	2,032.58	1/4	1,689.30	1/4	1,346.02	1/4	1,003.26	1/4	662.10	1/4	324.47	1/4	32.10	1/4		1/4	
1/2	2,368.71	1/2	2,025.43	1/2	1,682.15	1/2	1,338.87	1/2	996.17	1/2	654.95	1/2	317.82	1/2	28.24	1/2		1/2	
3/4	2,361.56	3/4	2,018.28	3/4	1,675.00	3/4	1,331.72	3/4	989.08	3/4	647.79	3/4	311.17	3/4	24.38	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MPX 416"

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	2,695.68	0	2,352.96	0	2,010.23	0	1,667.50	0	1,324.77	0	982.10	0	639.61	0	303.98	0	20.48	0	
1/4	2,688.54	1/4	2,345.82	1/4	2,003.09	1/4	1,660.36	1/4	1,317.63	1/4	974.96	1/4	632.47	1/4	297.43	1/4	17.69	1/4	
1/2	2,681.40	1/2	2,338.68	1/2	1,995.95	1/2	1,653.22	1/2	1,310.49	1/2	967.83	1/2	625.33	1/2	290.87	1/2	14.89	1/2	
3/4	2,674.26	3/4	2,331.54	3/4	1,988.81	3/4	1,646.08	3/4	1,303.35	3/4	960.70	3/4	618.19	3/4	284.32	3/4	12.09	3/4	
1	2,667.12	1	2,324.40	1	1,981.67	1	1,638.94	1	1,296.21	1	953.57	1	611.05	1	277.76	1	9.29	1	
1/4	2,659.98	1/4	2,317.26	1/4	1,974.53	1/4	1,631.80	1/4	1,289.07	1/4	946.44	1/4	603.91	1/4	271.29	1/4	7.51	1/4	
1/2	2,652.84	1/2	2,310.12	1/2	1,967.39	1/2	1,624.66	1/2	1,281.93	1/2	939.31	1/2	596.77	1/2	264.82	1/2	5.72	1/2	
3/4	2,645.71	3/4	2,302.98	3/4	1,960.25	3/4	1,617.52	3/4	1,274.79	3/4	932.18	3/4	589.63	3/4	258.35	3/4	3.94	3/4	
2	2,638.57	2	2,295.84	2	1,953.11	2	1,610.38	2	1,267.65	2	925.04	2	582.49	2	251.87	2	2.15	2	
1/4	2,631.43	1/4	2,288.70	1/4	1,945.97	1/4	1,603.24	1/4	1,260.51	1/4	917.91	1/4	575.35	1/4	245.49	1/4		1/4	
1/2	2,624.29	1/2	2,281.56	1/2	1,938.83	1/2	1,596.10	1/2	1,253.37	1/2	910.78	1/2	568.21	1/2	239.10	1/2		1/2	
3/4	2,617.15	3/4	2,274.42	3/4	1,931.69	3/4	1,588.96	3/4	1,246.23	3/4	903.65	3/4	561.07	3/4	232.71	3/4		3/4	
3	2,610.01	3	2,267.28	3	1,924.55	3	1,581.82	3	1,239.09	3	896.52	3	553.93	3	226.32	3		3	
1/4	2,602.87	1/4	2,260.14	1/4	1,917.41	1/4	1,574.68	1/4	1,231.95	1/4	889.39	1/4	546.79	1/4	220.01	1/4		1/4	
1/2	2,595.73	1/2	2,253.00	1/2	1,910.27	1/2	1,567.54	1/2	1,224.81	1/2	882.26	1/2	539.65	1/2	213.71	1/2		1/2	
3/4	2,588.58	3/4	2,245.86	3/4	1,903.13	3/4	1,560.40	3/4	1,217.67	3/4	875.13	3/4	532.51	3/4	207.40	3/4		3/4	
4	2,581.44	4	2,238.72	4	1,895.99	4	1,553.26	4	1,210.53	4	867.99	4	525.37	4	201.10	4		4	
1/4	2,574.30	1/4	2,231.58	1/4	1,888.85	1/4	1,546.12	1/4	1,203.39	1/4	860.86	1/4	518.23	1/4	194.88	1/4		1/4	
1/2	2,567.16	1/2	2,224.43	1/2	1,881.71	1/2	1,538.98	1/2	1,196.25	1/2	853.73	1/2	511.09	1/2	188.66	1/2		1/2	
3/4	2,560.02	3/4	2,217.29	3/4	1,874.57	3/4	1,531.84	3/4	1,189.11	3/4	846.60	3/4	503.95	3/4	182.43	3/4		3/4	
5	2,552.88	5	2,210.15	5	1,867.42	5	1,524.70	5	1,181.97	5	839.47	5	496.81	5	176.21	5		5	
1/4	2,545.74	1/4	2,203.01	1/4	1,860.28	1/4	1,517.56	1/4	1,174.83	1/4	832.34	1/4	489.69	1/4	170.08	1/4		1/4	
1/2	2,538.60	1/2	2,195.87	1/2	1,853.14	1/2	1,510.41	1/2	1,167.69	1/2	825.21	1/2	482.57	1/2	163.94	1/2		1/2	
3/4	2,531.46	3/4	2,188.73	3/4	1,846.00	3/4	1,503.27	3/4	1,160.55	3/4	818.08	3/4	475.45	3/4	157.80	3/4		3/4	
6	2,524.32	6	2,181.59	6	1,838.86	6	1,496.13	6	1,153.40	6	810.95	6	468.33	6	151.66	6		6	
1/4	2,517.18	1/4	2,174.45	1/4	1,831.72	1/4	1,488.99	1/4	1,146.26	1/4	803.81	1/4	461.27	1/4	145.61	1/4		1/4	
1/2	2,510.04	1/2	2,167.31	1/2	1,824.58	1/2	1,481.85	1/2	1,139.12	1/2	796.68	1/2	454.22	1/2	139.55	1/2		1/2	
3/4	2,502.90	3/4	2,160.17	3/4	1,817.44	3/4	1,474.71	3/4	1,131.98	3/4	789.54	3/4	447.16	3/4	133.50	3/4		3/4	
7	2,495.76	7	2,153.03	7	1,810.30	7	1,467.57	7	1,124.84	7	782.40	7	440.10	7	127.44	7		7	
1/4	2,488.62	1/4	2,145.89	1/4	1,803.16	1/4	1,460.43	1/4	1,117.70	1/4	775.27	1/4	433.13	1/4	121.47	1/4		1/4	
1/2	2,481.48	1/2	2,138.75	1/2	1,796.02	1/2	1,453.29	1/2	1,110.56	1/2	768.13	1/2	426.16	1/2	115.50	1/2		1/2	
3/4	2,474.34	3/4	2,131.61	3/4	1,788.88	3/4	1,446.15	3/4	1,103.42	3/4	760.99	3/4	419.19	3/4	109.53	3/4		3/4	
8	2,467.20	8	2,124.47	8	1,781.74	8	1,439.01	8	1,096.28	8	753.85	8	412.21	8	103.56	8		8	
1/4	2,460.06	1/4	2,117.33	1/4	1,774.60	1/4	1,431.87	1/4	1,089.14	1/4	746.71	1/4	405.32	1/4	97.68	1/4		1/4	
1/2	2,452.92	1/2	2,110.19	1/2	1,767.46	1/2	1,424.73	1/2	1,082.00	1/2	739.57	1/2	398.43	1/2	91.80	1/2		1/2	
3/4	2,445.78	3/4	2,103.05	3/4	1,760.32	3/4	1,417.59	3/4	1,074.86	3/4	732.43	3/4	391.54	3/4	85.92	3/4		3/4	
9	2,438.64	9	2,095.91	9	1,753.18	9	1,410.45	9	1,067.72	9	725.29	9	384.65	9	80.03	9		9	
1/4	2,431.50	1/4	2,088.77	1/4	1,746.04	1/4	1,403.31	1/4	1,060.58	1/4	718.15	1/4	377.85	1/4	74.25	1/4		1/4	
1/2	2,424.36	1/2	2,081.63	1/2	1,738.90	1/2	1,396.17	1/2	1,053.44	1/2	711.01	1/2	371.04	1/2	68.47	1/2		1/2	
3/4	2,417.22	3/4	2,074.49	3/4	1,731.76	3/4	1,389.03	3/4	1,046.30	3/4	703.87	3/4	364.24	3/4	62.69	3/4		3/4	
10	2,410.08	10	2,067.35	10	1,724.62	10	1,381.89	10	1,039.16	10	696.73	10	357.43	10	56.91	10		10	
1/4	2,402.94	1/4	2,060.21	1/4	1,717.48	1/4	1,374.75	1/4	1,032.03	1/4	689.59	1/4	350.71	1/4	51.66	1/4		1/4	
1/2	2,395.80	1/2	2,053.07	1/2	1,710.34	1/2	1,367.61	1/2	1,024.89	1/2	682.45	1/2	343.99	1/2	46.40	1/2		1/2	
3/4	2,388.66	3/4	2,045.93	3/4	1,703.20	3/4	1,360.47	3/4	1,017.76	3/4	675.31	3/4	337.26	3/4	41.14	3/4		3/4	
11	2,381.52	11	2,038.79	11	1,696.06	11	1,353.33	11	1,010.62	11	668.17	11	330.54	11	35.89	11		11	
1/4	2,374.38	1/4	2,031.65	1/4	1,688.92	1/4	1,346.19	1/4	1,003.49	1/4	661.03	1/4	323.90	1/4	32.04	1/4		1/4	
1/2	2,367.24	1/2	2,024.51	1/2	1,681.78	1/2	1,339.05	1/2	996.36	1/2	653.89	1/2	317.26	1/2	28.19	1/2		1/2	
3/4	2,360.10	3/4	2,017.37	3/4	1,674.64	3/4	1,331.91	3/4	989.23	3/4	646.75	3/4	310.62	3/4	24.33	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
 CALCULATED: 03/04/2021 CL
 PRINTED: 03/04/2021 JS

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

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CANCELS AND SUPERCEDES
 ALL PRIOR TO 03/2021



BARGE "MPX 416"

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	5,090.95	0	4,805.48	0	4,463.69	0	4,121.05	0	3,777.70	0	3,434.34	0	3,090.99
1/4		1/4		1/4		1/4	5,088.95	1/4	4,798.36	1/4	4,456.57	1/4	4,113.90	1/4	3,770.54	1/4	3,427.19	1/4	3,083.84
1/2		1/2		1/2		1/2	5,086.94	1/2	4,791.24	1/2	4,449.45	1/2	4,106.74	1/2	3,763.39	1/2	3,420.04	1/2	3,076.68
3/4		3/4		3/4		3/4	5,084.93	3/4	4,784.12	3/4	4,442.33	3/4	4,099.59	3/4	3,756.24	3/4	3,412.88	3/4	3,069.53
1		1		1		1	5,082.92	1	4,777.00	1	4,435.21	1	4,092.44	1	3,749.08	1	3,405.73	1	3,062.38
1/4		1/4		1/4		1/4	5,079.72	1/4	4,769.88	1/4	4,428.09	1/4	4,085.28	1/4	3,741.93	1/4	3,398.58	1/4	3,055.23
1/2		1/2		1/2		1/2	5,076.52	1/2	4,762.76	1/2	4,420.97	1/2	4,078.13	1/2	3,734.78	1/2	3,391.42	1/2	3,048.08
3/4		3/4		3/4		3/4	5,073.32	3/4	4,755.63	3/4	4,413.85	3/4	4,070.98	3/4	3,727.62	3/4	3,384.27	3/4	3,040.93
2		2		2		2	5,070.12	2	4,748.51	2	4,406.73	2	4,063.82	2	3,720.47	2	3,377.12	2	3,033.78
1/4		1/4		1/4		1/4	5,065.73	1/4	4,741.39	1/4	4,399.60	1/4	4,056.67	1/4	3,713.32	1/4	3,369.96	1/4	3,026.62
1/2		1/2		1/2		1/2	5,061.34	1/2	4,734.27	1/2	4,392.48	1/2	4,049.52	1/2	3,706.16	1/2	3,362.81	1/2	3,019.47
3/4		3/4		3/4		3/4	5,056.95	3/4	4,727.15	3/4	4,385.36	3/4	4,042.36	3/4	3,699.01	3/4	3,355.66	3/4	3,012.31
3		3		3		3	5,052.55	3	4,720.03	3	4,378.24	3	4,035.21	3	3,691.86	3	3,348.50	3	3,005.16
1/4		1/4		1/4		1/4	5,046.97	1/4	4,712.91	1/4	4,371.12	1/4	4,028.06	1/4	3,684.70	1/4	3,341.35	1/4	2,998.00
1/2		1/2		1/2		1/2	5,041.38	1/2	4,705.79	1/2	4,364.00	1/2	4,020.90	1/2	3,677.55	1/2	3,334.20	1/2	2,990.85
3/4		3/4		3/4		3/4	5,035.80	3/4	4,698.67	3/4	4,356.88	3/4	4,013.75	3/4	3,670.40	3/4	3,327.04	3/4	2,983.69
4		4		4		4	5,030.21	4	4,691.55	4	4,349.76	4	4,006.60	4	3,663.24	4	3,319.89	4	2,976.54
1/4		1/4		1/4		1/4	5,023.62	1/4	4,684.43	1/4	4,342.64	1/4	3,999.45	1/4	3,656.09	1/4	3,312.74	1/4	2,969.38
1/2		1/2		1/2		1/2	5,017.03	1/2	4,677.31	1/2	4,335.52	1/2	3,992.29	1/2	3,648.94	1/2	3,305.58	1/2	2,962.23
3/4		3/4		3/4		3/4	5,010.43	3/4	4,670.19	3/4	4,328.40	3/4	3,985.14	3/4	3,641.79	3/4	3,298.43	3/4	2,955.07
5		5		5		5	5,003.84	5	4,663.07	5	4,321.28	5	3,977.99	5	3,634.63	5	3,291.28	5	2,947.92
1/4		1/4		1/4		1/4	4,996.80	1/4	4,655.95	1/4	4,314.14	1/4	3,970.83	1/4	3,627.48	1/4	3,284.13	1/4	2,940.76
1/2		1/2		1/2		1/2	4,989.77	1/2	4,648.83	1/2	4,307.00	1/2	3,963.68	1/2	3,620.33	1/2	3,276.97	1/2	2,933.60
3/4		3/4		3/4		3/4	4,982.74	3/4	4,641.71	3/4	4,299.86	3/4	3,956.53	3/4	3,613.17	3/4	3,269.82	3/4	2,926.45
6		6		6		6	4,975.70	6	4,634.58	6	4,292.73	6	3,949.37	6	3,606.02	6	3,262.67	6	2,919.29
1/4		1/4		1/4		1/4	4,968.64	1/4	4,627.46	1/4	4,285.57	1/4	3,942.22	1/4	3,598.87	1/4	3,255.51	1/4	2,912.14
1/2		1/2		1/2		1/2	4,961.57	1/2	4,620.34	1/2	4,278.42	1/2	3,935.07	1/2	3,591.71	1/2	3,248.36	1/2	2,904.98
3/4		3/4		3/4		3/4	4,954.50	3/4	4,613.22	3/4	4,271.27	3/4	3,927.91	3/4	3,584.56	3/4	3,241.21	3/4	2,897.83
7		7		7		7	4,947.43	7	4,606.10	7	4,264.11	7	3,920.76	7	3,577.41	7	3,234.05	7	2,890.67
1/4		1/4		1/4		1/4	4,940.36	1/4	4,598.98	1/4	4,256.96	1/4	3,913.61	1/4	3,570.25	1/4	3,226.90	1/4	2,883.52
1/2		1/2		1/2		1/2	4,933.29	1/2	4,591.86	1/2	4,249.81	1/2	3,906.45	1/2	3,563.10	1/2	3,219.75	1/2	2,876.36
3/4		3/4		3/4		3/4	4,926.21	3/4	4,584.74	3/4	4,242.65	3/4	3,899.30	3/4	3,555.95	3/4	3,212.59	3/4	2,869.21
8		8		8		8	4,919.14	8	4,577.62	8	4,235.50	8	3,892.15	8	3,548.79	8	3,205.44	8	2,862.05
1/4		1/4		1/4		1/4	4,912.06	1/4	4,570.50	1/4	4,228.35	1/4	3,884.99	1/4	3,541.64	1/4	3,198.29	1/4	2,854.90
1/2		1/2		1/2		1/2	4,904.99	1/2	4,563.38	1/2	4,221.19	1/2	3,877.84	1/2	3,534.49	1/2	3,191.13	1/2	2,847.74
3/4		3/4		3/4		3/4	4,897.91	3/4	4,556.26	3/4	4,214.04	3/4	3,870.69	3/4	3,527.33	3/4	3,183.98	3/4	2,840.59
9		9		9		9	4,890.83	9	4,549.14	9	4,206.89	9	3,863.53	9	3,520.18	9	3,176.83	9	2,833.43
1/4		1/4		1/4		1/4	4,883.74	1/4	4,542.02	1/4	4,199.73	1/4	3,856.38	1/4	3,513.03	1/4	3,169.67	1/4	2,826.28
1/2		1/2		1/2		1/2	4,876.64	1/2	4,534.90	1/2	4,192.58	1/2	3,849.23	1/2	3,505.87	1/2	3,162.52	1/2	2,819.12
3/4		3/4		3/4		3/4	4,869.54	3/4	4,527.78	3/4	4,185.43	3/4	3,842.07	3/4	3,498.72	3/4	3,155.37	3/4	2,811.96
10		10		10		10	4,862.44	10	4,520.66	10	4,178.28	10	3,834.92	10	3,491.57	10	3,148.21	10	2,804.81
1/4		1/4		1/4		1/4	4,855.32	1/4	4,513.53	1/4	4,171.12	1/4	3,827.77	1/4	3,484.41	1/4	3,141.06	1/4	2,797.65
1/2		1/2		1/2		1/2	4,848.20	1/2	4,506.41	1/2	4,163.97	1/2	3,820.62	1/2	3,477.26	1/2	3,133.91	1/2	2,790.50
3/4		3/4		3/4		3/4	4,841.08	3/4	4,499.29	3/4	4,156.82	3/4	3,813.46	3/4	3,470.11	3/4	3,126.75	3/4	2,783.34
11		11		11	5,094.67	11	4,833.96	11	4,492.17	11	4,149.66	11	3,806.31	11	3,462.96	11	3,119.60	11	2,776.19
1/4		1/4		1/4	5,093.74	1/4	4,826.84	1/4	4,485.05	1/4	4,142.51	1/4	3,799.16	1/4	3,455.80	1/4	3,112.45	1/4	2,769.03
1/2		1/2		1/2	5,092.81	1/2	4,819.72	1/2	4,477.93	1/2	4,135.36	1/2	3,792.00	1/2	3,448.65	1/2	3,105.30	1/2	2,761.88
3/4		3/4		3/4	5,091.88	3/4	4,812.60	3/4	4,470.81	3/4	4,128.20	3/4	3,784.85	3/4	3,441.50	3/4	3,098.14	3/4	2,754.72

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN 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 416"

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	2,747.57	0	2,404.11	0	2,060.66	0	1,717.20	0	1,373.75	0	1,034.47	0	701.36	0	357.92	0	23.62	0	
1/4	2,740.41	1/4	2,396.96	1/4	2,053.50	1/4	1,710.05	1/4	1,366.59	1/4	1,027.62	1/4	694.20	1/4	350.76	1/4	20.04	1/4	
1/2	2,733.26	1/2	2,389.80	1/2	2,046.35	1/2	1,702.89	1/2	1,359.44	1/2	1,020.78	1/2	687.05	1/2	343.61	1/2	16.46	1/2	
3/4	2,726.10	3/4	2,382.65	3/4	2,039.19	3/4	1,695.74	3/4	1,352.28	3/4	1,013.93	3/4	679.89	3/4	336.45	3/4	12.89	3/4	
1	2,718.95	1	2,375.49	1	2,032.04	1	1,688.58	1	1,345.13	1	1,007.08	1	672.74	1	329.30	1	9.31	1	
1/4	2,711.79	1/4	2,368.34	1/4	2,024.88	1/4	1,681.43	1/4	1,337.97	1/4	1,000.23	1/4	665.58	1/4	322.14	1/4	7.52	1/4	
1/2	2,704.63	1/2	2,361.18	1/2	2,017.73	1/2	1,674.27	1/2	1,330.82	1/2	993.39	1/2	658.43	1/2	314.99	1/2	5.73	1/2	
3/4	2,697.48	3/4	2,354.03	3/4	2,010.57	3/4	1,667.12	3/4	1,323.66	3/4	986.54	3/4	651.27	3/4	307.83	3/4	3.94	3/4	
2	2,690.32	2	2,346.87	2	2,003.42	2	1,659.96	2	1,316.51	2	979.69	2	644.12	2	300.68	2	2.16	2	
1/4	2,683.17	1/4	2,339.71	1/4	1,996.26	1/4	1,652.81	1/4	1,309.35	1/4	972.84	1/4	636.96	1/4	293.52	1/4		1/4	
1/2	2,676.01	1/2	2,332.56	1/2	1,989.10	1/2	1,645.65	1/2	1,302.20	1/2	966.00	1/2	629.81	1/2	286.37	1/2		1/2	
3/4	2,668.86	3/4	2,325.40	3/4	1,981.95	3/4	1,638.50	3/4	1,295.04	3/4	959.15	3/4	622.65	3/4	279.21	3/4		3/4	
3	2,661.70	3	2,318.25	3	1,974.79	3	1,631.34	3	1,287.89	3	952.30	3	615.50	3	272.06	3		3	
1/4	2,654.55	1/4	2,311.09	1/4	1,967.64	1/4	1,624.18	1/4	1,280.73	1/4	945.45	1/4	608.34	1/4	264.90	1/4		1/4	
1/2	2,647.39	1/2	2,303.94	1/2	1,960.48	1/2	1,617.03	1/2	1,273.57	1/2	938.61	1/2	601.19	1/2	257.75	1/2		1/2	
3/4	2,640.24	3/4	2,296.78	3/4	1,953.33	3/4	1,609.87	3/4	1,266.42	3/4	931.76	3/4	594.03	3/4	250.59	3/4		3/4	
4	2,633.08	4	2,289.63	4	1,946.17	4	1,602.72	4	1,259.26	4	924.91	4	586.88	4	243.44	4		4	
1/4	2,625.93	1/4	2,282.47	1/4	1,939.02	1/4	1,595.56	1/4	1,252.11	1/4	918.06	1/4	579.72	1/4	236.28	1/4		1/4	
1/2	2,618.77	1/2	2,275.32	1/2	1,931.86	1/2	1,588.41	1/2	1,244.95	1/2	911.22	1/2	572.57	1/2	229.13	1/2		1/2	
3/4	2,611.62	3/4	2,268.16	3/4	1,924.71	3/4	1,581.25	3/4	1,237.80	3/4	904.37	3/4	565.41	3/4	221.97	3/4		3/4	
5	2,604.46	5	2,261.01	5	1,917.55	5	1,574.10	5	1,230.64	5	897.52	5	558.26	5	214.82	5		5	
1/4	2,597.31	1/4	2,253.85	1/4	1,910.40	1/4	1,566.94	1/4	1,223.49	1/4	890.67	1/4	551.10	1/4	207.66	1/4		1/4	
1/2	2,590.15	1/2	2,246.70	1/2	1,903.24	1/2	1,559.79	1/2	1,216.33	1/2	883.83	1/2	543.95	1/2	200.51	1/2		1/2	
3/4	2,582.99	3/4	2,239.54	3/4	1,896.09	3/4	1,552.63	3/4	1,209.18	3/4	876.98	3/4	536.79	3/4	193.35	3/4		3/4	
6	2,575.84	6	2,232.39	6	1,888.93	6	1,545.48	6	1,202.02	6	870.13	6	529.64	6	186.20	6		6	
1/4	2,568.68	1/4	2,225.23	1/4	1,881.78	1/4	1,538.32	1/4	1,194.87	1/4	863.28	1/4	522.48	1/4	179.04	1/4		1/4	
1/2	2,561.53	1/2	2,218.07	1/2	1,874.62	1/2	1,531.17	1/2	1,187.71	1/2	856.43	1/2	515.33	1/2	171.89	1/2		1/2	
3/4	2,554.37	3/4	2,210.92	3/4	1,867.46	3/4	1,524.01	3/4	1,180.56	3/4	849.58	3/4	508.17	3/4	164.73	3/4		3/4	
7	2,547.22	7	2,203.76	7	1,860.31	7	1,516.86	7	1,173.40	7	842.73	7	501.02	7	157.58	7		7	
1/4	2,540.06	1/4	2,196.61	1/4	1,853.15	1/4	1,509.70	1/4	1,166.25	1/4	835.86	1/4	493.86	1/4	150.42	1/4		1/4	
1/2	2,532.91	1/2	2,189.45	1/2	1,846.00	1/2	1,502.54	1/2	1,159.09	1/2	829.00	1/2	486.71	1/2	143.27	1/2		1/2	
3/4	2,525.75	3/4	2,182.30	3/4	1,838.84	3/4	1,495.39	3/4	1,151.93	3/4	822.14	3/4	479.55	3/4	136.11	3/4		3/4	
8	2,518.60	8	2,175.14	8	1,831.69	8	1,488.23	8	1,144.78	8	815.27	8	472.40	8	128.96	8		8	
1/4	2,511.44	1/4	2,167.99	1/4	1,824.53	1/4	1,481.08	1/4	1,137.77	1/4	808.26	1/4	465.24	1/4	121.81	1/4		1/4	
1/2	2,504.29	1/2	2,160.83	1/2	1,817.38	1/2	1,473.92	1/2	1,130.75	1/2	801.24	1/2	458.09	1/2	114.66	1/2		1/2	
3/4	2,497.13	3/4	2,153.68	3/4	1,810.22	3/4	1,466.77	3/4	1,123.74	3/4	794.23	3/4	450.93	3/4	107.51	3/4		3/4	
9	2,489.98	9	2,146.52	9	1,803.07	9	1,459.61	9	1,116.72	9	787.22	9	443.78	9	100.36	9		9	
1/4	2,482.82	1/4	2,139.37	1/4	1,795.91	1/4	1,452.46	1/4	1,109.86	1/4	780.06	1/4	436.62	1/4	93.23	1/4		1/4	
1/2	2,475.67	1/2	2,132.21	1/2	1,788.76	1/2	1,445.30	1/2	1,103.00	1/2	772.91	1/2	429.47	1/2	86.10	1/2		1/2	
3/4	2,468.51	3/4	2,125.06	3/4	1,781.60	3/4	1,438.15	3/4	1,096.13	3/4	765.75	3/4	422.31	3/4	78.97	3/4		3/4	
10	2,461.35	10	2,117.90	10	1,774.45	10	1,430.99	10	1,089.27	10	758.60	10	415.16	10	71.84	10		10	
1/4	2,454.20	1/4	2,110.75	1/4	1,767.29	1/4	1,423.84	1/4	1,082.42	1/4	751.44	1/4	408.00	1/4	65.15	1/4		1/4	
1/2	2,447.04	1/2	2,103.59	1/2	1,760.14	1/2	1,416.68	1/2	1,075.56	1/2	744.29	1/2	400.85	1/2	58.46	1/2		1/2	
3/4	2,439.89	3/4	2,096.43	3/4	1,752.98	3/4	1,409.53	3/4	1,068.71	3/4	737.13	3/4	393.69	3/4	51.77	3/4		3/4	
11	2,432.73	11	2,089.28	11	1,745.82	11	1,402.37	11	1,061.86	11	729.98	11	386.54	11	45.08	11		11	
1/4	2,425.58	1/4	2,082.12	1/4	1,738.67	1/4	1,395.22	1/4	1,055.01	1/4	722.82	1/4	379.38	1/4	39.72	1/4		1/4	
1/2	2,418.42	1/2	2,074.97	1/2	1,731.51	1/2	1,388.06	1/2	1,048.17	1/2	715.67	1/2	372.23	1/2	34.35	1/2		1/2	
3/4	2,411.27	3/4	2,067.81	3/4	1,724.36	3/4	1,380.90	3/4	1,041.32	3/4	708.51	3/4	365.07	3/4	28.98	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED:03/04/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021



BARGE "MPX 416"

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	5,117.64	0	4,831.38	0	4,488.68	0	4,145.13	0	3,800.85	0	3,456.64	0	3,112.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,115.63	1/4	4,824.24	1/4	4,481.54	1/4	4,137.96	1/4	3,793.68	1/4	3,449.47	1/4	3,105.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,113.61	1/2	4,817.10	1/2	4,474.40	1/2	4,130.78	1/2	3,786.50	1/2	3,442.30	1/2	3,098.12		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,111.60	3/4	4,809.96	3/4	4,467.26	3/4	4,123.61	3/4	3,779.33	3/4	3,435.13	3/4	3,090.95		
1	1	1	1	1	1	1	5,109.58	1	4,802.82	1	4,460.12	1	4,116.44	1	3,772.16	1	3,427.96	1	3,083.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,106.37	1/4	4,795.68	1/4	4,452.98	1/4	4,109.27	1/4	3,764.99	1/4	3,420.79	1/4	3,076.60		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,103.17	1/2	4,788.54	1/2	4,445.84	1/2	4,102.09	1/2	3,757.81	1/2	3,413.62	1/2	3,069.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,099.96	3/4	4,781.40	3/4	4,438.70	3/4	4,094.92	3/4	3,750.64	3/4	3,406.45	3/4	3,062.26		
2	2	2	2	2	2	2	5,096.75	2	4,774.26	2	4,431.56	2	4,087.75	2	3,743.47	2	3,399.27	2	3,055.08		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,092.34	1/4	4,767.12	1/4	4,424.42	1/4	4,080.58	1/4	3,736.30	1/4	3,392.10	1/4	3,047.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,087.94	1/2	4,759.98	1/2	4,417.28	1/2	4,073.40	1/2	3,729.12	1/2	3,384.93	1/2	3,040.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,083.53	3/4	4,752.84	3/4	4,410.14	3/4	4,066.23	3/4	3,721.95	3/4	3,377.76	3/4	3,033.57		
3	3	3	3	3	3	3	5,079.13	3	4,745.70	3	4,403.00	3	4,059.06	3	3,714.78	3	3,370.59	3	3,026.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,073.53	1/4	4,738.56	1/4	4,395.86	1/4	4,051.89	1/4	3,707.61	1/4	3,363.42	1/4	3,019.22		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,067.93	1/2	4,731.42	1/2	4,388.72	1/2	4,044.71	1/2	3,700.43	1/2	3,356.25	1/2	3,012.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,062.33	3/4	4,724.28	3/4	4,381.58	3/4	4,037.54	3/4	3,693.26	3/4	3,349.08	3/4	3,004.88		
4	4	4	4	4	4	4	5,056.72	4	4,717.14	4	4,374.44	4	4,030.37	4	3,686.09	4	3,341.91	4	2,997.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,050.11	1/4	4,710.01	1/4	4,367.30	1/4	4,023.20	1/4	3,678.92	1/4	3,334.74	1/4	2,990.53		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,043.50	1/2	4,702.87	1/2	4,360.16	1/2	4,016.02	1/2	3,671.75	1/2	3,327.57	1/2	2,983.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,036.89	3/4	4,695.73	3/4	4,353.03	3/4	4,008.85	3/4	3,664.58	3/4	3,320.40	3/4	2,976.19		
5	5	5	5	5	5	5	5,030.28	5	4,688.59	5	4,345.89	5	4,001.68	5	3,657.41	5	3,313.23	5	2,969.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,023.22	1/4	4,681.45	1/4	4,338.73	1/4	3,994.51	1/4	3,650.24	1/4	3,306.06	1/4	2,961.84		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,016.17	1/2	4,674.31	1/2	4,331.58	1/2	3,987.33	1/2	3,643.07	1/2	3,298.89	1/2	2,954.67		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,009.12	3/4	4,667.17	3/4	4,324.42	3/4	3,980.16	3/4	3,635.90	3/4	3,291.72	3/4	2,947.50		
6	6	6	6	6	6	6	5,002.07	6	4,660.03	6	4,317.27	6	3,972.99	6	3,628.73	6	3,284.55	6	2,940.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,994.98	1/4	4,652.89	1/4	4,310.10	1/4	3,965.82	1/4	3,621.56	1/4	3,277.38	1/4	2,933.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,987.89	1/2	4,645.75	1/2	4,302.92	1/2	3,958.64	1/2	3,614.39	1/2	3,270.21	1/2	2,925.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,980.81	3/4	4,638.61	3/4	4,295.75	3/4	3,951.47	3/4	3,607.22	3/4	3,263.04	3/4	2,918.81		
7	7	7	7	7	7	7	4,973.72	7	4,631.47	7	4,288.58	7	3,944.30	7	3,600.05	7	3,255.87	7	2,911.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,966.63	1/4	4,624.33	1/4	4,281.41	1/4	3,937.13	1/4	3,592.88	1/4	3,248.70	1/4	2,904.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,959.53	1/2	4,617.19	1/2	4,274.23	1/2	3,929.95	1/2	3,585.71	1/2	3,241.53	1/2	2,897.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,952.44	3/4	4,610.05	3/4	4,267.06	3/4	3,922.78	3/4	3,578.53	3/4	3,234.36	3/4	2,890.12		
8	8	8	8	8	8	8	4,945.35	8	4,602.91	8	4,259.89	8	3,915.61	8	3,571.36	8	3,227.19	8	2,882.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,938.25	1/4	4,595.77	1/4	4,252.72	1/4	3,908.44	1/4	3,564.19	1/4	3,220.01	1/4	2,875.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,931.16	1/2	4,588.63	1/2	4,245.54	1/2	3,901.26	1/2	3,557.02	1/2	3,212.84	1/2	2,868.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,924.06	3/4	4,581.49	3/4	4,238.37	3/4	3,894.09	3/4	3,549.85	3/4	3,205.67	3/4	2,861.43		
9	9	9	9	9	9	9	4,916.97	9	4,574.35	9	4,231.20	9	3,886.92	9	3,542.68	9	3,198.50	9	2,854.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,909.85	1/4	4,567.21	1/4	4,224.03	1/4	3,879.75	1/4	3,535.51	1/4	3,191.33	1/4	2,847.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,902.73	1/2	4,560.07	1/2	4,216.85	1/2	3,872.57	1/2	3,528.34	1/2	3,184.16	1/2	2,839.91		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,895.61	3/4	4,552.93	3/4	4,209.68	3/4	3,865.40	3/4	3,521.17	3/4	3,176.99	3/4	2,832.74		
10	10	10	10	10	10	10	4,888.50	10	4,545.79	10	4,202.51	10	3,858.23	10	3,514.00	10	3,169.82	10	2,825.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,881.36	1/4	4,538.65	1/4	4,195.34	1/4	3,851.06	1/4	3,506.83	1/4	3,162.65	1/4	2,818.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,874.22	1/2	4,531.52	1/2	4,188.16	1/2	3,843.88	1/2	3,499.66	1/2	3,155.48	1/2	2,811.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,867.08	3/4	4,524.38	3/4	4,180.99	3/4	3,836.71	3/4	3,492.49	3/4	3,148.31	3/4	2,804.05		
11	11	11		11		11	5,121.37	11	4,859.94	11	4,517.24	11	4,173.82	11	3,829.54	11	3,485.32	11	3,141.14	11	2,796.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,120.44	1/4	4,852.80	1/4	4,510.10	1/4	4,166.65	1/4	3,822.37	1/4	3,478.15	1/4	3,133.97	1/4	2,789.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,119.51	1/2	4,845.66	1/2	4,502.96	1/2	4,159.47	1/2	3,815.19	1/2	3,470.98	1/2	3,126.80	1/2	2,782.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,118.57	3/4	4,838.52	3/4	4,495.82	3/4	4,152.30	3/4	3,808.02	3/4	3,463.81	3/4	3,119.63	3/4	2,775.36

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 416"

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	2,768.19	0	2,423.91	0	2,079.64	0	1,735.36	0	1,391.09	0	1,046.92	0	703.03	0	358.77	0	23.67	0	
1/4	2,761.02	1/4	2,416.74	1/4	2,072.47	1/4	1,728.19	1/4	1,383.92	1/4	1,039.76	1/4	695.86	1/4	351.60	1/4	20.09	1/4	
1/2	2,753.84	1/2	2,409.57	1/2	2,065.29	1/2	1,721.02	1/2	1,376.74	1/2	1,032.60	1/2	688.69	1/2	344.43	1/2	16.50	1/2	
3/4	2,746.67	3/4	2,402.40	3/4	2,058.12	3/4	1,713.85	3/4	1,369.57	3/4	1,025.44	3/4	681.52	3/4	337.26	3/4	12.92	3/4	
1	2,739.50	1	2,395.22	1	2,050.95	1	1,706.67	1	1,362.40	1	1,018.29	1	674.34	1	330.08	1	9.33	1	
1/4	2,732.33	1/4	2,388.05	1/4	2,043.78	1/4	1,699.50	1/4	1,355.23	1/4	1,011.13	1/4	667.17	1/4	322.91	1/4	7.54	1/4	
1/2	2,725.15	1/2	2,380.88	1/2	2,036.60	1/2	1,692.33	1/2	1,348.05	1/2	1,003.97	1/2	660.00	1/2	315.74	1/2	5.74	1/2	
3/4	2,717.98	3/4	2,373.71	3/4	2,029.43	3/4	1,685.16	3/4	1,340.88	3/4	996.81	3/4	652.83	3/4	308.57	3/4	3.95	3/4	
2	2,710.81	2	2,366.53	2	2,022.26	2	1,677.98	2	1,333.71	2	989.65	2	645.66	2	301.40	2	2.16	2	
1/4	2,703.64	1/4	2,359.36	1/4	2,015.09	1/4	1,670.81	1/4	1,326.54	1/4	982.49	1/4	638.48	1/4	294.22	1/4		1/4	
1/2	2,696.46	1/2	2,352.19	1/2	2,007.91	1/2	1,663.64	1/2	1,319.36	1/2	975.34	1/2	631.31	1/2	287.05	1/2		1/2	
3/4	2,689.29	3/4	2,345.02	3/4	2,000.74	3/4	1,656.47	3/4	1,312.19	3/4	968.18	3/4	624.14	3/4	279.88	3/4		3/4	
3	2,682.12	3	2,337.84	3	1,993.57	3	1,649.29	3	1,305.02	3	961.02	3	616.97	3	272.71	3		3	
1/4	2,674.95	1/4	2,330.67	1/4	1,986.40	1/4	1,642.12	1/4	1,297.85	1/4	953.86	1/4	609.80	1/4	265.54	1/4		1/4	
1/2	2,667.78	1/2	2,323.50	1/2	1,979.22	1/2	1,634.95	1/2	1,290.67	1/2	946.70	1/2	602.62	1/2	258.36	1/2		1/2	
3/4	2,660.60	3/4	2,316.33	3/4	1,972.05	3/4	1,627.78	3/4	1,283.50	3/4	939.55	3/4	595.45	3/4	251.19	3/4		3/4	
4	2,653.43	4	2,309.16	4	1,964.88	4	1,620.60	4	1,276.33	4	932.39	4	588.28	4	244.02	4		4	
1/4	2,646.26	1/4	2,301.98	1/4	1,957.71	1/4	1,613.43	1/4	1,269.16	1/4	925.23	1/4	581.11	1/4	236.85	1/4		1/4	
1/2	2,639.09	1/2	2,294.81	1/2	1,950.54	1/2	1,606.26	1/2	1,261.98	1/2	918.07	1/2	573.94	1/2	229.67	1/2		1/2	
3/4	2,631.91	3/4	2,287.64	3/4	1,943.36	3/4	1,599.09	3/4	1,254.81	3/4	910.91	3/4	566.76	3/4	222.50	3/4		3/4	
5	2,624.74	5	2,280.47	5	1,936.19	5	1,591.92	5	1,247.64	5	903.75	5	559.59	5	215.33	5		5	
1/4	2,617.57	1/4	2,273.29	1/4	1,929.02	1/4	1,584.74	1/4	1,240.47	1/4	896.60	1/4	552.42	1/4	208.16	1/4		1/4	
1/2	2,610.40	1/2	2,266.12	1/2	1,921.85	1/2	1,577.57	1/2	1,233.30	1/2	889.44	1/2	545.25	1/2	200.99	1/2		1/2	
3/4	2,603.22	3/4	2,258.95	3/4	1,914.67	3/4	1,570.40	3/4	1,226.12	3/4	882.28	3/4	538.07	3/4	193.81	3/4		3/4	
6	2,596.05	6	2,251.78	6	1,907.50	6	1,563.23	6	1,218.95	6	875.12	6	530.90	6	186.64	6		6	
1/4	2,588.88	1/4	2,244.60	1/4	1,900.33	1/4	1,556.05	1/4	1,211.78	1/4	867.96	1/4	523.73	1/4	179.47	1/4		1/4	
1/2	2,581.71	1/2	2,237.43	1/2	1,893.16	1/2	1,548.88	1/2	1,204.61	1/2	860.80	1/2	516.56	1/2	172.30	1/2		1/2	
3/4	2,574.53	3/4	2,230.26	3/4	1,885.98	3/4	1,541.71	3/4	1,197.43	3/4	853.64	3/4	509.39	3/4	165.13	3/4		3/4	
7	2,567.36	7	2,223.09	7	1,878.81	7	1,534.54	7	1,190.26	7	846.47	7	502.21	7	157.95	7		7	
1/4	2,560.19	1/4	2,215.91	1/4	1,871.64	1/4	1,527.36	1/4	1,183.09	1/4	839.30	1/4	495.04	1/4	150.78	1/4		1/4	
1/2	2,553.02	1/2	2,208.74	1/2	1,864.47	1/2	1,520.19	1/2	1,175.92	1/2	832.13	1/2	487.87	1/2	143.61	1/2		1/2	
3/4	2,545.84	3/4	2,201.57	3/4	1,857.29	3/4	1,513.02	3/4	1,168.74	3/4	824.96	3/4	480.70	3/4	136.44	3/4		3/4	
8	2,538.67	8	2,194.40	8	1,850.12	8	1,505.85	8	1,161.57	8	817.79	8	473.53	8	129.27	8		8	
1/4	2,531.50	1/4	2,187.22	1/4	1,842.95	1/4	1,498.67	1/4	1,154.40	1/4	810.61	1/4	466.35	1/4	122.10	1/4		1/4	
1/2	2,524.33	1/2	2,180.05	1/2	1,835.78	1/2	1,491.50	1/2	1,147.23	1/2	803.44	1/2	459.18	1/2	114.93	1/2		1/2	
3/4	2,517.15	3/4	2,172.88	3/4	1,828.60	3/4	1,484.33	3/4	1,140.05	3/4	796.27	3/4	452.01	3/4	107.77	3/4		3/4	
9	2,509.98	9	2,165.71	9	1,821.43	9	1,477.16	9	1,132.88	9	789.10	9	444.84	9	100.60	9		9	
1/4	2,502.81	1/4	2,158.53	1/4	1,814.26	1/4	1,469.98	1/4	1,125.71	1/4	781.93	1/4	437.67	1/4	93.45	1/4		1/4	
1/2	2,495.64	1/2	2,151.36	1/2	1,807.09	1/2	1,462.81	1/2	1,118.54	1/2	774.75	1/2	430.49	1/2	86.30	1/2		1/2	
3/4	2,488.47	3/4	2,144.19	3/4	1,799.91	3/4	1,455.64	3/4	1,111.37	3/4	767.58	3/4	423.32	3/4	79.16	3/4		3/4	
10	2,481.29	10	2,137.02	10	1,792.74	10	1,448.47	10	1,104.20	10	760.41	10	416.15	10	72.01	10		10	
1/4	2,474.12	1/4	2,129.85	1/4	1,785.57	1/4	1,441.29	1/4	1,097.04	1/4	753.24	1/4	408.98	1/4	65.30	1/4		1/4	
1/2	2,466.95	1/2	2,122.67	1/2	1,778.40	1/2	1,434.12	1/2	1,089.88	1/2	746.07	1/2	401.80	1/2	58.60	1/2		1/2	
3/4	2,459.78	3/4	2,115.50	3/4	1,771.23	3/4	1,426.95	3/4	1,082.72	3/4	738.89	3/4	394.63	3/4	51.89	3/4		3/4	
11	2,452.60	11	2,108.33	11	1,764.05	11	1,419.78	11	1,075.55	11	731.72	11	387.46	11	45.19	11		11	
1/4	2,445.43	1/4	2,101.16	1/4	1,756.88	1/4	1,412.61	1/4	1,068.39	1/4	724.55	1/4	380.29	1/4	39.81	1/4		1/4	
1/2	2,438.26	1/2	2,093.98	1/2	1,749.71	1/2	1,405.43	1/2	1,061.24	1/2	717.38	1/2	373.12	1/2	34.43	1/2		1/2	
3/4	2,431.09	3/4	2,086.81	3/4	1,742.54	3/4	1,398.26	3/4	1,054.08	3/4	710.21	3/4	365.94	3/4	29.05	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MPX 416"

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	4,393.32	0	4,224.00	0	4,015.26	0	3,806.03	0	3,596.38	0	3,387.26	0	3,074.28
1/4		1/4		1/4		1/4	4,391.61	1/4	4,219.65	1/4	4,010.91	1/4	3,801.66	1/4	3,592.01	1/4	3,382.92	1/4	3,067.17
1/2		1/2		1/2		1/2	4,389.90	1/2	4,215.30	1/2	4,006.56	1/2	3,797.30	1/2	3,587.64	1/2	3,378.57	1/2	3,060.06
3/4		3/4		3/4		3/4	4,388.20	3/4	4,210.95	3/4	4,002.22	3/4	3,792.93	3/4	3,583.27	3/4	3,374.23	3/4	3,052.96
1		1		1		1	4,386.49	1	4,206.60	1	3,997.87	1	3,788.56	1	3,578.91	1	3,368.89	1	3,045.85
1/4		1/4		1/4		1/4	4,384.78	1/4	4,202.26	1/4	3,993.52	1/4	3,784.19	1/4	3,574.54	1/4	3,365.55	1/4	3,038.73
1/2		1/2		1/2		1/2	4,383.08	1/2	4,197.91	1/2	3,989.17	1/2	3,779.82	1/2	3,570.17	1/2	3,361.22	1/2	3,031.61
3/4		3/4		3/4		3/4	4,381.37	3/4	4,193.56	3/4	3,984.82	3/4	3,775.46	3/4	3,565.80	3/4	3,356.89	3/4	3,024.50
2		2		2		2	4,379.67	2	4,189.21	2	3,980.47	2	3,771.09	2	3,561.43	2	3,352.55	2	3,017.38
1/4		1/4		1/4		1/4	4,377.99	1/4	4,184.86	1/4	3,976.12	1/4	3,766.72	1/4	3,557.07	1/4	3,348.21	1/4	3,010.25
1/2		1/2		1/2		1/2	4,375.72	1/2	4,180.51	1/2	3,971.77	1/2	3,762.35	1/2	3,552.70	1/2	3,343.84	1/2	3,003.13
3/4		3/4		3/4		3/4	4,373.74	3/4	4,176.16	3/4	3,967.43	3/4	3,757.99	3/4	3,548.33	3/4	3,339.47	3/4	2,996.01
3		3		3		3	4,371.77	3	4,171.81	3	3,963.08	3	3,753.62	3	3,543.96	3	3,335.10	3	2,988.88
1/4		1/4		1/4		1/4	4,368.93	1/4	4,167.47	1/4	3,958.73	1/4	3,749.25	1/4	3,539.60	1/4	3,329.73	1/4	2,981.76
1/2		1/2		1/2		1/2	4,366.10	1/2	4,163.12	1/2	3,954.38	1/2	3,744.88	1/2	3,535.24	1/2	3,325.36	1/2	2,974.63
3/4		3/4		3/4		3/4	4,363.26	3/4	4,158.77	3/4	3,950.03	3/4	3,740.51	3/4	3,530.88	3/4	3,320.99	3/4	2,967.51
4		4		4		4	4,360.42	4	4,154.42	4	3,945.68	4	3,736.15	4	3,526.52	4	3,316.62	4	2,960.38
1/4		1/4		1/4		1/4	4,356.58	1/4	4,150.07	1/4	3,941.33	1/4	3,731.78	1/4	3,522.17	1/4	3,312.25	1/4	2,953.26
1/2		1/2		1/2		1/2	4,352.74	1/2	4,145.72	1/2	3,936.98	1/2	3,727.41	1/2	3,517.82	1/2	3,307.88	1/2	2,946.13
3/4		3/4		3/4		3/4	4,348.90	3/4	4,141.37	3/4	3,932.64	3/4	3,723.04	3/4	3,513.47	3/4	3,303.51	3/4	2,939.01
5		5		5		5	4,345.06	5	4,137.02	5	3,928.29	5	3,718.68	5	3,509.12	5	3,299.14	5	2,931.88
1/4		1/4		1/4		1/4	4,340.78	1/4	4,132.68	1/4	3,923.93	1/4	3,714.31	1/4	3,504.76	1/4	3,294.77	1/4	2,924.76
1/2		1/2		1/2		1/2	4,336.50	1/2	4,128.33	1/2	3,919.57	1/2	3,709.94	1/2	3,500.41	1/2	3,290.40	1/2	2,917.64
3/4		3/4		3/4		3/4	4,332.22	3/4	4,123.98	3/4	3,915.22	3/4	3,705.57	3/4	3,496.06	3/4	3,286.03	3/4	2,910.52
6		6		6		6	4,327.94	6	4,119.63	6	3,910.86	6	3,701.20	6	3,491.71	6	3,281.66	6	2,903.40
1/4		1/4		1/4		1/4	4,323.63	1/4	4,115.28	1/4	3,906.49	1/4	3,696.84	1/4	3,487.36	1/4	3,277.29	1/4	2,896.29
1/2		1/2		1/2		1/2	4,319.31	1/2	4,110.93	1/2	3,902.12	1/2	3,692.47	1/2	3,483.00	1/2	3,272.92	1/2	2,889.18
3/4		3/4		3/4		3/4	4,315.00	3/4	4,106.58	3/4	3,897.76	3/4	3,688.10	3/4	3,478.65	3/4	3,268.55	3/4	2,882.07
7		7		7		7	4,310.69	7	4,102.24	7	3,893.39	7	3,683.73	7	3,474.30	7	3,264.18	7	2,874.95
1/4		1/4		1/4		1/4	4,306.37	1/4	4,097.89	1/4	3,889.02	1/4	3,679.37	1/4	3,469.95	1/4	3,259.81	1/4	2,867.84
1/2		1/2		1/2		1/2	4,302.05	1/2	4,093.54	1/2	3,884.65	1/2	3,675.00	1/2	3,465.60	1/2	3,255.44	1/2	2,860.73
3/4		3/4		3/4		3/4	4,297.73	3/4	4,089.19	3/4	3,880.28	3/4	3,670.63	3/4	3,461.24	3/4	3,251.07	3/4	2,853.61
8		8		8		8	4,293.41	8	4,084.84	8	3,875.92	8	3,666.26	8	3,456.89	8	3,246.70	8	2,846.50
1/4		1/4		1/4		1/4	4,289.09	1/4	4,080.49	1/4	3,871.55	1/4	3,661.89	1/4	3,452.54	1/4	3,242.33	1/4	2,839.39
1/2		1/2		1/2		1/2	4,284.77	1/2	4,076.14	1/2	3,867.18	1/2	3,657.53	1/2	3,448.19	1/2	3,237.96	1/2	2,832.27
3/4		3/4		3/4		3/4	4,280.45	3/4	4,071.79	3/4	3,862.81	3/4	3,653.16	3/4	3,443.84	3/4	3,233.59	3/4	2,825.16
9		9		9		9	4,276.13	9	4,067.45	9	3,858.44	9	3,648.79	9	3,439.48	9	3,229.22	9	2,818.05
1/4		1/4		1/4		1/4	4,271.79	1/4	4,063.10	1/4	3,854.08	1/4	3,644.42	1/4	3,435.13	1/4	3,224.85	1/4	2,810.94
1/2		1/2		1/2		1/2	4,267.46	1/2	4,058.75	1/2	3,849.71	1/2	3,640.05	1/2	3,430.78	1/2	3,220.48	1/2	2,803.82
3/4		3/4		3/4		3/4	4,263.12	3/4	4,054.40	3/4	3,845.34	3/4	3,635.69	3/4	3,426.43	3/4	3,216.11	3/4	2,796.71
10		10		10		10	4,258.79	10	4,050.05	10	3,840.97	10	3,631.32	10	3,422.08	10	3,211.74	10	2,789.60
1/4		1/4		1/4		1/4	4,254.44	1/4	4,045.70	1/4	3,836.61	1/4	3,626.95	1/4	3,417.72	1/4	3,207.37	1/4	2,782.48
1/2		1/2		1/2		1/2	4,250.09	1/2	4,041.35	1/2	3,832.24	1/2	3,622.58	1/2	3,413.37	1/2	3,202.99	1/2	2,775.37
3/4		3/4		3/4		3/4	4,245.74	3/4	4,037.00	3/4	3,827.87	3/4	3,618.22	3/4	3,409.02	3/4	3,198.62	3/4	2,768.26
11		11		11	4,397.62	11	4,241.39	11	4,032.66	11	3,823.50	11	3,613.85	11	3,404.67	11	3,194.25	11	2,761.14
1/4		1/4		1/4	4,396.54	1/4	4,237.04	1/4	4,028.31	1/4	3,819.13	1/4	3,609.48	1/4	3,400.32	1/4	3,189.88	1/4	2,754.03
1/2		1/2		1/2	4,395.47	1/2	4,232.70	1/2	4,023.96	1/2	3,814.77	1/2	3,605.11	1/2	3,395.96	1/2	3,185.51	1/2	2,746.92
3/4		3/4		3/4	4,394.39	3/4	4,228.35	3/4	4,019.61	3/4	3,810.40	3/4	3,600.74	3/4	3,391.61	3/4	3,181.14	3/4	2,739.81

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
GAUGE POINT: (10" HATCH) LOCATED 82'-08" 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 416"

**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	2,732.69	0	2,391.26	0	2,049.79	0	1,708.32	0	1,366.85	0	1,029.37	0	698.06	0	356.50	0	23.52	0	
1/4	2,725.58	1/4	2,384.14	1/4	2,042.68	1/4	1,701.21	1/4	1,359.74	1/4	1,022.57	1/4	690.94	1/4	349.38	1/4	19.96	1/4	
1/2	2,718.47	1/2	2,377.03	1/2	2,035.56	1/2	1,694.09	1/2	1,352.63	1/2	1,015.76	1/2	683.83	1/2	342.25	1/2	16.40	1/2	
3/4	2,711.35	3/4	2,369.91	3/4	2,028.45	3/4	1,686.98	3/4	1,345.51	3/4	1,008.96	3/4	676.71	3/4	335.12	3/4	12.83	3/4	
1	2,704.24	1	2,362.80	1	2,021.33	1	1,679.87	1	1,338.40	1	1,002.15	1	669.60	1	328.00	1	9.27	1	
1/4	2,697.13	1/4	2,355.69	1/4	2,014.22	1/4	1,672.75	1/4	1,331.29	1/4	995.35	1/4	662.48	1/4	320.87	1/4	7.49	1/4	
1/2	2,690.01	1/2	2,348.57	1/2	2,007.11	1/2	1,665.64	1/2	1,324.17	1/2	988.55	1/2	655.37	1/2	313.74	1/2	5.71	1/2	
3/4	2,682.90	3/4	2,341.46	3/4	1,999.99	3/4	1,658.52	3/4	1,317.06	3/4	981.74	3/4	648.25	3/4	306.62	3/4	3.93	3/4	
2	2,675.79	2	2,334.35	2	1,992.88	2	1,651.41	2	1,309.94	2	974.94	2	641.14	2	299.49	2	2.15	2	
1/4	2,668.68	1/4	2,327.23	1/4	1,985.76	1/4	1,644.30	1/4	1,302.83	1/4	968.13	1/4	634.02	1/4	292.36	1/4		1/4	
1/2	2,661.56	1/2	2,320.12	1/2	1,978.65	1/2	1,637.18	1/2	1,295.72	1/2	961.33	1/2	626.91	1/2	285.24	1/2		1/2	
3/4	2,654.45	3/4	2,313.00	3/4	1,971.54	3/4	1,630.07	3/4	1,288.60	3/4	954.52	3/4	619.79	3/4	278.11	3/4		3/4	
3	2,647.34	3	2,305.89	3	1,964.42	3	1,622.96	3	1,281.49	3	947.72	3	612.68	3	270.98	3		3	
1/4	2,640.22	1/4	2,298.78	1/4	1,957.31	1/4	1,615.84	1/4	1,274.37	1/4	940.91	1/4	605.56	1/4	263.86	1/4		1/4	
1/2	2,633.11	1/2	2,291.66	1/2	1,950.19	1/2	1,608.73	1/2	1,267.26	1/2	934.11	1/2	598.44	1/2	256.73	1/2		1/2	
3/4	2,626.00	3/4	2,284.55	3/4	1,943.08	3/4	1,601.61	3/4	1,260.15	3/4	927.30	3/4	591.33	3/4	249.60	3/4		3/4	
4	2,618.88	4	2,277.43	4	1,935.97	4	1,594.50	4	1,253.03	4	920.50	4	584.21	4	242.48	4		4	
1/4	2,611.77	1/4	2,270.32	1/4	1,928.85	1/4	1,587.39	1/4	1,245.92	1/4	913.69	1/4	577.10	1/4	235.35	1/4		1/4	
1/2	2,604.66	1/2	2,263.21	1/2	1,921.74	1/2	1,580.27	1/2	1,238.80	1/2	906.89	1/2	569.98	1/2	228.22	1/2		1/2	
3/4	2,597.55	3/4	2,256.09	3/4	1,914.63	3/4	1,573.16	3/4	1,231.69	3/4	900.09	3/4	562.87	3/4	221.09	3/4		3/4	
5	2,590.43	5	2,248.98	5	1,907.51	5	1,566.04	5	1,224.58	5	893.28	5	555.75	5	213.97	5		5	
1/4	2,583.32	1/4	2,241.86	1/4	1,900.40	1/4	1,558.93	1/4	1,217.46	1/4	886.48	1/4	548.64	1/4	206.84	1/4		1/4	
1/2	2,576.21	1/2	2,234.75	1/2	1,893.28	1/2	1,551.82	1/2	1,210.35	1/2	879.67	1/2	541.52	1/2	199.71	1/2		1/2	
3/4	2,569.09	3/4	2,227.64	3/4	1,886.17	3/4	1,544.70	3/4	1,203.24	3/4	872.87	3/4	534.41	3/4	192.59	3/4		3/4	
6	2,561.98	6	2,220.52	6	1,879.06	6	1,537.59	6	1,196.12	6	866.06	6	527.29	6	185.46	6		6	
1/4	2,554.87	1/4	2,213.41	1/4	1,871.94	1/4	1,530.47	1/4	1,189.01	1/4	859.26	1/4	520.18	1/4	178.33	1/4		1/4	
1/2	2,547.75	1/2	2,206.30	1/2	1,864.83	1/2	1,523.36	1/2	1,181.89	1/2	852.45	1/2	513.06	1/2	171.21	1/2		1/2	
3/4	2,540.64	3/4	2,199.18	3/4	1,857.71	3/4	1,516.25	3/4	1,174.78	3/4	845.64	3/4	505.95	3/4	164.08	3/4		3/4	
7	2,533.53	7	2,192.07	7	1,850.60	7	1,509.13	7	1,167.67	7	838.83	7	498.83	7	156.95	7		7	
1/4	2,526.42	1/4	2,184.95	1/4	1,843.49	1/4	1,502.02	1/4	1,160.55	1/4	831.98	1/4	491.72	1/4	149.83	1/4		1/4	
1/2	2,519.30	1/2	2,177.84	1/2	1,836.37	1/2	1,494.91	1/2	1,153.44	1/2	825.13	1/2	484.60	1/2	142.70	1/2		1/2	
3/4	2,512.19	3/4	2,170.73	3/4	1,829.26	3/4	1,487.79	3/4	1,146.32	3/4	818.29	3/4	477.49	3/4	135.58	3/4		3/4	
8	2,505.08	8	2,163.61	8	1,822.14	8	1,480.68	8	1,139.21	8	811.44	8	470.37	8	128.45	8		8	
1/4	2,497.96	1/4	2,156.50	1/4	1,815.03	1/4	1,473.56	1/4	1,132.21	1/4	804.44	1/4	463.26	1/4	121.33	1/4		1/4	
1/2	2,490.85	1/2	2,149.38	1/2	1,807.92	1/2	1,466.45	1/2	1,125.21	1/2	797.44	1/2	456.14	1/2	114.21	1/2		1/2	
3/4	2,483.74	3/4	2,142.27	3/4	1,800.80	3/4	1,459.34	3/4	1,118.21	3/4	790.44	3/4	449.03	3/4	107.09	3/4		3/4	
9	2,476.62	9	2,135.16	9	1,793.69	9	1,452.22	9	1,111.22	9	783.44	9	441.91	9	99.97	9		9	
1/4	2,469.51	1/4	2,128.04	1/4	1,786.57	1/4	1,445.11	1/4	1,104.37	1/4	776.32	1/4	434.80	1/4	92.86	1/4		1/4	
1/2	2,462.40	1/2	2,120.93	1/2	1,779.46	1/2	1,437.99	1/2	1,097.52	1/2	769.21	1/2	427.68	1/2	85.76	1/2		1/2	
3/4	2,455.28	3/4	2,113.81	3/4	1,772.35	3/4	1,430.88	3/4	1,090.67	3/4	762.09	3/4	420.56	3/4	78.66	3/4		3/4	
10	2,448.17	10	2,106.70	10	1,765.23	10	1,423.77	10	1,083.83	10	754.98	10	413.45	10	71.55	10		10	
1/4	2,441.05	1/4	2,099.59	1/4	1,758.12	1/4	1,416.65	1/4	1,077.02	1/4	747.86	1/4	406.33	1/4	64.89	1/4		1/4	
1/2	2,433.94	1/2	2,092.47	1/2	1,751.01	1/2	1,409.54	1/2	1,070.21	1/2	740.75	1/2	399.22	1/2	58.23	1/2		1/2	
3/4	2,426.83	3/4	2,085.36	3/4	1,743.89	3/4	1,402.42	3/4	1,063.40	3/4	733.63	3/4	392.10	3/4	51.56	3/4		3/4	
11	2,419.71	11	2,078.24	11	1,736.78	11	1,395.31	11	1,056.59	11	726.52	11	384.99	11	44.90	11		11	
1/4	2,412.60	1/4	2,071.13	1/4	1,729.66	1/4	1,388.20	1/4	1,049.79	1/4	719.40	1/4	377.87	1/4	39.56	1/4		1/4	
1/2	2,405.48	1/2	2,064.02	1/2	1,722.55	1/2	1,381.08	1/2	1,042.98	1/2	712.29	1/2	370.75	1/2	34.21	1/2		1/2	
3/4	2,398.37	3/4	2,056.90	3/4	1,715.44	3/4	1,373.97	3/4	1,036.18	3/4	705.17	3/4	363.63	3/4	28.87	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2021

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





BARGE "MPX 416"

3 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	4,415.05	0	4,245.48	0	4,036.44	0	3,826.91	0	3,616.96	0	3,407.01	0	3,093.78
1/4		1/4		1/4		1/4	4,413.34	1/4	4,241.12	1/4	4,032.09	1/4	3,822.54	1/4	3,612.58	1/4	3,402.65	1/4	3,086.67
1/2		1/2		1/2		1/2	4,411.63	1/2	4,236.77	1/2	4,027.73	1/2	3,818.16	1/2	3,608.21	1/2	3,398.29	1/2	3,079.55
3/4		3/4		3/4		3/4	4,409.93	3/4	4,232.41	3/4	4,023.38	3/4	3,813.79	3/4	3,603.84	3/4	3,393.94	3/4	3,072.44
1		1		1		1	4,408.22	1	4,228.06	1	4,019.02	1	3,809.41	1	3,599.46	1	3,393.58	1	3,065.33
1/4		1/4		1/4		1/4	4,406.51	1/4	4,223.70	1/4	4,014.67	1/4	3,805.04	1/4	3,595.09	1/4	3,385.24	1/4	3,058.21
1/2		1/2		1/2		1/2	4,404.80	1/2	4,219.35	1/2	4,010.31	1/2	3,800.67	1/2	3,590.71	1/2	3,380.90	1/2	3,051.10
3/4		3/4		3/4		3/4	4,403.09	3/4	4,214.99	3/4	4,005.96	3/4	3,796.29	3/4	3,586.34	3/4	3,376.57	3/4	3,043.98
2		2		2		2	4,401.38	2	4,210.64	2	4,001.60	2	3,791.92	2	3,581.97	2	3,372.23	2	3,036.87
1/4		1/4		1/4		1/4	4,399.40	1/4	4,206.28	1/4	3,997.25	1/4	3,787.54	1/4	3,577.59	1/4	3,366.51	1/4	3,029.76
1/2		1/2		1/2		1/2	4,397.43	1/2	4,201.93	1/2	3,992.89	1/2	3,783.17	1/2	3,573.22	1/2	3,360.79	1/2	3,022.64
3/4		3/4		3/4		3/4	4,395.45	3/4	4,197.57	3/4	3,988.54	3/4	3,778.80	3/4	3,568.84	3/4	3,355.08	3/4	3,015.53
3		3		3		3	4,393.47	3	4,193.22	3	3,984.18	3	3,774.42	3	3,564.47	3	3,350.36	3	3,008.41
1/4		1/4		1/4		1/4	4,390.63	1/4	4,188.86	1/4	3,979.83	1/4	3,770.05	1/4	3,560.10	1/4	3,342.26	1/4	3,001.30
1/2		1/2		1/2		1/2	4,387.79	1/2	4,184.51	1/2	3,975.47	1/2	3,765.67	1/2	3,555.72	1/2	3,335.17	1/2	2,994.19
3/4		3/4		3/4		3/4	4,384.94	3/4	4,180.15	3/4	3,971.12	3/4	3,761.30	3/4	3,551.35	3/4	3,328.07	3/4	2,987.07
4		4		4		4	4,382.10	4	4,175.80	4	3,966.76	4	3,756.93	4	3,546.97	4	3,320.97	4	2,979.96
1/4		1/4		1/4		1/4	4,378.26	1/4	4,171.44	1/4	3,962.41	1/4	3,752.55	1/4	3,542.60	1/4	3,313.88	1/4	2,972.84
1/2		1/2		1/2		1/2	4,374.41	1/2	4,167.09	1/2	3,958.05	1/2	3,748.18	1/2	3,538.23	1/2	3,306.78	1/2	2,965.73
3/4		3/4		3/4		3/4	4,370.56	3/4	4,162.73	3/4	3,953.70	3/4	3,743.80	3/4	3,533.85	3/4	3,299.68	3/4	2,958.62
5		5		5		5	4,366.71	5	4,158.38	5	3,949.34	5	3,739.43	5	3,529.48	5	3,292.59	5	2,951.50
1/4		1/4		1/4		1/4	4,362.43	1/4	4,154.02	1/4	3,944.98	1/4	3,735.06	1/4	3,525.10	1/4	3,285.49	1/4	2,944.39
1/2		1/2		1/2		1/2	4,358.14	1/2	4,149.67	1/2	3,940.61	1/2	3,730.68	1/2	3,520.73	1/2	3,278.39	1/2	2,937.28
3/4		3/4		3/4		3/4	4,353.86	3/4	4,145.31	3/4	3,936.25	3/4	3,726.31	3/4	3,516.36	3/4	3,271.30	3/4	2,930.16
6		6		6		6	4,349.57	6	4,140.96	6	3,931.89	6	3,721.93	6	3,511.98	6	3,264.20	6	2,923.05
1/4		1/4		1/4		1/4	4,345.25	1/4	4,136.60	1/4	3,927.51	1/4	3,717.56	1/4	3,507.61	1/4	3,257.10	1/4	2,915.93
1/2		1/2		1/2		1/2	4,340.93	1/2	4,132.25	1/2	3,923.14	1/2	3,713.19	1/2	3,503.23	1/2	3,250.01	1/2	2,908.82
3/4		3/4		3/4		3/4	4,336.61	3/4	4,127.89	3/4	3,918.76	3/4	3,708.81	3/4	3,498.86	3/4	3,242.91	3/4	2,901.71
7		7		7		7	4,332.30	7	4,123.54	7	3,914.39	7	3,704.44	7	3,494.49	7	3,235.81	7	2,894.59
1/4		1/4		1/4		1/4	4,327.97	1/4	4,119.19	1/4	3,910.02	1/4	3,700.06	1/4	3,490.11	1/4	3,228.72	1/4	2,887.48
1/2		1/2		1/2		1/2	4,323.65	1/2	4,114.83	1/2	3,905.64	1/2	3,695.69	1/2	3,485.74	1/2	3,221.62	1/2	2,880.36
3/4		3/4		3/4		3/4	4,319.32	3/4	4,110.48	3/4	3,901.27	3/4	3,691.32	3/4	3,481.36	3/4	3,214.52	3/4	2,873.25
8		8		8		8	4,314.99	8	4,106.12	8	3,896.89	8	3,686.94	8	3,476.99	8	3,207.43	8	2,866.14
1/4		1/4		1/4		1/4	4,310.67	1/4	4,101.77	1/4	3,892.52	1/4	3,682.57	1/4	3,472.62	1/4	3,200.33	1/4	2,859.02
1/2		1/2		1/2		1/2	4,306.34	1/2	4,097.41	1/2	3,888.15	1/2	3,678.19	1/2	3,468.24	1/2	3,193.23	1/2	2,851.91
3/4		3/4		3/4		3/4	4,302.01	3/4	4,093.06	3/4	3,883.77	3/4	3,673.82	3/4	3,463.87	3/4	3,186.14	3/4	2,844.79
9		9		9		9	4,297.68	9	4,088.70	9	3,879.40	9	3,669.45	9	3,459.49	9	3,179.04	9	2,837.68
1/4		1/4		1/4		1/4	4,293.34	1/4	4,084.35	1/4	3,875.02	1/4	3,665.07	1/4	3,455.12	1/4	3,171.94	1/4	2,830.57
1/2		1/2		1/2		1/2	4,289.00	1/2	4,079.99	1/2	3,870.65	1/2	3,660.70	1/2	3,450.75	1/2	3,164.85	1/2	2,823.45
3/4		3/4		3/4		3/4	4,284.66	3/4	4,075.64	3/4	3,866.28	3/4	3,656.32	3/4	3,446.37	3/4	3,157.75	3/4	2,816.34
10		10		10		10	4,280.32	10	4,071.28	10	3,861.90	10	3,651.95	10	3,442.00	10	3,150.65	10	2,809.22
1/4		1/4		1/4		1/4	4,275.96	1/4	4,066.93	1/4	3,857.53	1/4	3,647.58	1/4	3,437.62	1/4	3,143.55	1/4	2,802.11
1/2		1/2		1/2		1/2	4,271.61	1/2	4,062.57	1/2	3,853.15	1/2	3,643.20	1/2	3,433.25	1/2	3,136.45	1/2	2,795.00
3/4		3/4		3/4		3/4	4,267.25	3/4	4,058.22	3/4	3,848.78	3/4	3,638.83	3/4	3,428.88	3/4	3,129.34	3/4	2,787.88
11		11		11	4,419.36	11	4,262.90	11	4,053.86	11	3,844.41	11	3,634.45	11	3,424.50	11	3,122.24	11	2,780.77
1/4		1/4		1/4	4,418.28	1/4	4,258.54	1/4	4,049.51	1/4	3,840.03	1/4	3,630.08	1/4	3,420.13	1/4	3,115.12	1/4	2,773.66
1/2		1/2		1/2	4,417.21	1/2	4,254.19	1/2	4,045.15	1/2	3,835.66	1/2	3,625.71	1/2	3,415.75	1/2	3,108.01	1/2	2,766.54
3/4		3/4		3/4	4,416.13	3/4	4,249.83	3/4	4,040.80	3/4	3,831.28	3/4	3,621.33	3/4	3,411.38	3/4	3,100.89	3/4	2,759.43

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 82'-08" 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 416"

3 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	2,752.31	0	2,410.29	0	2,067.95	0	1,725.61	0	1,383.27	0	1,041.04	0	699.10	0	356.77	0	23.55	0	
1/4	2,745.20	1/4	2,403.16	1/4	2,060.82	1/4	1,718.48	1/4	1,376.14	1/4	1,033.92	1/4	691.96	1/4	349.63	1/4	19.98	1/4	
1/2	2,738.09	1/2	2,396.03	1/2	2,053.69	1/2	1,711.35	1/2	1,369.01	1/2	1,026.80	1/2	684.83	1/2	342.50	1/2	16.42	1/2	
3/4	2,730.97	3/4	2,388.90	3/4	2,046.55	3/4	1,704.21	3/4	1,361.87	3/4	1,019.68	3/4	677.70	3/4	335.37	3/4	12.85	3/4	
1	2,723.86	1	2,381.76	1	2,039.42	1	1,697.08	1	1,354.74	1	1,012.56	1	670.57	1	328.24	1	9.28	1	
1/4	2,716.74	1/4	2,374.63	1/4	2,032.29	1/4	1,689.95	1/4	1,347.61	1/4	1,005.45	1/4	663.44	1/4	321.11	1/4	7.50	1/4	
1/2	2,709.63	1/2	2,367.50	1/2	2,025.16	1/2	1,682.82	1/2	1,340.48	1/2	998.33	1/2	656.31	1/2	313.97	1/2	5.72	1/2	
3/4	2,702.52	3/4	2,360.37	3/4	2,018.03	3/4	1,675.69	3/4	1,333.34	3/4	991.21	3/4	649.17	3/4	306.84	3/4	3.94	3/4	
2	2,695.40	2	2,353.24	2	2,010.89	2	1,668.55	2	1,326.21	2	984.09	2	642.04	2	299.71	2	2.15	2	
1/4	2,688.29	1/4	2,346.10	1/4	2,003.76	1/4	1,661.42	1/4	1,319.08	1/4	976.97	1/4	634.91	1/4	292.58	1/4		1/4	
1/2	2,681.17	1/2	2,338.97	1/2	1,996.63	1/2	1,654.29	1/2	1,311.95	1/2	969.86	1/2	627.78	1/2	285.45	1/2		1/2	
3/4	2,674.06	3/4	2,331.84	3/4	1,989.50	3/4	1,647.16	3/4	1,304.82	3/4	962.74	3/4	620.65	3/4	278.31	3/4		3/4	
3	2,666.95	3	2,324.71	3	1,982.37	3	1,640.03	3	1,297.68	3	955.62	3	613.51	3	271.18	3		3	
1/4	2,659.83	1/4	2,317.57	1/4	1,975.23	1/4	1,632.89	1/4	1,290.55	1/4	948.50	1/4	606.38	1/4	264.05	1/4		1/4	
1/2	2,652.72	1/2	2,310.44	1/2	1,968.10	1/2	1,625.76	1/2	1,283.42	1/2	941.38	1/2	599.25	1/2	256.92	1/2		1/2	
3/4	2,645.61	3/4	2,303.31	3/4	1,960.97	3/4	1,618.63	3/4	1,276.29	3/4	934.27	3/4	592.12	3/4	249.79	3/4		3/4	
4	2,638.49	4	2,296.18	4	1,953.84	4	1,611.50	4	1,269.16	4	927.15	4	584.99	4	242.65	4		4	
1/4	2,631.37	1/4	2,289.05	1/4	1,946.71	1/4	1,604.36	1/4	1,262.02	1/4	920.03	1/4	577.85	1/4	235.52	1/4		1/4	
1/2	2,624.25	1/2	2,281.91	1/2	1,939.57	1/2	1,597.23	1/2	1,254.89	1/2	912.91	1/2	570.72	1/2	228.39	1/2		1/2	
3/4	2,617.12	3/4	2,274.78	3/4	1,932.44	3/4	1,590.10	3/4	1,247.76	3/4	905.80	3/4	563.59	3/4	221.26	3/4		3/4	
5	2,610.00	5	2,267.65	5	1,925.31	5	1,582.97	5	1,240.63	5	898.68	5	556.46	5	214.13	5		5	
1/4	2,602.87	1/4	2,260.52	1/4	1,918.18	1/4	1,575.84	1/4	1,233.50	1/4	891.56	1/4	549.33	1/4	207.00	1/4		1/4	
1/2	2,595.73	1/2	2,253.39	1/2	1,911.05	1/2	1,568.70	1/2	1,226.36	1/2	884.44	1/2	542.19	1/2	199.86	1/2		1/2	
3/4	2,588.60	3/4	2,246.25	3/4	1,903.91	3/4	1,561.57	3/4	1,219.23	3/4	877.32	3/4	535.06	3/4	192.73	3/4		3/4	
6	2,581.47	6	2,239.12	6	1,896.78	6	1,554.44	6	1,212.10	6	870.21	6	527.93	6	185.60	6		6	
1/4	2,574.33	1/4	2,231.99	1/4	1,889.65	1/4	1,547.31	1/4	1,204.97	1/4	863.08	1/4	520.80	1/4	178.47	1/4		1/4	
1/2	2,567.20	1/2	2,224.86	1/2	1,882.52	1/2	1,540.18	1/2	1,197.84	1/2	855.96	1/2	513.67	1/2	171.34	1/2		1/2	
3/4	2,560.07	3/4	2,217.73	3/4	1,875.38	3/4	1,533.04	3/4	1,190.70	3/4	848.84	3/4	506.54	3/4	164.20	3/4		3/4	
7	2,552.93	7	2,210.59	7	1,868.25	7	1,525.91	7	1,183.57	7	841.72	7	499.40	7	157.07	7		7	
1/4	2,545.80	1/4	2,203.46	1/4	1,861.12	1/4	1,518.78	1/4	1,176.44	1/4	834.59	1/4	492.27	1/4	149.94	1/4		1/4	
1/2	2,538.67	1/2	2,196.33	1/2	1,853.99	1/2	1,511.65	1/2	1,169.31	1/2	827.46	1/2	485.14	1/2	142.81	1/2		1/2	
3/4	2,531.54	3/4	2,189.20	3/4	1,846.86	3/4	1,504.52	3/4	1,162.17	3/4	820.33	3/4	478.01	3/4	135.68	3/4		3/4	
8	2,524.40	8	2,182.06	8	1,839.72	8	1,497.38	8	1,155.04	8	813.21	8	470.88	8	128.55	8		8	
1/4	2,517.27	1/4	2,174.93	1/4	1,832.59	1/4	1,490.25	1/4	1,147.91	1/4	806.07	1/4	463.74	1/4	121.42	1/4		1/4	
1/2	2,510.14	1/2	2,167.80	1/2	1,825.46	1/2	1,483.12	1/2	1,140.78	1/2	798.94	1/2	456.61	1/2	114.30	1/2		1/2	
3/4	2,503.01	3/4	2,160.67	3/4	1,818.33	3/4	1,475.99	3/4	1,133.65	3/4	791.81	3/4	449.48	3/4	107.17	3/4		3/4	
9	2,495.88	9	2,153.54	9	1,811.20	9	1,468.85	9	1,126.51	9	784.68	9	442.35	9	100.04	9		9	
1/4	2,488.75	1/4	2,146.40	1/4	1,804.06	1/4	1,461.72	1/4	1,119.38	1/4	777.55	1/4	435.22	1/4	92.94	1/4		1/4	
1/2	2,481.61	1/2	2,139.27	1/2	1,796.93	1/2	1,454.59	1/2	1,112.26	1/2	770.42	1/2	428.08	1/2	85.83	1/2		1/2	
3/4	2,474.48	3/4	2,132.14	3/4	1,789.80	3/4	1,447.46	3/4	1,105.13	3/4	763.28	3/4	420.95	3/4	78.72	3/4		3/4	
10	2,467.35	10	2,125.01	10	1,782.67	10	1,440.33	10	1,098.00	10	756.15	10	413.82	10	71.61	10		10	
1/4	2,460.22	1/4	2,117.88	1/4	1,775.54	1/4	1,433.19	1/4	1,090.88	1/4	749.02	1/4	406.69	1/4	64.94	1/4		1/4	
1/2	2,453.08	1/2	2,110.74	1/2	1,768.40	1/2	1,426.06	1/2	1,083.75	1/2	741.89	1/2	399.56	1/2	58.28	1/2		1/2	
3/4	2,445.95	3/4	2,103.61	3/4	1,761.27	3/4	1,418.93	3/4	1,076.63	3/4	734.76	3/4	392.42	3/4	51.61	3/4		3/4	
11	2,438.82	11	2,096.48	11	1,754.14	11	1,411.80	11	1,069.51	11	727.62	11	385.29	11	44.94	11		11	
1/4	2,431.69	1/4	2,089.35	1/4	1,747.01	1/4	1,404.67	1/4	1,062.39	1/4	720.49	1/4	378.16	1/4	39.59	1/4		1/4	
1/2	2,424.56	1/2	2,082.22	1/2	1,739.87	1/2	1,397.53	1/2	1,055.27	1/2	713.36	1/2	371.03	1/2	34.24	1/2		1/2	
3/4	2,417.42	3/4	2,075.08	3/4	1,732.74	3/4	1,390.40	3/4	1,048.15	3/4	706.23	3/4	363.90	3/4	28.90	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/03/2021 CL
CALCULATED: 03/04/2021 CL
PRINTED: 03/04/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



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