



BARGE "MPX 423"

PORT 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	1,105	0	2,210	0	3,315	0	4,420	0	5,525	0		0		0		0	
1/4	23	1/4	1,128	1/4	2,233	1/4	3,338	1/4	4,443	1/4	5,548	1/4		1/4		1/4		1/4	
1/2	46	1/2	1,151	1/2	2,256	1/2	3,361	1/2	4,466	1/2	5,571	1/2		1/2		1/2		1/2	
3/4	69	3/4	1,174	3/4	2,279	3/4	3,384	3/4	4,489	3/4	5,594	3/4		3/4		3/4		3/4	
1	92	1	1,197	1	2,302	1	3,407	1	4,512	1		1		1		1		1	
1/4	115	1/4	1,220	1/4	2,325	1/4	3,430	1/4	4,535	1/4		1/4		1/4		1/4		1/4	
1/2	138	1/2	1,243	1/2	2,348	1/2	3,453	1/2	4,558	1/2		1/2		1/2		1/2		1/2	
3/4	161	3/4	1,266	3/4	2,371	3/4	3,476	3/4	4,581	3/4		3/4		3/4		3/4		3/4	
2	184	2	1,289	2	2,394	2	3,499	2	4,604	2		2		2		2		2	
1/4	207	1/4	1,312	1/4	2,417	1/4	3,522	1/4	4,627	1/4		1/4		1/4		1/4		1/4	
1/2	230	1/2	1,335	1/2	2,440	1/2	3,545	1/2	4,650	1/2		1/2		1/2		1/2		1/2	
3/4	253	3/4	1,358	3/4	2,463	3/4	3,568	3/4	4,673	3/4		3/4		3/4		3/4		3/4	
3	276	3	1,381	3	2,486	3	3,591	3	4,696	3		3		3		3		3	
1/4	299	1/4	1,404	1/4	2,509	1/4	3,614	1/4	4,719	1/4		1/4		1/4		1/4		1/4	
1/2	322	1/2	1,427	1/2	2,532	1/2	3,637	1/2	4,742	1/2		1/2		1/2		1/2		1/2	
3/4	345	3/4	1,450	3/4	2,555	3/4	3,660	3/4	4,765	3/4		3/4		3/4		3/4		3/4	
4	368	4	1,473	4	2,578	4	3,683	4	4,788	4		4		4		4		4	
1/4	391	1/4	1,496	1/4	2,601	1/4	3,706	1/4	4,811	1/4		1/4		1/4		1/4		1/4	
1/2	414	1/2	1,519	1/2	2,624	1/2	3,729	1/2	4,834	1/2		1/2		1/2		1/2		1/2	
3/4	437	3/4	1,542	3/4	2,647	3/4	3,752	3/4	4,857	3/4		3/4		3/4		3/4		3/4	
5	460	5	1,565	5	2,670	5	3,775	5	4,880	5		5		5		5		5	
1/4	483	1/4	1,588	1/4	2,693	1/4	3,798	1/4	4,903	1/4		1/4		1/4		1/4		1/4	
1/2	506	1/2	1,611	1/2	2,716	1/2	3,821	1/2	4,926	1/2		1/2		1/2		1/2		1/2	
3/4	529	3/4	1,634	3/4	2,739	3/4	3,844	3/4	4,949	3/4		3/4		3/4		3/4		3/4	
6	552	6	1,657	6	2,762	6	3,867	6	4,972	6		6		6		6		6	
1/4	576	1/4	1,680	1/4	2,785	1/4	3,890	1/4	4,995	1/4		1/4		1/4		1/4		1/4	
1/2	599	1/2	1,704	1/2	2,808	1/2	3,913	1/2	5,018	1/2		1/2		1/2		1/2		1/2	
3/4	622	3/4	1,727	3/4	2,831	3/4	3,936	3/4	5,041	3/4		3/4		3/4		3/4		3/4	
7	645	7	1,750	7	2,855	7	3,959	7	5,064	7		7		7		7		7	
1/4	668	1/4	1,773	1/4	2,878	1/4	3,983	1/4	5,087	1/4		1/4		1/4		1/4		1/4	
1/2	691	1/2	1,796	1/2	2,901	1/2	4,006	1/2	5,111	1/2		1/2		1/2		1/2		1/2	
3/4	714	3/4	1,819	3/4	2,924	3/4	4,029	3/4	5,134	3/4		3/4		3/4		3/4		3/4	
8	737	8	1,842	8	2,947	8	4,052	8	5,157	8		8		8		8		8	
1/4	760	1/4	1,865	1/4	2,970	1/4	4,075	1/4	5,180	1/4		1/4		1/4		1/4		1/4	
1/2	783	1/2	1,888	1/2	2,993	1/2	4,098	1/2	5,203	1/2		1/2		1/2		1/2		1/2	
3/4	806	3/4	1,911	3/4	3,016	3/4	4,121	3/4	5,226	3/4		3/4		3/4		3/4		3/4	
9	829	9	1,934	9	3,039	9	4,144	9	5,249	9		9		9		9		9	
1/4	852	1/4	1,957	1/4	3,062	1/4	4,167	1/4	5,272	1/4		1/4		1/4		1/4		1/4	
1/2	875	1/2	1,980	1/2	3,085	1/2	4,190	1/2	5,295	1/2		1/2		1/2		1/2		1/2	
3/4	898	3/4	2,003	3/4	3,108	3/4	4,213	3/4	5,318	3/4		3/4		3/4		3/4		3/4	
10	921	10	2,026	10	3,131	10	4,236	10	5,341	10		10		10		10		10	
1/4	944	1/4	2,049	1/4	3,154	1/4	4,259	1/4	5,364	1/4		1/4		1/4		1/4		1/4	
1/2	967	1/2	2,072	1/2	3,177	1/2	4,282	1/2	5,387	1/2		1/2		1/2		1/2		1/2	
3/4	990	3/4	2,095	3/4	3,200	3/4	4,305	3/4	5,410	3/4		3/4		3/4		3/4		3/4	
11	1,013	11	2,118	11	3,223	11	4,328	11	5,433	11		11		11		11		11	
1/4	1,036	1/4	2,141	1/4	3,246	1/4	4,351	1/4	5,456	1/4		1/4		1/4		1/4		1/4	
1/2	1,059	1/2	2,164	1/2	3,269	1/2	4,374	1/2	5,479	1/2		1/2		1/2		1/2		1/2	
3/4	1,082	3/4	2,187	3/4	3,292	3/4	4,397	3/4	5,502	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: 07/28/2021 CL
 CALCULATED: 07/29/2021 CL
 PRINTED: 07/29/2021 JS

CANCELS AND SUPERCEDES
 ALL PRIOR TO 07/2021

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 423"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-06 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,108	0	2,217	0	3,325	0	4,434	0	5,542	0		0		0		0	
1/4	23	1/4	1,132	1/4	2,240	1/4	3,348	1/4	4,457	1/4	5,565	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46	1/2	1,155	1/2	2,263	1/2	3,372	1/2	4,480	1/2	5,589	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69	3/4	1,178	3/4	2,286	3/4	3,395	3/4	4,503	3/4	5,612	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	92	1	1,201	1	2,309	1	3,418	1	4,526	1		1	1	1	1	1	1	1	1
1/4	115	1/4	1,224	1/4	2,332	1/4	3,441	1/4	4,549	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	139	1/2	1,247	1/2	2,355	1/2	3,464	1/2	4,572	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162	3/4	1,270	3/4	2,379	3/4	3,487	3/4	4,596	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	185	2	1,293	2	2,402	2	3,510	2	4,619	2	2	2	2	2	2	2	2	2	2
1/4	208	1/4	1,316	1/4	2,425	1/4	3,533	1/4	4,642	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	231	1/2	1,339	1/2	2,448	1/2	3,556	1/2	4,665	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	254	3/4	1,362	3/4	2,471	3/4	3,579	3/4	4,688	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	277	3	1,386	3	2,494	3	3,603	3	4,711	3	3	3	3	3	3	3	3	3	3
1/4	300	1/4	1,409	1/4	2,517	1/4	3,626	1/4	4,734	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	323	1/2	1,432	1/2	2,540	1/2	3,649	1/2	4,757	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	346	3/4	1,455	3/4	2,563	3/4	3,672	3/4	4,780	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	369	4	1,478	4	2,586	4	3,695	4	4,803	4	4	4	4	4	4	4	4	4	4
1/4	393	1/4	1,501	1/4	2,610	1/4	3,718	1/4	4,826	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	416	1/2	1,524	1/2	2,633	1/2	3,741	1/2	4,850	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	439	3/4	1,547	3/4	2,656	3/4	3,764	3/4	4,873	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	462	5	1,570	5	2,679	5	3,787	5	4,896	5	5	5	5	5	5	5	5	5	5
1/4	485	1/4	1,593	1/4	2,702	1/4	3,810	1/4	4,919	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	508	1/2	1,617	1/2	2,725	1/2	3,833	1/2	4,942	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	531	3/4	1,640	3/4	2,748	3/4	3,857	3/4	4,965	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	554	6	1,663	6	2,771	6	3,880	6	4,988	6	6	6	6	6	6	6	6	6	6
1/4	577	1/4	1,686	1/4	2,794	1/4	3,903	1/4	5,011	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	600	1/2	1,709	1/2	2,817	1/2	3,926	1/2	5,034	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	624	3/4	1,732	3/4	2,840	3/4	3,949	3/4	5,057	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	647	7	1,755	7	2,864	7	3,972	7	5,080	7	7	7	7	7	7	7	7	7	7
1/4	670	1/4	1,778	1/4	2,887	1/4	3,995	1/4	5,104	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	693	1/2	1,801	1/2	2,910	1/2	4,018	1/2	5,127	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	716	3/4	1,824	3/4	2,933	3/4	4,041	3/4	5,150	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	739	8	1,847	8	2,956	8	4,064	8	5,173	8	8	8	8	8	8	8	8	8	8
1/4	762	1/4	1,871	1/4	2,979	1/4	4,087	1/4	5,196	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	785	1/2	1,894	1/2	3,002	1/2	4,111	1/2	5,219	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	808	3/4	1,917	3/4	3,025	3/4	4,134	3/4	5,242	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	831	9	1,940	9	3,048	9	4,157	9	5,265	9	9	9	9	9	9	9	9	9	9
1/4	854	1/4	1,963	1/4	3,071	1/4	4,180	1/4	5,288	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	878	1/2	1,986	1/2	3,094	1/2	4,203	1/2	5,311	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	901	3/4	2,009	3/4	3,118	3/4	4,226	3/4	5,335	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	924	10	2,032	10	3,141	10	4,249	10	5,358	10	10	10	10	10	10	10	10	10	10
1/4	947	1/4	2,055	1/4	3,164	1/4	4,272	1/4	5,381	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	970	1/2	2,078	1/2	3,187	1/2	4,295	1/2	5,404	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	993	3/4	2,101	3/4	3,210	3/4	4,318	3/4	5,427	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,016	11	2,125	11	3,233	11	4,342	11	5,450	11	11	11	11	11	11	11	11	11	11
1/4	1,039	1/4	2,148	1/4	3,256	1/4	4,365	1/4	5,473	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,062	1/2	2,171	1/2	3,279	1/2	4,388	1/2	5,496	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,085	3/4	2,194	3/4	3,302	3/4	4,411	3/4	5,519	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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BARGE "MPX 423"

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: 07/28/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

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 423"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-03"

July 28, 2021

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

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BARGE "MPX 423"

1 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	4,871.21	0	4,530.66	0	4,189.50	0	3,847.05	0	3,504.62	0	3,162.25	0	2,819.84	0	2,477.38
1/4		1/4		1/4	4,864.15	1/4	4,523.56	1/4	4,182.37	1/4	3,839.91	1/4	3,497.49	1/4	3,155.12	1/4	2,812.71	1/4	2,470.24
1/2		1/2		1/2	4,857.09	1/2	4,516.46	1/2	4,175.24	1/2	3,832.78	1/2	3,490.36	1/2	3,147.99	1/2	2,805.57	1/2	2,463.11
3/4		3/4		3/4	4,850.03	3/4	4,509.36	3/4	4,168.10	3/4	3,825.64	3/4	3,483.22	3/4	3,140.85	3/4	2,798.44	3/4	2,455.97
1		1		1	4,842.98	1	4,502.26	1	4,160.97	1	3,818.51	1	3,476.09	1	3,133.72	1	2,791.30	1	2,448.84
1/4		1/4		1/4	4,835.92	1/4	4,495.15	1/4	4,153.83	1/4	3,811.38	1/4	3,468.96	1/4	3,126.59	1/4	2,784.17	1/4	2,441.70
1/2		1/2		1/2	4,828.86	1/2	4,488.05	1/2	4,146.70	1/2	3,804.24	1/2	3,461.82	1/2	3,119.46	1/2	2,777.03	1/2	2,434.57
3/4		3/4		3/4	4,821.81	3/4	4,480.95	3/4	4,139.56	3/4	3,797.11	3/4	3,454.69	3/4	3,112.32	3/4	2,769.90	3/4	2,427.43
2		2		2	4,814.75	2	4,473.85	2	4,132.43	2	3,789.97	2	3,447.56	2	3,105.19	2	2,762.77	2	2,420.30
1/4		1/4		1/4	4,807.65	1/4	4,466.75	1/4	4,125.29	1/4	3,782.84	1/4	3,440.43	1/4	3,098.06	1/4	2,755.63	1/4	2,413.16
1/2		1/2		1/2	4,800.54	1/2	4,459.64	1/2	4,118.16	1/2	3,775.70	1/2	3,433.29	1/2	3,090.92	1/2	2,748.50	1/2	2,406.02
3/4		3/4		3/4	4,793.44	3/4	4,452.54	3/4	4,111.02	3/4	3,768.57	3/4	3,426.16	3/4	3,083.79	3/4	2,741.36	3/4	2,398.89
3		3		3	4,786.34	3	4,445.44	3	4,103.89	3	3,761.43	3	3,419.03	3	3,076.66	3	2,734.23	3	2,391.75
1/4		1/4		1/4	4,779.24	1/4	4,438.34	1/4	4,096.76	1/4	3,754.30	1/4	3,411.90	1/4	3,069.53	1/4	2,727.09	1/4	2,384.62
1/2		1/2		1/2	4,772.14	1/2	4,431.24	1/2	4,089.62	1/2	3,747.17	1/2	3,404.76	1/2	3,062.39	1/2	2,719.96	1/2	2,377.48
3/4		3/4		3/4	4,765.03	3/4	4,424.13	3/4	4,082.49	3/4	3,740.03	3/4	3,397.63	3/4	3,055.26	3/4	2,712.83	3/4	2,370.35
4		4		4	4,757.93	4	4,417.03	4	4,075.35	4	3,732.90	4	3,390.50	4	3,048.13	4	2,705.69	4	2,363.21
1/4		1/4		1/4	4,750.83	1/4	4,409.93	1/4	4,068.22	1/4	3,725.76	1/4	3,383.37	1/4	3,041.00	1/4	2,698.56	1/4	2,356.08
1/2		1/2		1/2	4,743.73	1/2	4,402.83	1/2	4,061.08	1/2	3,718.63	1/2	3,376.23	1/2	3,033.86	1/2	2,691.42	1/2	2,348.94
3/4		3/4		3/4	4,736.63	3/4	4,395.72	3/4	4,053.95	3/4	3,711.49	3/4	3,369.10	3/4	3,026.73	3/4	2,684.29	3/4	2,341.81
5		5		5	4,729.52	5	4,388.62	5	4,046.81	5	3,704.36	5	3,361.97	5	3,019.60	5	2,677.15	5	2,334.67
1/4		1/4		1/4	4,722.42	1/4	4,381.52	1/4	4,039.68	1/4	3,697.22	1/4	3,354.83	1/4	3,012.46	1/4	2,670.02	1/4	2,327.54
1/2		1/2		1/2	4,715.32	1/2	4,374.42	1/2	4,032.55	1/2	3,690.09	1/2	3,347.70	1/2	3,005.33	1/2	2,662.88	1/2	2,320.40
3/4		3/4		3/4	4,708.22	3/4	4,367.32	3/4	4,025.41	3/4	3,682.95	3/4	3,340.57	3/4	2,998.20	3/4	2,655.75	3/4	2,313.27
6		6	5,015.27	6	4,701.11	6	4,360.21	6	4,018.28	6	3,675.82	6	3,333.44	6	2,991.07	6	2,648.62	6	2,306.13
1/4		1/4	5,011.48	1/4	4,694.01	1/4	4,353.11	1/4	4,011.14	1/4	3,668.69	1/4	3,326.30	1/4	2,983.93	1/4	2,641.48	1/4	2,299.00
1/2		1/2	5,007.70	1/2	4,686.91	1/2	4,346.01	1/2	4,004.01	1/2	3,661.55	1/2	3,319.17	1/2	2,976.80	1/2	2,634.35	1/2	2,291.86
3/4		3/4	5,003.91	3/4	4,679.81	3/4	4,338.91	3/4	3,996.87	3/4	3,654.42	3/4	3,312.04	3/4	2,969.66	3/4	2,627.21	3/4	2,284.73
7		7	5,000.12	7	4,672.71	7	4,331.81	7	3,989.74	7	3,647.28	7	3,304.91	7	2,962.53	7	2,620.08	7	2,277.59
1/4		1/4	4,995.15	1/4	4,665.60	1/4	4,324.70	1/4	3,982.60	1/4	3,640.15	1/4	3,297.77	1/4	2,955.39	1/4	2,612.94	1/4	2,270.46
1/2		1/2	4,990.17	1/2	4,658.50	1/2	4,317.60	1/2	3,975.47	1/2	3,633.01	1/2	3,290.64	1/2	2,948.26	1/2	2,605.81	1/2	2,263.32
3/4		3/4	4,985.19	3/4	4,651.40	3/4	4,310.50	3/4	3,968.33	3/4	3,625.88	3/4	3,283.51	3/4	2,941.13	3/4	2,598.67	3/4	2,256.19
8		8	4,980.22	8	4,644.30	8	4,303.40	8	3,961.20	8	3,618.74	8	3,276.37	8	2,933.99	8	2,591.54	8	2,249.05
1/4		1/4	4,974.05	1/4	4,637.20	1/4	4,296.30	1/4	3,954.07	1/4	3,611.61	1/4	3,269.24	1/4	2,926.86	1/4	2,584.40	1/4	2,241.92
1/2		1/2	4,967.89	1/2	4,630.09	1/2	4,289.19	1/2	3,946.93	1/2	3,604.48	1/2	3,262.11	1/2	2,919.72	1/2	2,577.27	1/2	2,234.78
3/4		3/4	4,961.72	3/4	4,622.99	3/4	4,282.09	3/4	3,939.80	3/4	3,597.35	3/4	3,254.98	3/4	2,912.59	3/4	2,570.13	3/4	2,227.65
9		9	4,955.56	9	4,615.89	9	4,274.99	9	3,932.66	9	3,590.21	9	3,247.84	9	2,905.45	9	2,563.00	9	2,220.51
1/4		1/4	4,948.57	1/4	4,608.79	1/4	4,267.89	1/4	3,925.53	1/4	3,583.08	1/4	3,240.71	1/4	2,898.32	1/4	2,555.86	1/4	2,213.38
1/2		1/2	4,941.58	1/2	4,601.69	1/2	4,260.78	1/2	3,918.39	1/2	3,575.95	1/2	3,233.58	1/2	2,891.19	1/2	2,548.73	1/2	2,206.24
3/4		3/4	4,934.59	3/4	4,594.58	3/4	4,253.68	3/4	3,911.26	3/4	3,568.82	3/4	3,226.45	3/4	2,884.05	3/4	2,541.59	3/4	2,199.11
10		10	4,927.60	10	4,587.48	10	4,246.58	10	3,904.12	10	3,561.68	10	3,219.31	10	2,876.92	10	2,534.46	10	2,191.97
1/4		1/4	4,920.56	1/4	4,580.38	1/4	4,239.45	1/4	3,896.99	1/4	3,554.55	1/4	3,212.18	1/4	2,869.78	1/4	2,527.32	1/4	2,184.84
1/2		1/2	4,913.52	1/2	4,573.28	1/2	4,232.31	1/2	3,889.86	1/2	3,547.42	1/2	3,205.05	1/2	2,862.65	1/2	2,520.19	1/2	2,177.70
3/4		3/4	4,906.47	3/4	4,566.17	3/4	4,225.18	3/4	3,882.72	3/4	3,540.28	3/4	3,197.92	3/4	2,855.51	3/4	2,513.05	3/4	2,170.57
11		11	4,899.43	11	4,559.07	11	4,218.04	11	3,875.59	11	3,533.15	11	3,190.78	11	2,848.38	11	2,505.92	11	2,163.43
1/4		1/4	4,892.38	1/4	4,551.97	1/4	4,210.91	1/4	3,868.45	1/4	3,526.02	1/4	3,183.65	1/4	2,841.24	1/4	2,498.78	1/4	2,156.30
1/2		1/2	4,885.32	1/2	4,544.87	1/2	4,203.77	1/2	3,861.32	1/2	3,518.89	1/2	3,176.52	1/2	2,834.11	1/2	2,491.65	1/2	2,149.16
3/4		3/4	4,878.26	3/4	4,537.77	3/4	4,196.64	3/4	3,854.18	3/4	3,511.75	3/4	3,169.38	3/4	2,826.98	3/4	2,484.51	3/4	2,142.03

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "MPX 423"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,134.89	0	1,792.41	0	1,449.92	0	1,107.44	0	767.44	0	425.82	0	115.35	0		0		0	
1/4	2,127.76	1/4	1,785.27	1/4	1,442.79	1/4	1,100.30	1/4	760.34	1/4	418.89	1/4	109.43	1/4	1/4	1/4		1/4	
1/2	2,120.62	1/2	1,778.14	1/2	1,435.65	1/2	1,093.17	1/2	753.24	1/2	411.96	1/2	103.50	1/2	1/2	1/2		1/2	
3/4	2,113.49	3/4	1,771.00	3/4	1,428.52	3/4	1,086.03	3/4	746.14	3/4	405.04	3/4	97.58	3/4	3/4	3/4		3/4	
1	2,106.35	1	1,763.87	1	1,421.38	1	1,078.90	1	739.04	1	398.11	1	91.66	1	1	1		1	
1/4	2,099.22	1/4	1,756.73	1/4	1,414.25	1/4	1,071.80	1/4	731.90	1/4	391.27	1/4	85.82	1/4	1/4	1/4		1/4	
1/2	2,092.08	1/2	1,749.60	1/2	1,407.11	1/2	1,064.69	1/2	724.77	1/2	384.42	1/2	79.99	1/2	1/2	1/2		1/2	
3/4	2,084.95	3/4	1,742.46	3/4	1,399.98	3/4	1,057.59	3/4	717.63	3/4	377.58	3/4	74.16	3/4	3/4	3/4		3/4	
2	2,077.81	2	1,735.33	2	1,392.84	2	1,050.49	2	710.50	2	370.74	2	68.33	2	2	2		2	
1/4	2,070.68	1/4	1,728.19	1/4	1,385.71	1/4	1,043.41	1/4	703.37	1/4	363.98	1/4	62.60	1/4	1/4	1/4		1/4	
1/2	2,063.54	1/2	1,721.06	1/2	1,378.57	1/2	1,036.33	1/2	696.23	1/2	357.22	1/2	56.88	1/2	1/2	1/2		1/2	
3/4	2,056.41	3/4	1,713.92	3/4	1,371.44	3/4	1,029.24	3/4	689.10	3/4	350.46	3/4	51.16	3/4	3/4	3/4		3/4	
3	2,049.27	3	1,706.79	3	1,364.30	3	1,022.16	3	681.96	3	343.70	3	45.43	3	3	3		3	
1/4	2,042.13	1/4	1,699.65	1/4	1,357.17	1/4	1,015.09	1/4	674.83	1/4	337.02	1/4	40.65	1/4	1/4	1/4		1/4	
1/2	2,035.00	1/2	1,692.51	1/2	1,350.03	1/2	1,008.01	1/2	667.69	1/2	330.35	1/2	35.87	1/2	1/2	1/2		1/2	
3/4	2,027.86	3/4	1,685.38	3/4	1,342.90	3/4	1,000.94	3/4	660.56	3/4	323.67	3/4	31.09	3/4	3/4	3/4		3/4	
4	2,020.73	4	1,678.24	4	1,335.76	4	993.86	4	653.42	4	316.99	4	26.30	4	4	4		4	
1/4	2,013.59	1/4	1,671.11	1/4	1,328.62	1/4	986.79	1/4	646.29	1/4	310.40	1/4	23.39	1/4	1/4	1/4		1/4	
1/2	2,006.46	1/2	1,663.97	1/2	1,321.49	1/2	979.71	1/2	639.15	1/2	303.81	1/2	20.47	1/2	1/2	1/2		1/2	
3/4	1,999.32	3/4	1,656.84	3/4	1,314.35	3/4	972.64	3/4	632.02	3/4	297.21	3/4	17.55	3/4	3/4	3/4		3/4	
5	1,992.19	5	1,649.70	5	1,307.22	5	965.56	5	624.88	5	290.62	5	14.64	5	5	5		5	
1/4	1,985.05	1/4	1,642.57	1/4	1,300.08	1/4	958.49	1/4	617.75	1/4	284.11	1/4		1/4	1/4	1/4		1/4	
1/2	1,977.92	1/2	1,635.43	1/2	1,292.95	1/2	951.41	1/2	610.61	1/2	277.60	1/2		1/2	1/2	1/2		1/2	
3/4	1,970.78	3/4	1,628.30	3/4	1,285.81	3/4	944.34	3/4	603.48	3/4	271.09	3/4		3/4	3/4	3/4		3/4	
6	1,963.65	6	1,621.16	6	1,278.68	6	937.26	6	596.34	6	264.58	6		6	6	6		6	
1/4	1,956.51	1/4	1,614.03	1/4	1,271.54	1/4	930.19	1/4	589.21	1/4	258.16	1/4		1/4	1/4	1/4		1/4	
1/2	1,949.38	1/2	1,606.89	1/2	1,264.41	1/2	923.12	1/2	582.07	1/2	251.73	1/2		1/2	1/2	1/2		1/2	
3/4	1,942.24	3/4	1,599.76	3/4	1,257.27	3/4	916.04	3/4	574.94	3/4	245.30	3/4		3/4	3/4	3/4		3/4	
7	1,935.11	7	1,592.62	7	1,250.14	7	908.97	7	567.80	7	238.88	7		7	7	7		7	
1/4	1,927.97	1/4	1,585.49	1/4	1,243.00	1/4	901.89	1/4	560.67	1/4	232.53	1/4		1/4	1/4	1/4		1/4	
1/2	1,920.84	1/2	1,578.35	1/2	1,235.87	1/2	894.82	1/2	553.53	1/2	226.19	1/2		1/2	1/2	1/2		1/2	
3/4	1,913.70	3/4	1,571.22	3/4	1,228.73	3/4	887.74	3/4	546.40	3/4	219.85	3/4		3/4	3/4	3/4		3/4	
8	1,906.57	8	1,564.08	8	1,221.60	8	880.67	8	539.26	8	213.51	8		8	8	8		8	
1/4	1,899.43	1/4	1,556.95	1/4	1,214.46	1/4	873.59	1/4	532.13	1/4	207.25	1/4		1/4	1/4	1/4		1/4	
1/2	1,892.30	1/2	1,549.81	1/2	1,207.33	1/2	866.52	1/2	525.00	1/2	200.99	1/2		1/2	1/2	1/2		1/2	
3/4	1,885.16	3/4	1,542.68	3/4	1,200.19	3/4	859.44	3/4	517.86	3/4	194.73	3/4		3/4	3/4	3/4		3/4	
9	1,878.03	9	1,535.54	9	1,193.06	9	852.37	9	510.73	9	188.47	9		9	9	9		9	
1/4	1,870.89	1/4	1,528.41	1/4	1,185.92	1/4	845.29	1/4	503.59	1/4	182.29	1/4		1/4	1/4	1/4		1/4	
1/2	1,863.76	1/2	1,521.27	1/2	1,178.79	1/2	838.22	1/2	496.46	1/2	176.11	1/2		1/2	1/2	1/2		1/2	
3/4	1,856.62	3/4	1,514.14	3/4	1,171.65	3/4	831.15	3/4	489.32	3/4	169.94	3/4		3/4	3/4	3/4		3/4	
10	1,849.49	10	1,507.00	10	1,164.52	10	824.07	10	482.19	10	163.76	10		10	10	10		10	
1/4	1,842.35	1/4	1,499.87	1/4	1,157.38	1/4	817.00	1/4	475.10	1/4	157.67	1/4		1/4	1/4	1/4		1/4	
1/2	1,835.22	1/2	1,492.73	1/2	1,150.25	1/2	809.92	1/2	468.01	1/2	151.58	1/2		1/2	1/2	1/2		1/2	
3/4	1,828.08	3/4	1,485.60	3/4	1,143.11	3/4	802.85	3/4	460.92	3/4	145.48	3/4		3/4	3/4	3/4		3/4	
11	1,820.95	11	1,478.46	11	1,135.98	11	795.77	11	453.83	11	139.39	11		11	11	11		11	
1/4	1,813.81	1/4	1,471.33	1/4	1,128.84	1/4	788.69	1/4	446.83	1/4	133.38	1/4		1/4	1/4	1/4		1/4	
1/2	1,806.68	1/2	1,464.19	1/2	1,121.71	1/2	781.61	1/2	439.82	1/2	127.37	1/2		1/2	1/2	1/2		1/2	
3/4	1,799.54	3/4	1,457.06	3/4	1,114.57	3/4	774.53	3/4	432.82	3/4	121.36	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

1 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,874.19	0	4,533.61	0	4,192.40	0	3,849.89	0	3,507.42	0	3,165.00	0	2,822.54	0	2,480.02
1/4		1/4		1/4	4,867.13	1/4	4,526.50	1/4	4,185.27	1/4	3,842.76	1/4	3,500.28	1/4	3,157.87	1/4	2,815.41	1/4	2,472.89
1/2		1/2		1/2	4,860.07	1/2	4,519.40	1/2	4,178.13	1/2	3,835.62	1/2	3,493.15	1/2	3,150.74	1/2	2,808.27	1/2	2,465.75
3/4		3/4		3/4	4,853.02	3/4	4,512.30	3/4	4,171.00	3/4	3,828.49	3/4	3,486.02	3/4	3,143.60	3/4	2,801.13	3/4	2,458.61
1		1		1	4,845.96	1	4,505.20	1	4,163.86	1	3,821.35	1	3,478.88	1	3,136.47	1	2,794.00	1	2,451.48
1/4		1/4		1/4	4,838.90	1/4	4,498.09	1/4	4,156.72	1/4	3,814.22	1/4	3,471.75	1/4	3,129.34	1/4	2,786.86	1/4	2,444.34
1/2		1/2		1/2	4,831.84	1/2	4,490.99	1/2	4,149.59	1/2	3,807.08	1/2	3,464.62	1/2	3,122.20	1/2	2,779.73	1/2	2,437.21
3/4		3/4		3/4	4,824.79	3/4	4,483.89	3/4	4,142.45	3/4	3,799.94	3/4	3,457.48	3/4	3,115.07	3/4	2,772.59	3/4	2,430.07
2		2		2	4,817.73	2	4,476.78	2	4,135.32	2	3,792.81	2	3,450.35	2	3,107.94	2	2,765.46	2	2,422.93
1/4		1/4		1/4	4,810.62	1/4	4,469.68	1/4	4,128.18	1/4	3,785.67	1/4	3,443.21	1/4	3,100.80	1/4	2,758.32	1/4	2,415.80
1/2		1/2		1/2	4,803.52	1/2	4,462.58	1/2	4,121.05	1/2	3,778.54	1/2	3,436.08	1/2	3,093.67	1/2	2,751.18	1/2	2,408.66
3/4		3/4		3/4	4,796.42	3/4	4,455.47	3/4	4,113.91	3/4	3,771.40	3/4	3,428.95	3/4	3,086.53	3/4	2,744.05	3/4	2,401.53
3		3		3	4,789.32	3	4,448.37	3	4,106.78	3	3,764.27	3	3,421.81	3	3,079.40	3	2,736.91	3	2,394.39
1/4		1/4		1/4	4,782.21	1/4	4,441.27	1/4	4,099.64	1/4	3,757.13	1/4	3,414.68	1/4	3,072.27	1/4	2,729.78	1/4	2,387.25
1/2		1/2		1/2	4,775.11	1/2	4,434.17	1/2	4,092.50	1/2	3,750.00	1/2	3,407.55	1/2	3,065.13	1/2	2,722.64	1/2	2,380.12
3/4		3/4		3/4	4,768.01	3/4	4,427.06	3/4	4,085.37	3/4	3,742.86	3/4	3,400.41	3/4	3,058.00	3/4	2,715.51	3/4	2,372.98
4		4		4	4,760.90	4	4,419.96	4	4,078.23	4	3,735.72	4	3,393.28	4	3,050.87	4	2,708.37	4	2,365.85
1/4		1/4		1/4	4,753.80	1/4	4,412.86	1/4	4,071.10	1/4	3,728.59	1/4	3,386.15	1/4	3,043.73	1/4	2,701.23	1/4	2,358.71
1/2		1/2		1/2	4,746.70	1/2	4,405.75	1/2	4,063.96	1/2	3,721.45	1/2	3,379.01	1/2	3,036.60	1/2	2,694.10	1/2	2,351.57
3/4		3/4		3/4	4,739.59	3/4	4,398.65	3/4	4,056.83	3/4	3,714.32	3/4	3,371.88	3/4	3,029.47	3/4	2,686.96	3/4	2,344.44
5		5		5	4,732.49	5	4,391.55	5	4,049.69	5	3,707.18	5	3,364.75	5	3,022.33	5	2,679.83	5	2,337.30
1/4		1/4		1/4	4,725.39	1/4	4,384.44	1/4	4,042.56	1/4	3,700.05	1/4	3,357.61	1/4	3,015.20	1/4	2,672.69	1/4	2,330.17
1/2		1/2		1/2	4,718.29	1/2	4,377.34	1/2	4,035.42	1/2	3,692.91	1/2	3,350.48	1/2	3,008.07	1/2	2,665.56	1/2	2,323.03
3/4		3/4		3/4	4,711.18	3/4	4,370.24	3/4	4,028.28	3/4	3,685.78	3/4	3,343.34	3/4	3,000.93	3/4	2,658.42	3/4	2,315.89
6		6	5,018.27	6	4,704.08	6	4,363.14	6	4,021.15	6	3,678.64	6	3,336.21	6	2,993.80	6	2,651.28	6	2,308.76
1/4		1/4	5,014.48	1/4	4,696.98	1/4	4,356.03	1/4	4,014.01	1/4	3,671.50	1/4	3,329.08	1/4	2,986.66	1/4	2,644.15	1/4	2,301.62
1/2		1/2	5,010.70	1/2	4,689.87	1/2	4,348.93	1/2	4,006.88	1/2	3,664.37	1/2	3,321.94	1/2	2,979.53	1/2	2,637.01	1/2	2,294.49
3/4		3/4	5,006.91	3/4	4,682.77	3/4	4,341.83	3/4	3,999.74	3/4	3,657.23	3/4	3,314.81	3/4	2,972.39	3/4	2,629.88	3/4	2,287.35
7		7	5,003.12	7	4,675.67	7	4,334.72	7	3,992.61	7	3,650.10	7	3,307.68	7	2,965.26	7	2,622.74	7	2,280.21
1/4		1/4	4,998.14	1/4	4,668.56	1/4	4,327.62	1/4	3,985.47	1/4	3,642.96	1/4	3,300.54	1/4	2,958.12	1/4	2,615.61	1/4	2,273.08
1/2		1/2	4,993.17	1/2	4,661.46	1/2	4,320.52	1/2	3,978.33	1/2	3,635.83	1/2	3,293.41	1/2	2,950.98	1/2	2,608.47	1/2	2,265.94
3/4		3/4	4,988.19	3/4	4,654.36	3/4	4,313.41	3/4	3,971.20	3/4	3,628.69	3/4	3,286.28	3/4	2,943.85	3/4	2,601.33	3/4	2,258.81
8		8	4,983.21	8	4,647.26	8	4,306.31	8	3,964.06	8	3,621.55	8	3,279.14	8	2,936.71	8	2,594.20	8	2,251.67
1/4		1/4	4,977.05	1/4	4,640.15	1/4	4,299.21	1/4	3,956.93	1/4	3,614.42	1/4	3,272.01	1/4	2,929.58	1/4	2,587.06	1/4	2,244.53
1/2		1/2	4,970.88	1/2	4,633.05	1/2	4,292.11	1/2	3,949.79	1/2	3,607.29	1/2	3,264.87	1/2	2,922.44	1/2	2,579.93	1/2	2,237.40
3/4		3/4	4,964.71	3/4	4,625.95	3/4	4,285.00	3/4	3,942.66	3/4	3,600.15	3/4	3,257.74	3/4	2,915.31	3/4	2,572.79	3/4	2,230.26
9		9	4,958.55	9	4,618.84	9	4,277.90	9	3,935.52	9	3,593.02	9	3,250.61	9	2,908.17	9	2,565.65	9	2,223.13
1/4		1/4	4,951.56	1/4	4,611.74	1/4	4,270.80	1/4	3,928.39	1/4	3,585.89	1/4	3,243.47	1/4	2,901.03	1/4	2,558.52	1/4	2,215.99
1/2		1/2	4,944.57	1/2	4,604.64	1/2	4,263.69	1/2	3,921.25	1/2	3,578.75	1/2	3,236.34	1/2	2,893.90	1/2	2,551.38	1/2	2,208.85
3/4		3/4	4,937.58	3/4	4,597.53	3/4	4,256.59	3/4	3,914.11	3/4	3,571.62	3/4	3,229.21	3/4	2,886.76	3/4	2,544.25	3/4	2,201.72
10		10	4,930.59	10	4,590.43	10	4,249.49	10	3,906.98	10	3,564.49	10	3,222.07	10	2,879.63	10	2,537.11	10	2,194.58
1/4		1/4	4,923.55	1/4	4,583.33	1/4	4,242.35	1/4	3,899.84	1/4	3,557.35	1/4	3,214.94	1/4	2,872.49	1/4	2,529.97	1/4	2,187.45
1/2		1/2	4,916.50	1/2	4,576.23	1/2	4,235.22	1/2	3,892.71	1/2	3,550.22	1/2	3,207.81	1/2	2,865.36	1/2	2,522.84	1/2	2,180.31
3/4		3/4	4,909.46	3/4	4,569.12	3/4	4,228.08	3/4	3,885.57	3/4	3,543.09	3/4	3,200.67	3/4	2,858.22	3/4	2,515.70	3/4	2,173.17
11		11	4,902.42	11	4,562.02	11	4,220.95	11	3,878.44	11	3,535.95	11	3,193.54	11	2,851.08	11	2,508.57	11	2,166.04
1/4		1/4	4,895.36	1/4	4,554.92	1/4	4,213.81	1/4	3,871.30	1/4	3,528.82	1/4	3,186.41	1/4	2,843.95	1/4	2,501.43	1/4	2,158.90
1/2		1/2	4,888.30	1/2	4,547.81	1/2	4,206.67	1/2	3,864.17	1/2	3,521.68	1/2	3,179.27	1/2	2,836.81	1/2	2,494.29	1/2	2,151.77
3/4		3/4	4,881.25	3/4	4,540.71	3/4	4,199.54	3/4	3,857.03	3/4	3,514.55	3/4	3,172.14	3/4	2,829.68	3/4	2,487.16	3/4	2,144.63

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "MPX 423"

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	2,137.49	0	1,794.97	0	1,452.44	0	1,109.91	0	767.67	0	425.82	0	115.34	0		0		0	
1/4	2,130.36	1/4	1,787.83	1/4	1,445.30	1/4	1,102.77	1/4	760.53	1/4	418.89	1/4	109.42	1/4	1/4	1/4		1/4	
1/2	2,123.22	1/2	1,780.69	1/2	1,438.17	1/2	1,095.64	1/2	753.40	1/2	411.97	1/2	103.50	1/2	1/2	1/2		1/2	
3/4	2,116.09	3/4	1,773.56	3/4	1,431.03	3/4	1,088.50	3/4	746.26	3/4	405.04	3/4	97.57	3/4	3/4	3/4		3/4	
1	2,108.95	1	1,766.42	1	1,423.89	1	1,081.37	1	739.13	1	398.11	1	91.65	1	1	1		1	
1/4	2,101.81	1/4	1,759.29	1/4	1,416.76	1/4	1,074.23	1/4	731.99	1/4	391.27	1/4	85.81	1/4	1/4	1/4		1/4	
1/2	2,094.68	1/2	1,752.15	1/2	1,409.62	1/2	1,067.09	1/2	724.85	1/2	384.43	1/2	79.98	1/2	1/2	1/2		1/2	
3/4	2,087.54	3/4	1,745.01	3/4	1,402.49	3/4	1,059.96	3/4	717.72	3/4	377.58	3/4	74.15	3/4	3/4	3/4		3/4	
2	2,080.41	2	1,737.88	2	1,395.35	2	1,052.82	2	710.58	2	370.74	2	68.32	2	2	2		2	
1/4	2,073.27	1/4	1,730.74	1/4	1,388.21	1/4	1,045.69	1/4	703.45	1/4	363.98	1/4	62.60	1/4	1/4	1/4		1/4	
1/2	2,066.13	1/2	1,723.61	1/2	1,381.08	1/2	1,038.55	1/2	696.31	1/2	357.22	1/2	56.87	1/2	1/2	1/2		1/2	
3/4	2,059.00	3/4	1,716.47	3/4	1,373.94	3/4	1,031.41	3/4	689.18	3/4	350.46	3/4	51.15	3/4	3/4	3/4		3/4	
3	2,051.86	3	1,709.33	3	1,366.81	3	1,024.28	3	682.04	3	343.70	3	45.43	3	3	3		3	
1/4	2,044.73	1/4	1,702.20	1/4	1,359.67	1/4	1,017.15	1/4	674.90	1/4	337.02	1/4	40.65	1/4	1/4	1/4		1/4	
1/2	2,037.59	1/2	1,695.06	1/2	1,352.53	1/2	1,010.02	1/2	667.77	1/2	330.34	1/2	35.86	1/2	1/2	1/2		1/2	
3/4	2,030.45	3/4	1,687.93	3/4	1,345.40	3/4	1,002.90	3/4	660.63	3/4	323.67	3/4	31.08	3/4	3/4	3/4		3/4	
4	2,023.32	4	1,680.79	4	1,338.26	4	995.77	4	653.50	4	316.99	4	26.30	4	4	4		4	
1/4	2,016.18	1/4	1,673.65	1/4	1,331.13	1/4	988.64	1/4	646.36	1/4	310.40	1/4	23.38	1/4	1/4	1/4		1/4	
1/2	2,009.05	1/2	1,666.52	1/2	1,323.99	1/2	981.52	1/2	639.23	1/2	303.80	1/2	20.47	1/2	1/2	1/2		1/2	
3/4	2,001.91	3/4	1,659.38	3/4	1,316.85	3/4	974.39	3/4	632.09	3/4	297.21	3/4	17.55	3/4	3/4	3/4		3/4	
5	1,994.77	5	1,652.25	5	1,309.72	5	967.26	5	624.95	5	290.62	5	14.64	5	5	5		5	
1/4	1,987.64	1/4	1,645.11	1/4	1,302.58	1/4	960.13	1/4	617.82	1/4	284.11	1/4		1/4	1/4	1/4		1/4	
1/2	1,980.50	1/2	1,637.97	1/2	1,295.45	1/2	953.01	1/2	610.68	1/2	277.60	1/2		1/2	1/2	1/2		1/2	
3/4	1,973.37	3/4	1,630.84	3/4	1,288.31	3/4	945.88	3/4	603.55	3/4	271.09	3/4		3/4	3/4	3/4		3/4	
6	1,966.23	6	1,623.70	6	1,281.17	6	938.75	6	596.41	6	264.58	6	6	6	6	6		6	
1/4	1,959.09	1/4	1,616.57	1/4	1,274.04	1/4	931.63	1/4	589.28	1/4	258.15	1/4		1/4	1/4	1/4		1/4	
1/2	1,951.96	1/2	1,609.43	1/2	1,266.90	1/2	924.50	1/2	582.14	1/2	251.72	1/2		1/2	1/2	1/2		1/2	
3/4	1,944.82	3/4	1,602.29	3/4	1,259.77	3/4	917.37	3/4	575.00	3/4	245.30	3/4		3/4	3/4	3/4		3/4	
7	1,937.69	7	1,595.16	7	1,252.63	7	910.25	7	567.87	7	238.87	7	7	7	7	7		7	
1/4	1,930.55	1/4	1,588.02	1/4	1,245.49	1/4	903.12	1/4	560.73	1/4	232.53	1/4		1/4	1/4	1/4		1/4	
1/2	1,923.41	1/2	1,580.89	1/2	1,238.36	1/2	895.99	1/2	553.60	1/2	226.18	1/2		1/2	1/2	1/2		1/2	
3/4	1,916.28	3/4	1,573.75	3/4	1,231.22	3/4	888.86	3/4	546.46	3/4	219.84	3/4		3/4	3/4	3/4		3/4	
8	1,909.14	8	1,566.61	8	1,224.09	8	881.74	8	539.33	8	213.50	8	8	8	8	8		8	
1/4	1,902.01	1/4	1,559.48	1/4	1,216.95	1/4	874.61	1/4	532.19	1/4	207.24	1/4		1/4	1/4	1/4		1/4	
1/2	1,894.87	1/2	1,552.34	1/2	1,209.81	1/2	867.48	1/2	525.05	1/2	200.98	1/2		1/2	1/2	1/2		1/2	
3/4	1,887.73	3/4	1,545.21	3/4	1,202.68	3/4	860.36	3/4	517.92	3/4	194.72	3/4		3/4	3/4	3/4		3/4	
9	1,880.60	9	1,538.07	9	1,195.54	9	853.23	9	510.78	9	188.46	9	9	9	9	9		9	
1/4	1,873.46	1/4	1,530.93	1/4	1,188.41	1/4	846.10	1/4	503.65	1/4	182.28	1/4		1/4	1/4	1/4		1/4	
1/2	1,866.33	1/2	1,523.80	1/2	1,181.27	1/2	838.97	1/2	496.51	1/2	176.11	1/2		1/2	1/2	1/2		1/2	
3/4	1,859.19	3/4	1,516.66	3/4	1,174.13	3/4	831.85	3/4	489.38	3/4	169.93	3/4		3/4	3/4	3/4		3/4	
10	1,852.05	10	1,509.53	10	1,167.00	10	824.72	10	482.24	10	163.75	10	10	10	10	10		10	
1/4	1,844.92	1/4	1,502.39	1/4	1,159.86	1/4	817.59	1/4	475.15	1/4	157.66	1/4		1/4	1/4	1/4		1/4	
1/2	1,837.78	1/2	1,495.25	1/2	1,152.73	1/2	810.47	1/2	468.05	1/2	151.57	1/2		1/2	1/2	1/2		1/2	
3/4	1,830.65	3/4	1,488.12	3/4	1,145.59	3/4	803.34	3/4	460.96	3/4	145.48	3/4		3/4	3/4	3/4		3/4	
11	1,823.51	11	1,480.98	11	1,138.45	11	796.21	11	453.86	11	139.38	11	11	11	11	11		11	
1/4	1,816.37	1/4	1,473.85	1/4	1,131.32	1/4	789.08	1/4	446.85	1/4	133.37	1/4		1/4	1/4	1/4		1/4	
1/2	1,809.24	1/2	1,466.71	1/2	1,124.18	1/2	781.94	1/2	439.84	1/2	127.36	1/2		1/2	1/2	1/2		1/2	
3/4	1,802.10	3/4	1,459.57	3/4	1,117.05	3/4	774.80	3/4	432.83	3/4	121.35	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

2 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,933.19	0	4,591.77	0	4,249.73	0	3,906.38	0	3,563.04	0	3,219.69	0	2,876.29	0	2,532.84
1/4		1/4		1/4	4,926.11	1/4	4,584.65	1/4	4,242.58	1/4	3,899.23	1/4	3,555.88	1/4	3,212.53	1/4	2,869.13	1/4	2,525.69
1/2		1/2		1/2	4,919.03	1/2	4,577.53	1/2	4,235.43	1/2	3,892.08	1/2	3,548.73	1/2	3,205.38	1/2	2,861.98	1/2	2,518.53
3/4		3/4		3/4	4,911.96	3/4	4,570.41	3/4	4,228.27	3/4	3,884.92	3/4	3,541.58	3/4	3,198.23	3/4	2,854.82	3/4	2,511.38
1		1		1	4,904.88	1	4,563.29	1	4,221.12	1	3,877.77	1	3,534.42	1	3,191.07	1	2,847.67	1	2,504.22
1/4		1/4		1/4	4,897.81	1/4	4,556.17	1/4	4,213.97	1/4	3,870.62	1/4	3,527.27	1/4	3,183.92	1/4	2,840.51	1/4	2,497.07
1/2		1/2		1/2	4,890.73	1/2	4,549.05	1/2	4,206.81	1/2	3,863.47	1/2	3,520.12	1/2	3,176.77	1/2	2,833.36	1/2	2,489.91
3/4		3/4		3/4	4,883.66	3/4	4,541.93	3/4	4,199.66	3/4	3,856.31	3/4	3,512.96	3/4	3,169.61	3/4	2,826.20	3/4	2,482.76
2		2		2	4,876.58	2	4,534.81	2	4,192.51	2	3,849.16	2	3,505.81	2	3,162.46	2	2,819.05	2	2,475.60
1/4		1/4		1/4	4,869.46	1/4	4,527.69	1/4	4,185.35	1/4	3,842.01	1/4	3,498.66	1/4	3,155.31	1/4	2,811.89	1/4	2,468.45
1/2		1/2		1/2	4,862.34	1/2	4,520.57	1/2	4,178.20	1/2	3,834.85	1/2	3,491.50	1/2	3,148.16	1/2	2,804.74	1/2	2,461.29
3/4		3/4		3/4	4,855.22	3/4	4,513.45	3/4	4,171.05	3/4	3,827.70	3/4	3,484.35	3/4	3,141.00	3/4	2,797.58	3/4	2,454.14
3		3		3	4,848.10	3	4,506.33	3	4,163.90	3	3,820.55	3	3,477.20	3	3,133.85	3	2,790.43	3	2,446.98
1/4		1/4		1/4	4,840.98	1/4	4,499.21	1/4	4,156.74	1/4	3,813.39	1/4	3,470.04	1/4	3,126.70	1/4	2,783.27	1/4	2,439.83
1/2		1/2		1/2	4,833.86	1/2	4,492.09	1/2	4,149.59	1/2	3,806.24	1/2	3,462.89	1/2	3,119.54	1/2	2,776.12	1/2	2,432.67
3/4		3/4		3/4	4,826.74	3/4	4,484.97	3/4	4,142.44	3/4	3,799.09	3/4	3,455.74	3/4	3,112.39	3/4	2,768.96	3/4	2,425.52
4		4		4	4,819.62	4	4,477.84	4	4,135.28	4	3,791.93	4	3,448.59	4	3,105.24	4	2,761.81	4	2,418.36
1/4		1/4		1/4	4,812.50	1/4	4,470.72	1/4	4,128.13	1/4	3,784.78	1/4	3,441.43	1/4	3,098.08	1/4	2,754.65	1/4	2,411.21
1/2		1/2		1/2	4,805.38	1/2	4,463.60	1/2	4,120.98	1/2	3,777.63	1/2	3,434.28	1/2	3,090.93	1/2	2,747.50	1/2	2,404.05
3/4		3/4		3/4	4,798.26	3/4	4,456.48	3/4	4,113.82	3/4	3,770.48	3/4	3,427.13	3/4	3,083.78	3/4	2,740.34	3/4	2,396.90
5		5		5	4,791.14	5	4,449.36	5	4,106.67	5	3,763.32	5	3,419.97	5	3,076.62	5	2,733.19	5	2,389.74
1/4		1/4		1/4	4,784.02	1/4	4,442.24	1/4	4,099.52	1/4	3,756.17	1/4	3,412.82	1/4	3,069.47	1/4	2,726.03	1/4	2,382.59
1/2		1/2		1/2	4,776.90	1/2	4,435.12	1/2	4,092.36	1/2	3,749.02	1/2	3,405.67	1/2	3,062.32	1/2	2,718.88	1/2	2,375.43
3/4		3/4		3/4	4,769.78	3/4	4,428.00	3/4	4,085.21	3/4	3,741.86	3/4	3,398.51	3/4	3,055.17	3/4	2,711.72	3/4	2,368.28
6		6	5,077.61	6	4,762.66	6	4,420.88	6	4,078.06	6	3,734.71	6	3,391.36	6	3,048.01	6	2,704.57	6	2,361.12
1/4		1/4	5,073.81	1/4	4,755.54	1/4	4,413.76	1/4	4,070.91	1/4	3,727.56	1/4	3,384.21	1/4	3,040.86	1/4	2,697.41	1/4	2,353.97
1/2		1/2	5,070.02	1/2	4,748.42	1/2	4,406.64	1/2	4,063.75	1/2	3,720.40	1/2	3,377.05	1/2	3,033.70	1/2	2,690.26	1/2	2,346.81
3/4		3/4	5,066.22	3/4	4,741.30	3/4	4,399.52	3/4	4,056.60	3/4	3,713.25	3/4	3,369.90	3/4	3,026.55	3/4	2,683.10	3/4	2,339.66
7		7	5,062.43	7	4,734.18	7	4,392.40	7	4,049.45	7	3,706.10	7	3,362.75	7	3,019.39	7	2,675.95	7	2,332.50
1/4		1/4	5,057.44	1/4	4,727.06	1/4	4,385.28	1/4	4,042.29	1/4	3,698.94	1/4	3,355.60	1/4	3,012.24	1/4	2,668.79	1/4	2,325.35
1/2		1/2	5,052.45	1/2	4,719.94	1/2	4,378.16	1/2	4,035.14	1/2	3,691.79	1/2	3,348.44	1/2	3,005.08	1/2	2,661.64	1/2	2,318.19
3/4		3/4	5,047.46	3/4	4,712.81	3/4	4,371.04	3/4	4,027.99	3/4	3,684.64	3/4	3,341.29	3/4	2,997.93	3/4	2,654.48	3/4	2,311.04
8		8	5,042.47	8	4,705.69	8	4,363.92	8	4,020.83	8	3,677.48	8	3,334.14	8	2,990.77	8	2,647.33	8	2,303.88
1/4		1/4	5,036.29	1/4	4,698.57	1/4	4,356.80	1/4	4,013.68	1/4	3,670.33	1/4	3,326.98	1/4	2,983.62	1/4	2,640.17	1/4	2,296.73
1/2		1/2	5,030.11	1/2	4,691.45	1/2	4,349.68	1/2	4,006.53	1/2	3,663.18	1/2	3,319.83	1/2	2,976.46	1/2	2,633.02	1/2	2,289.57
3/4		3/4	5,023.93	3/4	4,684.33	3/4	4,342.56	3/4	3,999.37	3/4	3,656.03	3/4	3,312.68	3/4	2,969.31	3/4	2,625.86	3/4	2,282.42
9		9	5,017.75	9	4,677.21	9	4,335.44	9	3,992.22	9	3,648.87	9	3,305.52	9	2,962.15	9	2,618.71	9	2,275.26
1/4		1/4	5,010.74	1/4	4,670.09	1/4	4,328.32	1/4	3,985.07	1/4	3,641.72	1/4	3,298.37	1/4	2,955.00	1/4	2,611.55	1/4	2,268.11
1/2		1/2	5,003.73	1/2	4,662.97	1/2	4,321.20	1/2	3,977.92	1/2	3,634.57	1/2	3,291.22	1/2	2,947.84	1/2	2,604.40	1/2	2,260.95
3/4		3/4	4,996.73	3/4	4,655.85	3/4	4,314.08	3/4	3,970.76	3/4	3,627.41	3/4	3,284.06	3/4	2,940.69	3/4	2,597.24	3/4	2,253.80
10		10	4,989.72	10	4,648.73	10	4,306.96	10	3,963.61	10	3,620.26	10	3,276.91	10	2,933.53	10	2,590.09	10	2,246.64
1/4		1/4	4,982.66	1/4	4,641.61	1/4	4,299.80	1/4	3,956.46	1/4	3,613.11	1/4	3,269.76	1/4	2,926.38	1/4	2,582.93	1/4	2,239.49
1/2		1/2	4,975.60	1/2	4,634.49	1/2	4,292.65	1/2	3,949.30	1/2	3,605.95	1/2	3,262.61	1/2	2,919.22	1/2	2,575.78	1/2	2,232.33
3/4		3/4	4,968.54	3/4	4,627.37	3/4	4,285.50	3/4	3,942.15	3/4	3,598.80	3/4	3,255.45	3/4	2,912.07	3/4	2,568.62	3/4	2,225.18
11		11	4,961.48	11	4,620.25	11	4,278.35	11	3,935.00	11	3,591.65	11	3,248.30	11	2,904.91	11	2,561.47	11	2,218.02
1/4		1/4	4,954.40	1/4	4,613.13	1/4	4,271.19	1/4	3,927.84	1/4	3,584.49	1/4	3,241.15	1/4	2,897.75	1/4	2,554.31	1/4	2,210.87
1/2		1/2	4,947.33	1/2	4,606.01	1/2	4,264.04	1/2	3,920.69	1/2	3,577.34	1/2	3,233.99	1/2	2,890.60	1/2	2,547.16	1/2	2,203.71
3/4		3/4	4,940.26	3/4	4,598.89	3/4	4,256.89	3/4	3,913.54	3/4	3,570.19	3/4	3,226.84	3/4	2,883.44	3/4	2,540.00	3/4	2,196.56

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 423"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,189.40	0	1,845.96	0	1,502.51	0	1,159.07	0	829.00	0	486.69	0	143.26	0		0		0	
1/4	2,182.24	1/4	1,838.80	1/4	1,495.36	1/4	1,151.91	1/4	822.13	1/4	479.54	1/4	136.11	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,175.09	1/2	1,831.65	1/2	1,488.20	1/2	1,144.76	1/2	815.25	1/2	472.38	1/2	128.96	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,167.93	3/4	1,824.49	3/4	1,481.05	3/4	1,137.60	3/4	808.38	3/4	465.23	3/4	121.80	3/4	3/4	3/4	3/4	3/4	3/4
1	2,160.78	1	1,817.33	1	1,473.89	1	1,130.45	1	801.50	1	458.07	1	114.65	1	1	1	1	1	1
1/4	2,153.62	1/4	1,810.18	1/4	1,466.73	1/4	1,123.57	1/4	794.35	1/4	450.92	1/4	107.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,146.47	1/2	1,803.02	1/2	1,459.58	1/2	1,116.70	1/2	787.20	1/2	443.76	1/2	100.36	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,139.31	3/4	1,795.87	3/4	1,452.42	3/4	1,109.83	3/4	780.04	3/4	436.61	3/4	93.22	3/4	3/4	3/4	3/4	3/4	3/4
2	2,132.16	2	1,788.71	2	1,445.27	2	1,102.95	2	772.89	2	429.46	2	86.07	2	2	2	2	2	2
1/4	2,125.00	1/4	1,781.56	1/4	1,438.11	1/4	1,096.10	1/4	765.73	1/4	422.30	1/4	78.95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,117.85	1/2	1,774.40	1/2	1,430.96	1/2	1,089.24	1/2	758.58	1/2	415.15	1/2	71.83	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,110.69	3/4	1,767.25	3/4	1,423.80	3/4	1,082.39	3/4	751.42	3/4	407.99	3/4	64.72	3/4	3/4	3/4	3/4	3/4	3/4
3	2,103.54	3	1,760.09	3	1,416.65	3	1,075.53	3	744.27	3	400.84	3	57.60	3	3	3	3	3	3
1/4	2,096.38	1/4	1,752.94	1/4	1,409.49	1/4	1,068.68	1/4	737.11	1/4	393.68	1/4	51.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,089.23	1/2	1,745.78	1/2	1,402.34	1/2	1,061.84	1/2	729.96	1/2	386.53	1/2	45.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,082.07	3/4	1,738.63	3/4	1,395.18	3/4	1,054.99	3/4	722.80	3/4	379.37	3/4	38.82	3/4	3/4	3/4	3/4	3/4	3/4
4	2,074.92	4	1,731.47	4	1,388.03	4	1,048.14	4	715.65	4	372.22	4	32.56	4	4	4	4	4	4
1/4	2,067.76	1/4	1,724.32	1/4	1,380.87	1/4	1,041.30	1/4	708.49	1/4	365.06	1/4	28.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,060.61	1/2	1,717.16	1/2	1,373.72	1/2	1,034.45	1/2	701.34	1/2	357.91	1/2	23.62	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,053.45	3/4	1,710.01	3/4	1,366.56	3/4	1,027.60	3/4	694.18	3/4	350.75	3/4	19.15	3/4	3/4	3/4	3/4	3/4	3/4
5	2,046.30	5	1,702.85	5	1,359.41	5	1,020.75	5	687.03	5	343.60	5	14.67	5	5	5	5	5	5
1/4	2,039.14	1/4	1,695.70	1/4	1,352.25	1/4	1,013.91	1/4	679.87	1/4	336.44	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,031.99	1/2	1,688.54	1/2	1,345.10	1/2	1,007.06	1/2	672.72	1/2	329.29	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,024.83	3/4	1,681.39	3/4	1,337.94	3/4	1,000.21	3/4	665.56	3/4	322.13	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,017.68	6	1,674.23	6	1,330.79	6	993.36	6	658.41	6	314.98	6	6	6	6	6	6	6	6
1/4	2,010.52	1/4	1,667.08	1/4	1,323.63	1/4	986.52	1/4	651.25	1/4	307.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,003.37	1/2	1,659.92	1/2	1,316.48	1/2	979.67	1/2	644.10	1/2	300.67	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,996.21	3/4	1,652.77	3/4	1,309.32	3/4	972.82	3/4	636.94	3/4	293.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,989.06	7	1,645.61	7	1,302.17	7	965.97	7	629.79	7	286.36	7	7	7	7	7	7	7	7
1/4	1,981.90	1/4	1,638.46	1/4	1,295.01	1/4	959.13	1/4	622.63	1/4	279.20	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,974.75	1/2	1,631.30	1/2	1,287.86	1/2	952.28	1/2	615.48	1/2	272.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,967.59	3/4	1,624.15	3/4	1,280.70	3/4	945.43	3/4	608.33	3/4	264.89	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,960.44	8	1,616.99	8	1,273.55	8	938.59	8	601.17	8	257.74	8	8	8	8	8	8	8	8
1/4	1,953.28	1/4	1,609.84	1/4	1,266.39	1/4	931.74	1/4	594.02	1/4	250.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,946.13	1/2	1,602.68	1/2	1,259.24	1/2	924.89	1/2	586.86	1/2	243.43	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,938.97	3/4	1,595.53	3/4	1,252.08	3/4	918.04	3/4	579.71	3/4	236.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,931.82	9	1,588.37	9	1,244.93	9	911.20	9	572.55	9	229.12	9	9	9	9	9	9	9	9
1/4	1,924.66	1/4	1,581.22	1/4	1,237.77	1/4	904.35	1/4	565.40	1/4	221.97	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,917.51	1/2	1,574.06	1/2	1,230.62	1/2	897.50	1/2	558.24	1/2	214.81	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,910.35	3/4	1,566.91	3/4	1,223.46	3/4	890.66	3/4	551.09	3/4	207.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,903.20	10	1,559.75	10	1,216.31	10	883.81	10	543.93	10	200.50	10	10	10	10	10	10	10	10
1/4	1,896.04	1/4	1,552.60	1/4	1,209.15	1/4	876.96	1/4	536.78	1/4	193.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,888.89	1/2	1,545.44	1/2	1,202.00	1/2	870.11	1/2	529.62	1/2	186.19	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,881.73	3/4	1,538.29	3/4	1,194.84	3/4	863.27	3/4	522.47	3/4	179.04	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,874.58	11	1,531.13	11	1,187.69	11	856.42	11	515.31	11	171.88	11	11	11	11	11	11	11	11
1/4	1,867.42	1/4	1,523.98	1/4	1,180.53	1/4	849.57	1/4	508.16	1/4	164.73	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,860.27	1/2	1,516.82	1/2	1,173.38	1/2	842.71	1/2	501.00	1/2	157.57	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,853.11	3/4	1,509.67	3/4	1,166.22	3/4	835.85	3/4	493.85	3/4	150.42	3/4		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 07/2021



BARGE "MPX 423"

2 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,941.65	0	4,600.01	0	4,257.76	0	3,914.23	0	3,570.74	0	3,227.31	0	2,883.83	0	2,540.30
1/4		1/4		1/4	4,934.57	1/4	4,592.89	1/4	4,250.60	1/4	3,907.08	1/4	3,563.58	1/4	3,220.15	1/4	2,876.67	1/4	2,533.15
1/2		1/2		1/2	4,927.49	1/2	4,585.76	1/2	4,243.44	1/2	3,899.92	1/2	3,556.43	1/2	3,213.00	1/2	2,869.52	1/2	2,525.99
3/4		3/4		3/4	4,920.41	3/4	4,578.64	3/4	4,236.29	3/4	3,892.76	3/4	3,549.28	3/4	3,205.84	3/4	2,862.36	3/4	2,518.83
1		1		1	4,913.33	1	4,571.51	1	4,229.13	1	3,885.60	1	3,542.12	1	3,198.69	1	2,855.20	1	2,511.68
1/4		1/4		1/4	4,906.26	1/4	4,564.39	1/4	4,221.97	1/4	3,878.45	1/4	3,534.97	1/4	3,191.54	1/4	2,848.04	1/4	2,504.52
1/2		1/2		1/2	4,899.18	1/2	4,557.26	1/2	4,214.82	1/2	3,871.29	1/2	3,527.81	1/2	3,184.38	1/2	2,840.89	1/2	2,497.36
3/4		3/4		3/4	4,892.10	3/4	4,550.14	3/4	4,207.66	3/4	3,864.13	3/4	3,520.66	3/4	3,177.23	3/4	2,833.73	3/4	2,490.20
2		2		2	4,884.97	2	4,543.02	2	4,200.50	2	3,856.98	2	3,513.50	2	3,170.07	2	2,826.57	2	2,483.05
1/4		1/4		1/4	4,877.85	1/4	4,535.89	1/4	4,193.35	1/4	3,849.82	1/4	3,506.35	1/4	3,162.92	1/4	2,819.42	1/4	2,475.89
1/2		1/2		1/2	4,870.73	1/2	4,528.77	1/2	4,186.19	1/2	3,842.66	1/2	3,499.19	1/2	3,155.76	1/2	2,812.26	1/2	2,468.73
3/4		3/4		3/4	4,863.60	3/4	4,521.64	3/4	4,179.03	3/4	3,835.51	3/4	3,492.04	3/4	3,148.61	3/4	2,805.10	3/4	2,461.58
3		3		3	4,856.48	3	4,514.52	3	4,171.88	3	3,828.35	3	3,484.88	3	3,141.45	3	2,797.95	3	2,454.42
1/4		1/4		1/4	4,849.35	1/4	4,507.40	1/4	4,164.72	1/4	3,821.19	1/4	3,477.73	1/4	3,134.30	1/4	2,790.79	1/4	2,447.26
1/2		1/2		1/2	4,842.23	1/2	4,500.27	1/2	4,157.56	1/2	3,814.04	1/2	3,470.57	1/2	3,127.14	1/2	2,783.63	1/2	2,440.11
3/4		3/4		3/4	4,835.10	3/4	4,493.15	3/4	4,150.41	3/4	3,806.88	3/4	3,463.42	3/4	3,119.99	3/4	2,776.48	3/4	2,432.95
4		4		4	4,827.98	4	4,486.02	4	4,143.25	4	3,799.72	4	3,456.26	4	3,112.83	4	2,769.32	4	2,425.79
1/4		1/4		1/4	4,820.86	1/4	4,478.90	1/4	4,136.09	1/4	3,792.57	1/4	3,449.11	1/4	3,105.68	1/4	2,762.16	1/4	2,418.64
1/2		1/2		1/2	4,813.73	1/2	4,471.78	1/2	4,128.94	1/2	3,785.41	1/2	3,441.95	1/2	3,098.52	1/2	2,755.01	1/2	2,411.48
3/4		3/4		3/4	4,806.61	3/4	4,464.65	3/4	4,121.78	3/4	3,778.25	3/4	3,434.80	3/4	3,091.37	3/4	2,747.85	3/4	2,404.32
5		5		5	4,799.48	5	4,457.53	5	4,114.62	5	3,771.10	5	3,427.64	5	3,084.21	5	2,740.69	5	2,397.17
1/4		1/4		1/4	4,792.36	1/4	4,450.40	1/4	4,107.47	1/4	3,763.94	1/4	3,420.49	1/4	3,077.06	1/4	2,733.54	1/4	2,390.01
1/2		1/2		1/2	4,785.24	1/2	4,443.28	1/2	4,100.31	1/2	3,756.78	1/2	3,413.33	1/2	3,069.90	1/2	2,726.38	1/2	2,382.85
3/4		3/4		3/4	5,093.24	3/4	4,778.11	3/4	4,436.16	3/4	4,093.15	3/4	3,749.63	3/4	3,406.18	3/4	3,062.75	3/4	2,719.22
6		6		6	5,089.44	6	4,770.99	6	4,429.03	6	4,086.00	6	3,742.47	6	3,399.02	6	3,055.59	6	2,712.07
1/4		1/4		1/4	5,085.64	1/4	4,763.86	1/4	4,421.91	1/4	4,078.84	1/4	3,735.31	1/4	3,391.87	1/4	3,048.44	1/4	2,704.91
1/2		1/2		1/2	5,081.84	1/2	4,756.74	1/2	4,414.78	1/2	4,071.68	1/2	3,728.16	1/2	3,384.71	1/2	3,041.28	1/2	2,697.75
3/4		3/4		3/4	5,078.04	3/4	4,749.62	3/4	4,407.66	3/4	4,064.52	3/4	3,721.00	3/4	3,377.56	3/4	3,034.12	3/4	2,690.60
7		7		7	5,073.05	7	4,742.49	7	4,400.53	7	4,057.37	7	3,713.84	7	3,370.41	7	3,026.96	7	2,683.44
1/4		1/4		1/4	5,068.06	1/4	4,735.37	1/4	4,393.41	1/4	4,050.21	1/4	3,706.68	1/4	3,363.25	1/4	3,019.81	1/4	2,676.28
1/2		1/2		1/2	5,063.07	1/2	4,728.24	1/2	4,386.29	1/2	4,043.05	1/2	3,699.53	1/2	3,356.10	1/2	3,012.65	1/2	2,669.12
3/4		3/4		3/4	5,058.08	3/4	4,721.12	3/4	4,379.16	3/4	4,035.90	3/4	3,692.37	3/4	3,348.94	3/4	3,005.49	3/4	2,661.97
8		8		8	5,051.89	8	4,714.00	8	4,372.04	8	4,028.74	8	3,685.22	8	3,341.79	8	2,998.34	8	2,654.81
1/4		1/4		1/4	5,045.71	1/4	4,706.87	1/4	4,364.91	1/4	4,021.58	1/4	3,678.06	1/4	3,334.63	1/4	2,991.18	1/4	2,647.65
1/2		1/2		1/2	5,039.52	1/2	4,699.75	1/2	4,357.79	1/2	4,014.43	1/2	3,670.91	1/2	3,327.48	1/2	2,984.02	1/2	2,640.50
3/4		3/4		3/4	5,033.34	3/4	4,692.62	3/4	4,350.67	3/4	4,007.27	3/4	3,663.75	3/4	3,320.32	3/4	2,976.87	3/4	2,633.34
9		9		9	5,026.33	9	4,685.50	9	4,343.54	9	4,000.11	9	3,656.60	9	3,313.17	9	2,969.71	9	2,626.18
1/4		1/4		1/4	5,019.32	1/4	4,678.37	1/4	4,336.42	1/4	3,992.96	1/4	3,649.44	1/4	3,306.01	1/4	2,962.55	1/4	2,619.03
1/2		1/2		1/2	5,012.31	1/2	4,671.25	1/2	4,329.29	1/2	3,985.80	1/2	3,642.29	1/2	3,298.86	1/2	2,955.40	1/2	2,611.87
3/4		3/4		3/4	5,005.30	3/4	4,664.13	3/4	4,322.17	3/4	3,978.64	3/4	3,635.13	3/4	3,291.70	3/4	2,948.24	3/4	2,604.71
10		10		10	4,998.23	10	4,657.00	10	4,315.01	10	3,971.49	10	3,627.98	10	3,284.55	10	2,941.08	10	2,597.56
1/4		1/4		1/4	4,991.17	1/4	4,649.88	1/4	4,307.86	1/4	3,964.33	1/4	3,620.82	1/4	3,277.39	1/4	2,933.93	1/4	2,590.40
1/2		1/2		1/2	4,984.10	1/2	4,642.75	1/2	4,300.70	1/2	3,957.17	1/2	3,613.67	1/2	3,270.24	1/2	2,926.77	1/2	2,583.24
3/4		3/4		3/4	4,977.04	3/4	4,635.63	3/4	4,293.54	3/4	3,950.02	3/4	3,606.51	3/4	3,263.08	3/4	2,919.61	3/4	2,576.09
11		11		11	4,969.96	11	4,628.51	11	4,286.39	11	3,942.86	11	3,599.36	11	3,255.93	11	2,912.46	11	2,568.93
1/4		1/4		1/4	4,962.89	1/4	4,621.38	1/4	4,279.23	1/4	3,935.70	1/4	3,592.20	1/4	3,248.77	1/4	2,905.30	1/4	2,561.77
1/2		1/2		1/2	4,955.81	1/2	4,614.26	1/2	4,272.07	1/2	3,928.55	1/2	3,585.05	1/2	3,241.62	1/2	2,898.14	1/2	2,554.62
3/4		3/4		3/4	4,948.73	3/4	4,607.13	3/4	4,264.92	3/4	3,921.39	3/4	3,577.89	3/4	3,234.46	3/4	2,890.99	3/4	2,547.46

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "MPX 423"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,196.78	0	1,853.25	0	1,509.72	0	1,166.20	0	823.16	0	479.65	0	136.14	0		0		0	
1/4	2,189.62	1/4	1,846.09	1/4	1,502.57	1/4	1,159.04	1/4	816.01	1/4	472.49	1/4	128.99	1/4	1/4	1/4		1/4	
1/2	2,182.46	1/2	1,838.94	1/2	1,495.41	1/2	1,151.88	1/2	808.85	1/2	465.34	1/2	121.83	1/2	1/2	1/2		1/2	
3/4	2,175.31	3/4	1,831.78	3/4	1,488.25	3/4	1,144.73	3/4	801.69	3/4	458.18	3/4	114.67	3/4	3/4	3/4		3/4	
1	2,168.15	1	1,824.62	1	1,481.10	1	1,137.57	1	794.54	1	451.03	1	107.53	1	1	1		1	
1/4	2,160.99	1/4	1,817.47	1/4	1,473.94	1/4	1,130.41	1/4	787.38	1/4	443.87	1/4	100.38	1/4	1/4	1/4		1/4	
1/2	2,153.84	1/2	1,810.31	1/2	1,466.78	1/2	1,123.26	1/2	780.22	1/2	436.71	1/2	93.24	1/2	1/2	1/2		1/2	
3/4	2,146.68	3/4	1,803.15	3/4	1,459.63	3/4	1,116.10	3/4	773.07	3/4	429.56	3/4	86.09	3/4	3/4	3/4		3/4	
2	2,139.52	2	1,796.00	2	1,452.47	2	1,108.95	2	765.91	2	422.40	2	78.97	2	2	2		2	
1/4	2,132.36	1/4	1,788.84	1/4	1,445.31	1/4	1,101.80	1/4	758.75	1/4	415.24	1/4	71.85	1/4	1/4	1/4		1/4	
1/2	2,125.21	1/2	1,781.68	1/2	1,438.16	1/2	1,094.65	1/2	751.60	1/2	408.09	1/2	64.73	1/2	1/2	1/2		1/2	
3/4	2,118.05	3/4	1,774.52	3/4	1,431.00	3/4	1,087.50	3/4	744.44	3/4	400.93	3/4	57.61	3/4	3/4	3/4		3/4	
3	2,110.89	3	1,767.37	3	1,423.84	3	1,080.35	3	737.29	3	393.77	3	51.35	3	3	3		3	
1/4	2,103.74	1/4	1,760.21	1/4	1,416.68	1/4	1,073.21	1/4	730.13	1/4	386.62	1/4	45.09	1/4	1/4	1/4		1/4	
1/2	2,096.58	1/2	1,753.05	1/2	1,409.53	1/2	1,066.07	1/2	722.97	1/2	379.46	1/2	38.83	1/2	1/2	1/2		1/2	
3/4	2,089.42	3/4	1,745.90	3/4	1,402.37	3/4	1,058.92	3/4	715.82	3/4	372.30	3/4	32.57	3/4	3/4	3/4		3/4	
4	2,082.27	4	1,738.74	4	1,395.21	4	1,051.78	4	708.66	4	365.15	4	28.09	4	4	4		4	
1/4	2,075.11	1/4	1,731.58	1/4	1,388.06	1/4	1,044.64	1/4	701.50	1/4	357.99	1/4	23.62	1/4	1/4	1/4		1/4	
1/2	2,067.95	1/2	1,724.43	1/2	1,380.90	1/2	1,037.50	1/2	694.35	1/2	350.83	1/2	19.15	1/2	1/2	1/2		1/2	
3/4	2,060.80	3/4	1,717.27	3/4	1,373.74	3/4	1,030.35	3/4	687.19	3/4	343.68	3/4	14.68	3/4	3/4	3/4		3/4	
5	2,053.64	5	1,710.11	5	1,366.59	5	1,023.21	5	680.03	5	336.52	5		5	5	5		5	
1/4	2,046.48	1/4	1,702.96	1/4	1,359.43	1/4	1,016.07	1/4	672.88	1/4	329.36	1/4		1/4	1/4	1/4		1/4	
1/2	2,039.33	1/2	1,695.80	1/2	1,352.27	1/2	1,008.93	1/2	665.72	1/2	322.21	1/2		1/2	1/2	1/2		1/2	
3/4	2,032.17	3/4	1,688.64	3/4	1,345.12	3/4	1,001.78	3/4	658.56	3/4	315.05	3/4		3/4	3/4	3/4		3/4	
6	2,025.01	6	1,681.49	6	1,337.96	6	994.64	6	651.41	6	307.90	6		6	6	6		6	
1/4	2,017.86	1/4	1,674.33	1/4	1,330.80	1/4	987.50	1/4	644.25	1/4	300.74	1/4		1/4	1/4	1/4		1/4	
1/2	2,010.70	1/2	1,667.17	1/2	1,323.65	1/2	980.35	1/2	637.09	1/2	293.58	1/2		1/2	1/2	1/2		1/2	
3/4	2,003.54	3/4	1,660.02	3/4	1,316.49	3/4	973.21	3/4	629.94	3/4	286.43	3/4		3/4	3/4	3/4		3/4	
7	1,996.39	7	1,652.86	7	1,309.33	7	966.07	7	622.78	7	279.27	7		7	7	7		7	
1/4	1,989.23	1/4	1,645.70	1/4	1,302.18	1/4	958.93	1/4	615.62	1/4	272.11	1/4		1/4	1/4	1/4		1/4	
1/2	1,982.07	1/2	1,638.55	1/2	1,295.02	1/2	951.78	1/2	608.47	1/2	264.96	1/2		1/2	1/2	1/2		1/2	
3/4	1,974.92	3/4	1,631.39	3/4	1,287.86	3/4	944.64	3/4	601.31	3/4	257.80	3/4		3/4	3/4	3/4		3/4	
8	1,967.76	8	1,624.23	8	1,280.71	8	937.50	8	594.16	8	250.64	8		8	8	8		8	
1/4	1,960.60	1/4	1,617.08	1/4	1,273.55	1/4	930.35	1/4	587.00	1/4	243.49	1/4		1/4	1/4	1/4		1/4	
1/2	1,953.44	1/2	1,609.92	1/2	1,266.39	1/2	923.21	1/2	579.84	1/2	236.33	1/2		1/2	1/2	1/2		1/2	
3/4	1,946.29	3/4	1,602.76	3/4	1,259.24	3/4	916.07	3/4	572.69	3/4	229.17	3/4		3/4	3/4	3/4		3/4	
9	1,939.13	9	1,595.60	9	1,252.08	9	908.93	9	565.53	9	222.02	9		9	9	9		9	
1/4	1,931.97	1/4	1,588.45	1/4	1,244.92	1/4	901.78	1/4	558.37	1/4	214.86	1/4		1/4	1/4	1/4		1/4	
1/2	1,924.82	1/2	1,581.29	1/2	1,237.76	1/2	894.64	1/2	551.22	1/2	207.70	1/2		1/2	1/2	1/2		1/2	
3/4	1,917.66	3/4	1,574.13	3/4	1,230.61	3/4	887.50	3/4	544.06	3/4	200.55	3/4		3/4	3/4	3/4		3/4	
10	1,910.50	10	1,566.98	10	1,223.45	10	880.36	10	536.90	10	193.39	10		10	10	10		10	
1/4	1,903.35	1/4	1,559.82	1/4	1,216.29	1/4	873.21	1/4	529.75	1/4	186.23	1/4		1/4	1/4	1/4		1/4	
1/2	1,896.19	1/2	1,552.66	1/2	1,209.14	1/2	866.07	1/2	522.59	1/2	179.08	1/2		1/2	1/2	1/2		1/2	
3/4	1,889.03	3/4	1,545.51	3/4	1,201.98	3/4	858.93	3/4	515.43	3/4	171.92	3/4		3/4	3/4	3/4		3/4	
11	1,881.88	11	1,538.35	11	1,194.82	11	851.78	11	508.28	11	164.77	11		11	11	11		11	
1/4	1,874.72	1/4	1,531.19	1/4	1,187.67	1/4	844.62	1/4	501.12	1/4	157.61	1/4		1/4	1/4	1/4		1/4	
1/2	1,867.56	1/2	1,524.04	1/2	1,180.51	1/2	837.47	1/2	493.96	1/2	150.45	1/2		1/2	1/2	1/2		1/2	
3/4	1,860.41	3/4	1,516.88	3/4	1,173.35	3/4	830.32	3/4	486.81	3/4	143.30	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

3 PORT 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.	IN	10 FT.
0		0		0	4,296.02	0	4,087.56	0	3,878.73	0	3,669.16	0	3,459.86	0	3,193.67	0	2,852.48	0	2,511.20		
1/4		1/4		1/4	4,291.70	1/4	4,083.21	1/4	3,874.36	1/4	3,664.80	1/4	3,455.51	1/4	3,186.58	1/4	2,845.37	1/4	2,504.09		
1/2		1/2		1/2	4,287.38	1/2	4,078.86	1/2	3,870.00	1/2	3,660.43	1/2	3,451.16	1/2	3,179.49	1/2	2,838.26	1/2	2,496.98		
3/4		3/4		3/4	4,283.06	3/4	4,074.52	3/4	3,865.63	3/4	3,656.06	3/4	3,446.81	3/4	3,172.40	3/4	2,831.15	3/4	2,489.87		
1		1		1	4,278.74	1	4,070.17	1	3,861.27	1	3,651.70	1	3,442.46	1	3,165.32	1	2,824.04	1	2,482.76		
1/4		1/4		1/4	4,274.42	1/4	4,065.82	1/4	3,856.90	1/4	3,647.33	1/4	3,438.11	1/4	3,158.23	1/4	2,816.93	1/4	2,475.65		
1/2		1/2		1/2	4,270.10	1/2	4,061.48	1/2	3,852.53	1/2	3,642.97	1/2	3,433.76	1/2	3,151.14	1/2	2,809.82	1/2	2,468.53		
3/4		3/4		3/4	4,265.78	3/4	4,057.13	3/4	3,848.17	3/4	3,638.60	3/4	3,429.41	3/4	3,144.05	3/4	2,802.71	3/4	2,461.42		
2		2		2	4,261.44	2	4,052.78	2	3,843.80	2	3,634.23	2	3,425.06	2	3,136.96	2	2,795.60	2	2,454.31		
1/4		1/4		1/4	4,257.09	1/4	4,048.43	1/4	3,839.44	1/4	3,629.87	1/4	3,420.71	1/4	3,129.87	1/4	2,788.49	1/4	2,447.20		
1/2		1/2		1/2	4,252.74	1/2	4,044.09	1/2	3,835.07	1/2	3,625.50	1/2	3,416.36	1/2	3,122.78	1/2	2,781.38	1/2	2,440.09		
3/4		3/4		3/4	4,248.40	3/4	4,039.74	3/4	3,830.70	3/4	3,621.14	3/4	3,412.01	3/4	3,115.69	3/4	2,774.27	3/4	2,432.98		
3		3		3	4,244.05	3	4,035.39	3	3,826.34	3	3,616.77	3	3,407.66	3	3,108.59	3	2,767.16	3	2,425.87		
1/4		1/4		1/4	4,239.70	1/4	4,031.05	1/4	3,821.97	1/4	3,612.40	1/4	3,403.31	1/4	3,101.48	1/4	2,760.05	1/4	2,418.76		
1/2		1/2		1/2	4,235.36	1/2	4,026.70	1/2	3,817.61	1/2	3,608.04	1/2	3,398.96	1/2	3,094.38	1/2	2,752.94	1/2	2,411.65		
3/4		3/4		3/4	4,231.01	3/4	4,022.35	3/4	3,813.24	3/4	3,603.67	3/4	3,394.61	3/4	3,087.27	3/4	2,745.83	3/4	2,404.53		
4		4		4	4,226.66	4	4,018.01	4	3,808.87	4	3,599.31	4	3,390.26	4	3,080.16	4	2,738.72	4	2,397.42		
1/4		1/4		1/4	4,222.31	1/4	4,013.66	1/4	3,804.51	1/4	3,594.94	1/4	3,385.91	1/4	3,073.06	1/4	2,731.61	1/4	2,390.31		
1/2		1/2		1/2	4,217.97	1/2	4,009.31	1/2	3,800.14	1/2	3,590.57	1/2	3,381.56	1/2	3,065.95	1/2	2,724.50	1/2	2,383.20		
3/4		3/4		3/4	4,213.62	3/4	4,004.96	3/4	3,795.78	3/4	3,586.21	3/4	3,377.21	3/4	3,058.84	3/4	2,717.39	3/4	2,376.09		
5		5		5	4,209.27	5	4,000.62	5	3,791.41	5	3,581.84	5	3,372.88	5	3,051.74	5	2,710.28	5	2,368.98		
1/4		1/4		1/4	4,204.93	1/4	3,996.27	1/4	3,787.04	1/4	3,577.48	1/4	3,368.55	1/4	3,044.63	1/4	2,703.17	1/4	2,361.87		
1/2		1/2		1/2	4,200.58	1/2	3,991.92	1/2	3,782.68	1/2	3,573.11	1/2	3,364.21	1/2	3,037.53	1/2	2,696.06	1/2	2,354.76		
3/4		3/4		3/4	4,381.33	3/4	4,196.23	3/4	3,987.58	3/4	3,778.31	3/4	3,568.74	3/4	3,359.88	3/4	3,030.42	3/4	2,688.95	3/4	2,347.65
6		6		6	4,379.62	6	4,191.89	6	3,983.23	6	3,773.95	6	3,564.38	6	3,355.55	6	3,023.30	6	2,681.84	6	2,340.53
1/4		1/4		1/4	4,377.92	1/4	4,187.54	1/4	3,978.88	1/4	3,769.58	1/4	3,560.01	1/4	3,351.22	1/4	3,016.18	1/4	2,674.73	1/4	2,333.42
1/2		1/2		1/2	4,376.21	1/2	4,183.19	1/2	3,974.54	1/2	3,765.21	1/2	3,555.65	1/2	3,346.88	1/2	3,009.05	1/2	2,667.62	1/2	2,326.31
3/4		3/4		3/4	4,374.51	3/4	4,178.84	3/4	3,970.19	3/4	3,760.85	3/4	3,551.28	3/4	3,342.55	3/4	3,001.93	3/4	2,660.51	3/4	2,319.20
7		7		7	4,372.27	7	4,174.50	7	3,965.84	7	3,756.48	7	3,546.91	7	3,335.46	7	2,994.81	7	2,653.40	7	2,312.09
1/4		1/4		1/4	4,370.02	1/4	4,170.15	1/4	3,961.49	1/4	3,752.12	1/4	3,542.55	1/4	3,328.37	1/4	2,987.69	1/4	2,646.29	1/4	2,304.98
1/2		1/2		1/2	4,367.78	1/2	4,165.80	1/2	3,957.15	1/2	3,747.75	1/2	3,538.18	1/2	3,321.28	1/2	2,980.57	1/2	2,639.18	1/2	2,297.87
3/4		3/4		3/4	4,365.54	3/4	4,161.46	3/4	3,952.80	3/4	3,743.38	3/4	3,533.82	3/4	3,314.19	3/4	2,973.44	3/4	2,632.07	3/4	2,290.76
8		8		8	4,362.11	8	4,157.11	8	3,948.45	8	3,739.02	8	3,529.47	8	3,307.10	8	2,966.32	8	2,624.96	8	2,283.65
1/4		1/4		1/4	4,358.68	1/4	4,152.76	1/4	3,944.11	1/4	3,734.65	1/4	3,525.12	1/4	3,300.01	1/4	2,959.20	1/4	2,617.85	1/4	2,276.53
1/2		1/2		1/2	4,355.25	1/2	4,148.42	1/2	3,939.76	1/2	3,730.29	1/2	3,520.77	1/2	3,292.92	1/2	2,952.08	1/2	2,610.74	1/2	2,269.42
3/4		3/4		3/4	4,351.83	3/4	4,144.07	3/4	3,935.41	3/4	3,725.92	3/4	3,516.42	3/4	3,285.83	3/4	2,944.96	3/4	2,603.63	3/4	2,262.31
9		9		9	4,347.57	9	4,139.72	9	3,931.07	9	3,721.55	9	3,512.07	9	3,278.74	9	2,937.83	9	2,596.52	9	2,255.20
1/4		1/4		1/4	4,343.32	1/4	4,135.37	1/4	3,926.72	1/4	3,717.19	1/4	3,507.72	1/4	3,271.65	1/4	2,930.71	1/4	2,589.41	1/4	2,248.09
1/2		1/2		1/2	4,339.07	1/2	4,131.03	1/2	3,922.37	1/2	3,712.82	1/2	3,503.37	1/2	3,264.56	1/2	2,923.59	1/2	2,582.30	1/2	2,240.98
3/4		3/4		3/4	4,334.82	3/4	4,126.68	3/4	3,918.02	3/4	3,708.46	3/4	3,499.02	3/4	3,257.47	3/4	2,916.47	3/4	2,575.19	3/4	2,233.87
10		10		10	4,330.52	10	4,122.33	10	3,913.66	10	3,704.09	10	3,494.67	10	3,250.38	10	2,909.36	10	2,568.08	10	2,226.76
1/4		1/4		1/4	4,326.21	1/4	4,117.99	1/4	3,909.29	1/4	3,699.72	1/4	3,490.31	1/4	3,243.29	1/4	2,902.25	1/4	2,560.97	1/4	2,219.65
1/2		1/2		1/2	4,321.91	1/2	4,113.64	1/2	3,904.93	1/2	3,695.36	1/2	3,485.96	1/2	3,236.20	1/2	2,895.14	1/2	2,553.86	1/2	2,212.54
3/4		3/4		3/4	4,317.60	3/4	4,109.29	3/4	3,900.56	3/4	3,690.99	3/4	3,481.61	3/4	3,229.12	3/4	2,888.03	3/4	2,546.75	3/4	2,205.42
11		11		11	4,313.29	11	4,104.95	11	3,896.19	11	3,686.63	11	3,477.26	11	3,222.03	11	2,880.92	11	2,539.64	11	2,198.31
1/4		1/4		1/4	4,308.97	1/4	4,100.60	1/4	3,891.83	1/4	3,682.26	1/4	3,472.91	1/4	3,214.94	1/4	2,873.81	1/4	2,532.53	1/4	2,191.20
1/2		1/2		1/2	4,304.65	1/2	4,096.25	1/2	3,887.46	1/2	3,677.89	1/2	3,468.56	1/2	3,207.85	1/2	2,866.70	1/2	2,525.42	1/2	2,184.09
3/4		3/4		3/4	4,300.34	3/4	4,091.90	3/4	3,883.10	3/4	3,673.53	3/4	3,464.21	3/4	3,200.76	3/4	2,859.59	3/4	2,518.31	3/4	2,176.98

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 423"

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	2,169.87	0	1,828.54	0	1,487.20	0	1,145.87	0	818.00	0	477.30	0	135.52	0		0		0	
1/4	2,162.76	1/4	1,821.42	1/4	1,480.09	1/4	1,138.76	1/4	811.12	1/4	470.19	1/4	128.40	1/4		1/4		1/4	
1/2	2,155.65	1/2	1,814.31	1/2	1,472.98	1/2	1,131.65	1/2	804.24	1/2	463.08	1/2	121.28	1/2		1/2		1/2	
3/4	2,148.54	3/4	1,807.20	3/4	1,465.87	3/4	1,124.54	3/4	797.36	3/4	455.96	3/4	114.16	3/4		3/4		3/4	
1	2,141.42	1	1,800.09	1	1,458.76	1	1,117.66	1	790.25	1	448.85	1	107.04	1		1		1	
1/4	2,134.31	1/4	1,792.98	1/4	1,451.65	1/4	1,110.78	1/4	783.13	1/4	441.74	1/4	99.93	1/4		1/4		1/4	
1/2	2,127.20	1/2	1,785.87	1/2	1,444.54	1/2	1,103.90	1/2	776.02	1/2	434.63	1/2	92.82	1/2		1/2		1/2	
3/4	2,120.09	3/4	1,778.76	3/4	1,437.43	3/4	1,097.02	3/4	768.91	3/4	427.51	3/4	85.70	3/4		3/4		3/4	
2	2,112.98	2	1,771.65	2	1,430.31	2	1,090.21	2	761.80	2	420.40	2	78.62	2		2		2	
1/4	2,105.87	1/4	1,764.54	1/4	1,423.20	1/4	1,083.40	1/4	754.69	1/4	413.29	1/4	71.53	1/4		1/4		1/4	
1/2	2,098.76	1/2	1,757.42	1/2	1,416.09	1/2	1,076.59	1/2	747.57	1/2	406.18	1/2	64.44	1/2		1/2		1/2	
3/4	2,091.65	3/4	1,750.31	3/4	1,408.98	3/4	1,069.78	3/4	740.46	3/4	399.07	3/4	57.35	3/4		3/4		3/4	
3	2,084.54	3	1,743.20	3	1,401.87	3	1,062.98	3	733.35	3	391.95	3	51.12	3		3		3	
1/4	2,077.42	1/4	1,736.09	1/4	1,394.76	1/4	1,056.17	1/4	726.24	1/4	384.84	1/4	44.89	1/4		1/4		1/4	
1/2	2,070.31	1/2	1,728.98	1/2	1,387.65	1/2	1,049.37	1/2	719.12	1/2	377.73	1/2	38.66	1/2		1/2		1/2	
3/4	2,063.20	3/4	1,721.87	3/4	1,380.54	3/4	1,042.57	3/4	712.01	3/4	370.62	3/4	32.42	3/4		3/4		3/4	
4	2,056.09	4	1,714.76	4	1,373.43	4	1,035.77	4	704.90	4	363.49	4	27.97	4		4		4	
1/4	2,048.98	1/4	1,707.65	1/4	1,366.31	1/4	1,028.97	1/4	697.79	1/4	356.37	1/4	23.52	1/4		1/4		1/4	
1/2	2,041.87	1/2	1,700.54	1/2	1,359.20	1/2	1,022.16	1/2	690.67	1/2	349.24	1/2	19.07	1/2		1/2		1/2	
3/4	2,034.76	3/4	1,693.42	3/4	1,352.09	3/4	1,015.36	3/4	683.56	3/4	342.12	3/4	14.61	3/4		3/4		3/4	
5	2,027.65	5	1,686.31	5	1,344.98	5	1,008.56	5	676.45	5	335.00	5		5		5		5	
1/4	2,020.54	1/4	1,679.20	1/4	1,337.87	1/4	1,001.76	1/4	669.34	1/4	327.87	1/4		1/4		1/4		1/4	
1/2	2,013.42	1/2	1,672.09	1/2	1,330.76	1/2	994.96	1/2	662.22	1/2	320.75	1/2		1/2		1/2		1/2	
3/4	2,006.31	3/4	1,664.98	3/4	1,323.65	3/4	988.15	3/4	655.11	3/4	313.62	3/4		3/4		3/4		3/4	
6	1,999.20	6	1,657.87	6	1,316.54	6	981.35	6	648.00	6	306.50	6		6		6		6	
1/4	1,992.09	1/4	1,650.76	1/4	1,309.43	1/4	974.55	1/4	640.89	1/4	299.38	1/4		1/4		1/4		1/4	
1/2	1,984.98	1/2	1,643.65	1/2	1,302.31	1/2	967.75	1/2	633.77	1/2	292.25	1/2		1/2		1/2		1/2	
3/4	1,977.87	3/4	1,636.54	3/4	1,295.20	3/4	960.95	3/4	626.66	3/4	285.13	3/4		3/4		3/4		3/4	
7	1,970.76	7	1,629.42	7	1,288.09	7	954.14	7	619.55	7	278.00	7		7		7		7	
1/4	1,963.65	1/4	1,622.31	1/4	1,280.98	1/4	947.34	1/4	612.44	1/4	270.88	1/4		1/4		1/4		1/4	
1/2	1,956.54	1/2	1,615.20	1/2	1,273.87	1/2	940.54	1/2	605.32	1/2	263.76	1/2		1/2		1/2		1/2	
3/4	1,949.42	3/4	1,608.09	3/4	1,266.76	3/4	933.74	3/4	598.21	3/4	256.63	3/4		3/4		3/4		3/4	
8	1,942.31	8	1,600.98	8	1,259.65	8	926.94	8	591.10	8	249.51	8		8		8		8	
1/4	1,935.20	1/4	1,593.87	1/4	1,252.54	1/4	920.13	1/4	583.99	1/4	242.38	1/4		1/4		1/4		1/4	
1/2	1,928.09	1/2	1,586.76	1/2	1,245.43	1/2	913.33	1/2	576.88	1/2	235.26	1/2		1/2		1/2		1/2	
3/4	1,920.98	3/4	1,579.65	3/4	1,238.31	3/4	906.53	3/4	569.76	3/4	228.14	3/4		3/4		3/4		3/4	
9	1,913.87	9	1,572.54	9	1,231.20	9	899.73	9	562.65	9	221.01	9		9		9		9	
1/4	1,906.76	1/4	1,565.42	1/4	1,224.09	1/4	892.93	1/4	555.54	1/4	213.89	1/4		1/4		1/4		1/4	
1/2	1,899.65	1/2	1,558.31	1/2	1,216.98	1/2	886.13	1/2	548.43	1/2	206.76	1/2		1/2		1/2		1/2	
3/4	1,892.54	3/4	1,551.20	3/4	1,209.87	3/4	879.33	3/4	541.31	3/4	199.64	3/4		3/4		3/4		3/4	
10	1,885.42	10	1,544.09	10	1,202.76	10	872.52	10	534.20	10	192.52	10		10		10		10	
1/4	1,878.31	1/4	1,536.98	1/4	1,195.65	1/4	865.72	1/4	527.09	1/4	185.39	1/4		1/4		1/4		1/4	
1/2	1,871.20	1/2	1,529.87	1/2	1,188.54	1/2	858.92	1/2	519.98	1/2	178.27	1/2		1/2		1/2		1/2	
3/4	1,864.09	3/4	1,522.76	3/4	1,181.43	3/4	852.12	3/4	512.86	3/4	171.14	3/4		3/4		3/4		3/4	
11	1,856.98	11	1,515.65	11	1,174.31	11	845.31	11	505.75	11	164.02	11		11		11		11	
1/4	1,849.87	1/4	1,508.54	1/4	1,167.20	1/4	838.50	1/4	498.64	1/4	156.90	1/4		1/4		1/4		1/4	
1/2	1,842.76	1/2	1,501.43	1/2	1,160.09	1/2	831.69	1/2	491.53	1/2	149.77	1/2		1/2		1/2		1/2	
3/4	1,835.65	3/4	1,494.31	3/4	1,152.98	3/4	824.88	3/4	484.41	3/4	142.65	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

3 STBD ULLAGE 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		0		0	4,316.14	0	4,107.22	0	3,897.93	0	3,687.92	0	3,477.91	0	3,208.28	0	2,866.90	0	2,525.06
1/4		1/4		1/4	4,311.81	1/4	4,102.86	1/4	3,893.56	1/4	3,683.55	1/4	3,473.54	1/4	3,201.18	1/4	2,859.78	1/4	2,517.92
1/2		1/2		1/2	4,307.49	1/2	4,098.51	1/2	3,889.18	1/2	3,679.17	1/2	3,469.16	1/2	3,194.08	1/2	2,852.66	1/2	2,510.79
3/4		3/4		3/4	4,303.16	3/4	4,094.15	3/4	3,884.81	3/4	3,674.80	3/4	3,464.79	3/4	3,186.98	3/4	2,845.55	3/4	2,503.65
1		1		1	4,298.83	1	4,089.79	1	3,880.43	1	3,670.42	1	3,460.41	1	3,179.88	1	2,838.43	1	2,496.52
1/4		1/4		1/4	4,294.50	1/4	4,085.44	1/4	3,876.06	1/4	3,666.05	1/4	3,456.04	1/4	3,172.78	1/4	2,831.32	1/4	2,489.39
1/2		1/2		1/2	4,290.17	1/2	4,081.08	1/2	3,871.68	1/2	3,661.67	1/2	3,451.66	1/2	3,165.69	1/2	2,824.20	1/2	2,482.25
3/4		3/4		3/4	4,285.82	3/4	4,076.73	3/4	3,867.31	3/4	3,657.30	3/4	3,447.29	3/4	3,158.59	3/4	2,817.09	3/4	2,475.12
2		2		2	4,281.46	2	4,072.37	2	3,862.93	2	3,652.92	2	3,442.91	2	3,151.49	2	2,809.97	2	2,467.99
1/4		1/4		1/4	4,277.11	1/4	4,068.01	1/4	3,858.56	1/4	3,648.55	1/4	3,438.54	1/4	3,144.39	1/4	2,802.85	1/4	2,460.85
1/2		1/2		1/2	4,272.75	1/2	4,063.66	1/2	3,854.18	1/2	3,644.17	1/2	3,434.16	1/2	3,137.29	1/2	2,795.74	1/2	2,453.72
3/4		3/4		3/4	4,268.39	3/4	4,059.30	3/4	3,849.81	3/4	3,639.80	3/4	3,429.79	3/4	3,130.18	3/4	2,788.62	3/4	2,446.58
3		3		3	4,264.04	3	4,054.94	3	3,845.43	3	3,635.42	3	3,425.41	3	3,123.06	3	2,781.51	3	2,439.45
1/4		1/4		1/4	4,259.68	1/4	4,050.59	1/4	3,841.06	1/4	3,631.05	1/4	3,421.04	1/4	3,115.94	1/4	2,774.39	1/4	2,432.32
1/2		1/2		1/2	4,255.33	1/2	4,046.23	1/2	3,836.68	1/2	3,626.67	1/2	3,416.66	1/2	3,108.83	1/2	2,767.28	1/2	2,425.18
3/4		3/4		3/4	4,250.97	3/4	4,041.88	3/4	3,832.31	3/4	3,622.30	3/4	3,412.29	3/4	3,101.71	3/4	2,760.16	3/4	2,418.05
4		4		4	4,246.61	4	4,037.52	4	3,827.93	4	3,617.92	4	3,407.91	4	3,094.60	4	2,753.04	4	2,410.91
1/4		1/4		1/4	4,242.26	1/4	4,033.16	1/4	3,823.56	1/4	3,613.55	1/4	3,403.54	1/4	3,087.48	1/4	2,745.93	1/4	2,403.78
1/2		1/2		1/2	4,237.90	1/2	4,028.81	1/2	3,819.18	1/2	3,609.17	1/2	3,399.16	1/2	3,080.37	1/2	2,738.81	1/2	2,396.65
3/4		3/4		3/4	4,233.54	3/4	4,024.45	3/4	3,814.81	3/4	3,604.80	3/4	3,394.82	3/4	3,073.25	3/4	2,731.70	3/4	2,389.51
5		5		5	4,229.19	5	4,020.10	5	3,810.43	5	3,600.42	5	3,390.48	5	3,066.13	5	2,724.58	5	2,382.38
1/4		1/4		1/4	4,224.83	1/4	4,015.74	1/4	3,806.05	1/4	3,596.05	1/4	3,386.14	1/4	3,059.02	1/4	2,717.47	1/4	2,375.24
1/2		1/2		1/2	4,405.97	1/2	4,220.48	1/2	4,011.38	1/2	3,801.68	1/2	3,591.67	1/2	3,381.80	1/2	3,051.90	1/2	2,710.35
3/4		3/4		3/4	4,404.26	3/4	4,216.12	3/4	4,007.03	3/4	3,797.30	3/4	3,587.29	3/4	3,377.46	3/4	3,044.79	3/4	2,703.23
6		6		6	4,402.55	6	4,211.76	6	4,002.67	6	3,792.93	6	3,582.92	6	3,373.12	6	3,037.67	6	2,696.12
1/4		1/4		1/4	4,400.84	1/4	4,207.41	1/4	3,998.32	1/4	3,788.55	1/4	3,578.54	1/4	3,368.78	1/4	3,030.56	1/4	2,689.00
1/2		1/2		1/2	4,399.13	1/2	4,203.05	1/2	3,993.96	1/2	3,784.18	1/2	3,574.17	1/2	3,364.44	1/2	3,023.44	1/2	2,681.89
3/4		3/4		3/4	4,396.89	3/4	4,198.70	3/4	3,989.60	3/4	3,779.80	3/4	3,569.79	3/4	3,357.35	3/4	3,016.32	3/4	2,674.77
7		7		7	4,394.64	7	4,194.34	7	3,985.25	7	3,775.43	7	3,565.42	7	3,350.25	7	3,009.21	7	2,667.66
1/4		1/4		1/4	4,392.39	1/4	4,189.98	1/4	3,980.89	1/4	3,771.05	1/4	3,561.04	1/4	3,343.15	1/4	3,002.09	1/4	2,660.54
1/2		1/2		1/2	4,390.14	1/2	4,185.63	1/2	3,976.53	1/2	3,766.68	1/2	3,556.67	1/2	3,336.05	1/2	2,994.98	1/2	2,653.42
3/4		3/4		3/4	4,386.71	3/4	4,181.27	3/4	3,972.18	3/4	3,762.30	3/4	3,552.29	3/4	3,328.95	3/4	2,987.86	3/4	2,646.31
8		8		8	4,383.27	8	4,176.92	8	3,967.82	8	3,757.93	8	3,547.92	8	3,321.85	8	2,980.75	8	2,639.19
1/4		1/4		1/4	4,379.83	1/4	4,172.56	1/4	3,963.47	1/4	3,753.55	1/4	3,543.54	1/4	3,314.75	1/4	2,973.63	1/4	2,632.08
1/2		1/2		1/2	4,376.39	1/2	4,168.20	1/2	3,959.11	1/2	3,749.18	1/2	3,539.17	1/2	3,307.66	1/2	2,966.51	1/2	2,624.96
3/4		3/4		3/4	4,372.13	3/4	4,163.85	3/4	3,954.75	3/4	3,744.80	3/4	3,534.79	3/4	3,300.56	3/4	2,959.40	3/4	2,617.83
9		9		9	4,367.87	9	4,159.49	9	3,950.40	9	3,740.43	9	3,530.42	9	3,293.46	9	2,952.28	9	2,610.69
1/4		1/4		1/4	4,363.61	1/4	4,155.13	1/4	3,946.04	1/4	3,736.05	1/4	3,526.04	1/4	3,289.36	1/4	2,945.17	1/4	2,603.55
1/2		1/2		1/2	4,359.36	1/2	4,150.78	1/2	3,941.69	1/2	3,731.68	1/2	3,521.67	1/2	3,279.26	1/2	2,938.05	1/2	2,596.42
3/4		3/4		3/4	4,355.04	3/4	4,146.42	3/4	3,937.31	3/4	3,727.30	3/4	3,517.29	3/4	3,272.16	3/4	2,930.94	3/4	2,589.28
10		10		10	4,350.73	10	4,142.07	10	3,932.94	10	3,722.93	10	3,512.92	10	3,265.06	10	2,923.82	10	2,582.15
1/4		1/4		1/4	4,346.41	1/4	4,137.71	1/4	3,928.56	1/4	3,718.55	1/4	3,508.54	1/4	3,257.97	1/4	2,916.70	1/4	2,575.01
1/2		1/2		1/2	4,342.10	1/2	4,133.35	1/2	3,924.19	1/2	3,714.18	1/2	3,504.17	1/2	3,250.87	1/2	2,909.59	1/2	2,567.87
3/4		3/4		3/4	4,337.77	3/4	4,129.00	3/4	3,919.81	3/4	3,709.80	3/4	3,499.79	3/4	3,243.77	3/4	2,902.47	3/4	2,560.74
11		11		11	4,333.45	11	4,124.64	11	3,915.43	11	3,705.43	11	3,495.42	11	3,236.67	11	2,895.36	11	2,553.60
1/4		1/4		1/4	4,329.12	1/4	4,120.29	1/4	3,911.06	1/4	3,701.05	1/4	3,491.04	1/4	3,229.57	1/4	2,888.24	1/4	2,546.47
1/2		1/2		1/2	4,324.80	1/2	4,115.93	1/2	3,906.68	1/2	3,696.67	1/2	3,486.67	1/2	3,222.47	1/2	2,881.13	1/2	2,539.33
3/4		3/4		3/4	4,320.47	3/4	4,111.57	3/4	3,902.31	3/4	3,692.30	3/4	3,482.29	3/4	3,215.38	3/4	2,874.01	3/4	2,532.20

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
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BARGE "MPX 423"

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	2,182.63	0	1,840.20	0	1,497.77	0	1,155.35	0	813.41	0	470.99	0	128.58	0		0		0	
1/4	2,175.50	1/4	1,833.07	1/4	1,490.64	1/4	1,148.21	1/4	806.28	1/4	463.86	1/4	121.45	1/4	1/4	1/4		1/4	
1/2	2,168.36	1/2	1,825.93	1/2	1,483.51	1/2	1,141.08	1/2	799.14	1/2	456.73	1/2	114.31	1/2	1/2	1/2		1/2	
3/4	2,161.23	3/4	1,818.80	3/4	1,476.37	3/4	1,133.95	3/4	792.01	3/4	449.59	3/4	107.19	3/4	3/4	3/4		3/4	
1	2,154.09	1	1,811.67	1	1,469.24	1	1,126.81	1	784.88	1	442.46	1	100.07	1	1	1		1	
1/4	2,146.96	1/4	1,804.53	1/4	1,462.11	1/4	1,119.68	1/4	777.74	1/4	435.33	1/4	92.94	1/4	1/4	1/4		1/4	
1/2	2,139.83	1/2	1,797.40	1/2	1,454.97	1/2	1,112.54	1/2	770.61	1/2	428.19	1/2	85.82	1/2	1/2	1/2		1/2	
3/4	2,132.69	3/4	1,790.26	3/4	1,447.84	3/4	1,105.42	3/4	763.48	3/4	421.06	3/4	78.72	3/4	3/4	3/4		3/4	
2	2,125.56	2	1,783.13	2	1,440.70	2	1,098.29	2	756.34	2	413.92	2	71.63	2	2	2		2	
1/4	2,118.42	1/4	1,776.00	1/4	1,433.57	1/4	1,091.16	1/4	749.21	1/4	406.79	1/4	64.53	1/4	1/4	1/4		1/4	
1/2	2,111.29	1/2	1,768.86	1/2	1,426.44	1/2	1,084.03	1/2	742.07	1/2	399.66	1/2	57.43	1/2	1/2	1/2		1/2	
3/4	2,104.16	3/4	1,761.73	3/4	1,419.30	3/4	1,076.91	3/4	734.94	3/4	392.52	3/4	51.19	3/4	3/4	3/4		3/4	
3	2,097.02	3	1,754.60	3	1,412.17	3	1,069.79	3	727.81	3	385.39	3	44.95	3	3	3		3	
1/4	2,089.89	1/4	1,747.46	1/4	1,405.03	1/4	1,062.67	1/4	720.67	1/4	378.26	1/4	38.71	1/4	1/4	1/4		1/4	
1/2	2,082.75	1/2	1,740.33	1/2	1,397.90	1/2	1,055.55	1/2	713.54	1/2	371.12	1/2	32.47	1/2	1/2	1/2		1/2	
3/4	2,075.62	3/4	1,733.19	3/4	1,390.77	3/4	1,048.43	3/4	706.41	3/4	363.99	3/4	28.01	3/4	3/4	3/4		3/4	
4	2,068.49	4	1,726.06	4	1,383.63	4	1,041.31	4	699.27	4	356.86	4	23.55	4	4	4		4	
1/4	2,061.35	1/4	1,718.93	1/4	1,376.50	1/4	1,034.19	1/4	692.14	1/4	349.72	1/4	19.09	1/4	1/4	1/4		1/4	
1/2	2,054.22	1/2	1,711.79	1/2	1,369.36	1/2	1,027.07	1/2	685.01	1/2	342.59	1/2	14.63	1/2	1/2	1/2		1/2	
3/4	2,047.08	3/4	1,704.66	3/4	1,362.23	3/4	1,019.95	3/4	677.87	3/4	335.45	3/4		3/4	3/4	3/4		3/4	
5	2,039.95	5	1,697.52	5	1,355.10	5	1,012.83	5	670.74	5	328.32	5		5	5	5		5	
1/4	2,032.82	1/4	1,690.39	1/4	1,347.96	1/4	1,005.71	1/4	663.60	1/4	321.19	1/4		1/4	1/4	1/4		1/4	
1/2	2,025.68	1/2	1,683.26	1/2	1,340.83	1/2	998.59	1/2	656.47	1/2	314.05	1/2		1/2	1/2	1/2		1/2	
3/4	2,018.55	3/4	1,676.12	3/4	1,333.69	3/4	991.47	3/4	649.34	3/4	306.92	3/4		3/4	3/4	3/4		3/4	
6	2,011.42	6	1,668.99	6	1,326.56	6	984.35	6	642.20	6	299.79	6		6	6	6		6	
1/4	2,004.28	1/4	1,661.85	1/4	1,319.43	1/4	977.23	1/4	635.07	1/4	292.65	1/4		1/4	1/4	1/4		1/4	
1/2	1,997.15	1/2	1,654.72	1/2	1,312.29	1/2	970.11	1/2	627.94	1/2	285.52	1/2		1/2	1/2	1/2		1/2	
3/4	1,990.01	3/4	1,647.59	3/4	1,305.16	3/4	962.99	3/4	620.80	3/4	278.38	3/4		3/4	3/4	3/4		3/4	
7	1,982.88	7	1,640.45	7	1,298.03	7	955.87	7	613.67	7	271.25	7		7	7	7		7	
1/4	1,975.75	1/4	1,633.32	1/4	1,290.89	1/4	948.75	1/4	606.53	1/4	264.12	1/4		1/4	1/4	1/4		1/4	
1/2	1,968.61	1/2	1,626.18	1/2	1,283.76	1/2	941.63	1/2	599.40	1/2	256.98	1/2		1/2	1/2	1/2		1/2	
3/4	1,961.48	3/4	1,619.05	3/4	1,276.62	3/4	934.51	3/4	592.27	3/4	249.85	3/4		3/4	3/4	3/4		3/4	
8	1,954.34	8	1,611.92	8	1,269.49	8	927.39	8	585.13	8	242.72	8		8	8	8		8	
1/4	1,947.21	1/4	1,604.78	1/4	1,262.36	1/4	920.27	1/4	578.00	1/4	235.58	1/4		1/4	1/4	1/4		1/4	
1/2	1,940.08	1/2	1,597.65	1/2	1,255.22	1/2	913.15	1/2	570.87	1/2	228.45	1/2		1/2	1/2	1/2		1/2	
3/4	1,932.94	3/4	1,590.52	3/4	1,248.09	3/4	906.03	3/4	563.73	3/4	221.31	3/4		3/4	3/4	3/4		3/4	
9	1,925.81	9	1,583.38	9	1,240.95	9	898.91	9	556.60	9	214.18	9		9	9	9		9	
1/4	1,918.67	1/4	1,576.25	1/4	1,233.82	1/4	891.79	1/4	549.46	1/4	207.05	1/4		1/4	1/4	1/4		1/4	
1/2	1,911.54	1/2	1,569.11	1/2	1,226.69	1/2	884.67	1/2	542.33	1/2	199.91	1/2		1/2	1/2	1/2		1/2	
3/4	1,904.41	3/4	1,561.98	3/4	1,219.55	3/4	877.56	3/4	535.20	3/4	192.78	3/4		3/4	3/4	3/4		3/4	
10	1,897.27	10	1,554.85	10	1,212.42	10	870.44	10	528.06	10	185.65	10		10	10	10		10	
1/4	1,890.14	1/4	1,547.71	1/4	1,205.28	1/4	863.32	1/4	520.93	1/4	178.51	1/4		1/4	1/4	1/4		1/4	
1/2	1,883.01	1/2	1,540.58	1/2	1,198.15	1/2	856.20	1/2	513.80	1/2	171.38	1/2		1/2	1/2	1/2		1/2	
3/4	1,875.87	3/4	1,533.44	3/4	1,191.02	3/4	849.07	3/4	506.66	3/4	164.25	3/4		3/4	3/4	3/4		3/4	
11	1,868.74	11	1,526.31	11	1,183.88	11	841.94	11	499.53	11	157.11	11		11	11	11		11	
1/4	1,861.60	1/4	1,519.18	1/4	1,176.75	1/4	834.81	1/4	492.40	1/4	149.98	1/4		1/4	1/4	1/4		1/4	
1/2	1,854.47	1/2	1,512.04	1/2	1,169.62	1/2	827.68	1/2	485.26	1/2	142.84	1/2		1/2	1/2	1/2		1/2	
3/4	1,847.34	3/4	1,504.91	3/4	1,162.48	3/4	820.55	3/4	478.13	3/4	135.71	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-03"

July 28, 2021

**PRECISION MEASUREMENT
& ANALYSIS, INC.**
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BARGE "MPX 423"

1 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.64	0	290.62	0	624.88	0	965.56	0	1,307.22	0	1,649.70	0	1,992.19	0	2,334.67	0	2,677.15	0	3,019.60
1/4	17.55	1/4	297.21	1/4	632.02	1/4	972.64	1/4	1,314.35	1/4	1,656.84	1/4	1,999.32	1/4	2,341.81	1/4	2,684.29	1/4	3,026.73
1/2	20.47	1/2	303.81	1/2	639.15	1/2	979.71	1/2	1,321.49	1/2	1,663.97	1/2	2,006.46	1/2	2,348.94	1/2	2,691.42	1/2	3,033.86
3/4	23.39	3/4	310.40	3/4	646.29	3/4	986.79	3/4	1,328.62	3/4	1,671.11	3/4	2,013.59	3/4	2,356.08	3/4	2,698.56	3/4	3,040.99
1	26.30	1	316.99	1	653.42	1	993.86	1	1,335.76	1	1,678.24	1	2,020.73	1	2,363.21	1	2,705.69	1	3,048.13
1/4	31.09	1/4	323.67	1/4	660.56	1/4	1,000.94	1/4	1,342.89	1/4	1,685.38	1/4	2,027.86	1/4	2,370.35	1/4	2,712.82	1/4	3,055.26
1/2	35.87	1/2	330.34	1/2	667.69	1/2	1,008.01	1/2	1,350.03	1/2	1,692.51	1/2	2,035.00	1/2	2,377.48	1/2	2,719.96	1/2	3,062.39
3/4	40.65	3/4	337.02	3/4	674.83	3/4	1,015.09	3/4	1,357.16	3/4	1,699.65	3/4	2,042.13	3/4	2,384.62	3/4	2,727.09	3/4	3,069.53
2	45.43	2	343.70	2	681.96	2	1,022.16	2	1,364.30	2	1,706.78	2	2,049.27	2	2,391.75	2	2,734.23	2	3,076.66
1/4	51.16	1/4	350.46	1/4	689.09	1/4	1,029.24	1/4	1,371.43	1/4	1,713.92	1/4	2,056.40	1/4	2,398.89	1/4	2,741.36	1/4	3,083.79
1/2	56.88	1/2	357.22	1/2	696.23	1/2	1,036.33	1/2	1,378.57	1/2	1,721.05	1/2	2,063.54	1/2	2,406.02	1/2	2,748.50	1/2	3,090.92
3/4	62.60	3/4	363.98	3/4	703.36	3/4	1,043.41	3/4	1,385.70	3/4	1,728.19	3/4	2,070.67	3/4	2,413.16	3/4	2,755.63	3/4	3,098.06
3	68.33	3	370.74	3	710.50	3	1,050.49	3	1,392.84	3	1,735.32	3	2,077.81	3	2,420.29	3	2,762.76	3	3,105.19
1/4	74.16	1/4	377.58	1/4	717.63	1/4	1,057.59	1/4	1,399.97	1/4	1,742.46	1/4	2,084.94	1/4	2,427.43	1/4	2,769.90	1/4	3,112.32
1/2	79.99	1/2	384.42	1/2	724.77	1/2	1,064.69	1/2	1,407.11	1/2	1,749.59	1/2	2,092.08	1/2	2,434.56	1/2	2,777.03	1/2	3,119.45
3/4	85.82	3/4	391.27	3/4	731.90	3/4	1,071.79	3/4	1,414.25	3/4	1,756.73	3/4	2,099.21	3/4	2,441.70	3/4	2,784.17	3/4	3,126.59
4	91.65	4	398.11	4	739.04	4	1,078.90	4	1,421.38	4	1,763.87	4	2,106.35	4	2,448.83	4	2,791.30	4	3,133.72
1/4	97.58	1/4	405.04	1/4	746.14	1/4	1,086.03	1/4	1,428.52	1/4	1,771.00	1/4	2,113.48	1/4	2,455.97	1/4	2,798.44	1/4	3,140.85
1/2	103.50	1/2	411.96	1/2	753.24	1/2	1,093.17	1/2	1,435.65	1/2	1,778.14	1/2	2,120.62	1/2	2,463.10	1/2	2,805.57	1/2	3,147.99
3/4	109.43	3/4	418.89	3/4	760.34	3/4	1,100.30	3/4	1,442.79	3/4	1,785.27	3/4	2,127.76	3/4	2,470.24	3/4	2,812.71	3/4	3,155.12
5	115.35	5	425.81	5	767.44	5	1,107.44	5	1,449.92	5	1,792.41	5	2,134.89	5	2,477.37	5	2,819.84	5	3,162.25
1/4	121.36	1/4	432.82	1/4	774.52	1/4	1,114.57	1/4	1,457.06	1/4	1,799.54	1/4	2,142.03	1/4	2,484.51	1/4	2,826.97	1/4	3,169.38
1/2	127.37	1/2	439.82	1/2	781.61	1/2	1,121.71	1/2	1,464.19	1/2	1,806.68	1/2	2,149.16	1/2	2,491.65	1/2	2,834.11	1/2	3,176.52
3/4	133.38	3/4	446.83	3/4	788.69	3/4	1,128.84	3/4	1,471.33	3/4	1,813.81	3/4	2,156.30	3/4	2,498.78	3/4	2,841.24	3/4	3,183.65
6	139.39	6	453.83	6	795.77	6	1,135.98	6	1,478.46	6	1,820.95	6	2,163.43	6	2,505.92	6	2,848.38	6	3,190.78
1/4	145.48	1/4	460.92	1/4	802.85	1/4	1,143.11	1/4	1,485.60	1/4	1,828.08	1/4	2,170.57	1/4	2,513.05	1/4	2,855.51	1/4	3,197.91
1/2	151.58	1/2	468.01	1/2	809.92	1/2	1,150.25	1/2	1,492.73	1/2	1,835.22	1/2	2,177.70	1/2	2,520.19	1/2	2,862.65	1/2	3,205.05
3/4	157.67	3/4	475.10	3/4	817.00	3/4	1,157.38	3/4	1,499.87	3/4	1,842.35	3/4	2,184.84	3/4	2,527.32	3/4	2,869.78	3/4	3,212.18
7	163.76	7	482.19	7	824.07	7	1,164.52	7	1,507.00	7	1,849.49	7	2,191.97	7	2,534.46	7	2,876.92	7	3,219.31
1/4	169.94	1/4	489.32	1/4	831.14	1/4	1,171.65	1/4	1,514.14	1/4	1,856.62	1/4	2,199.11	1/4	2,541.59	1/4	2,884.05	1/4	3,226.44
1/2	176.11	1/2	496.46	1/2	838.22	1/2	1,178.79	1/2	1,521.27	1/2	1,863.76	1/2	2,206.24	1/2	2,548.73	1/2	2,891.18	1/2	3,233.58
3/4	182.29	3/4	503.59	3/4	845.29	3/4	1,185.92	3/4	1,528.41	3/4	1,870.89	3/4	2,213.38	3/4	2,555.86	3/4	2,898.32	3/4	3,240.71
8	188.47	8	510.72	8	852.37	8	1,193.06	8	1,535.54	8	1,878.03	8	2,220.51	8	2,563.00	8	2,905.45	8	3,247.84
1/4	194.73	1/4	517.86	1/4	859.44	1/4	1,200.19	1/4	1,542.68	1/4	1,885.16	1/4	2,227.65	1/4	2,570.13	1/4	2,912.59	1/4	3,254.98
1/2	200.99	1/2	524.99	1/2	866.52	1/2	1,207.33	1/2	1,549.81	1/2	1,892.30	1/2	2,234.78	1/2	2,577.27	1/2	2,919.72	1/2	3,262.11
3/4	207.24	3/4	532.13	3/4	873.59	3/4	1,214.46	3/4	1,556.95	3/4	1,899.43	3/4	2,241.92	3/4	2,584.40	3/4	2,926.86	3/4	3,269.24
9	213.50	9	539.26	9	880.67	9	1,221.60	9	1,564.08	9	1,906.57	9	2,249.05	9	2,591.54	9	2,933.99	9	3,276.37
1/4	219.85	1/4	546.40	1/4	887.74	1/4	1,228.73	1/4	1,571.22	1/4	1,913.70	1/4	2,256.19	1/4	2,598.67	1/4	2,941.12	1/4	3,283.51
1/2	226.19	1/2	553.53	1/2	894.82	1/2	1,235.87	1/2	1,578.35	1/2	1,920.84	1/2	2,263.32	1/2	2,605.81	1/2	2,948.26	1/2	3,290.64
3/4	232.53	3/4	560.67	3/4	901.89	3/4	1,243.00	3/4	1,585.49	3/4	1,927.97	3/4	2,270.46	3/4	2,612.94	3/4	2,955.39	3/4	3,297.77
10	238.88	10	567.80	10	908.97	10	1,250.14	10	1,592.62	10	1,935.11	10	2,277.59	10	2,620.08	10	2,962.53	10	3,304.90
1/4	245.30	1/4	574.94	1/4	916.04	1/4	1,257.27	1/4	1,599.76	1/4	1,942.24	1/4	2,284.73	1/4	2,627.21	1/4	2,969.66	1/4	3,312.04
1/2	251.73	1/2	582.07	1/2	923.11	1/2	1,264.41	1/2	1,606.89	1/2	1,949.38	1/2	2,291.86	1/2	2,634.35	1/2	2,976.80	1/2	3,319.17
3/4	258.15	3/4	589.21	3/4	930.19	3/4	1,271.54	3/4	1,614.03	3/4	1,956.51	3/4	2,299.00	3/4	2,641.48	3/4	2,983.93	3/4	3,326.30
11	264.58	11	596.34	11	937.26	11	1,278.68	11	1,621.16	11	1,963.65	11	2,306.13	11	2,648.61	11	2,991.07	11	3,333.44
1/4	271.09	1/4	603.48	1/4	944.34	1/4	1,285.81	1/4	1,628.30	1/4	1,970.78	1/4	2,313.27	1/4	2,655.75	1/4	2,998.20	1/4	3,340.57
1/2	277.60	1/2	610.61	1/2	951.41	1/2	1,292.95	1/2	1,635.43	1/2	1,977.92	1/2	2,320.40	1/2	2,662.88	1/2	3,005.33	1/2	3,347.70
3/4	284.11	3/4	617.75	3/4	958.49	3/4	1,300.08	3/4	1,642.57	3/4	1,985.05	3/4	2,327.54	3/4	2,670.02	3/4	3,012.46	3/4	3,354.83

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 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "MPX 423"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,361.97	0	3,704.36	0	4,046.81	0	4,388.62	0	4,729.52	0		0		0		0		0	
1/4	3,369.10	1/4	3,711.49	1/4	4,053.95	1/4	4,395.72	1/4	4,736.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,376.23	1/2	3,718.63	1/2	4,061.08	1/2	4,402.83	1/2	4,743.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,383.36	3/4	3,725.76	3/4	4,068.22	3/4	4,409.93	3/4	4,750.83	3/4		3/4		3/4		3/4		3/4	
1	3,390.50	1	3,732.90	1	4,075.35	1	4,417.03	1	4,757.93	1		1		1		1		1	
1/4	3,397.63	1/4	3,740.03	1/4	4,082.49	1/4	4,424.13	1/4	4,765.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,404.76	1/2	3,747.16	1/2	4,089.62	1/2	4,431.23	1/2	4,772.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,411.90	3/4	3,754.30	3/4	4,096.75	3/4	4,438.34	3/4	4,779.24	3/4		3/4		3/4		3/4		3/4	
2	3,419.03	2	3,761.43	2	4,103.89	2	4,445.44	2	4,786.34	2		2		2		2		2	
1/4	3,426.16	1/4	3,768.57	1/4	4,111.02	1/4	4,452.54	1/4	4,793.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,433.29	1/2	3,775.70	1/2	4,118.16	1/2	4,459.64	1/2	4,800.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,440.43	3/4	3,782.84	3/4	4,125.29	3/4	4,466.74	3/4	4,807.65	3/4		3/4		3/4		3/4		3/4	
3	3,447.56	3	3,789.97	3	4,132.43	3	4,473.85	3	4,814.75	3		3		3		3		3	
1/4	3,454.69	1/4	3,797.11	1/4	4,139.56	1/4	4,480.95	1/4	4,821.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,461.82	1/2	3,804.24	1/2	4,146.70	1/2	4,488.05	1/2	4,828.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,468.96	3/4	3,811.37	3/4	4,153.83	3/4	4,495.15	3/4	4,835.92	3/4		3/4		3/4		3/4		3/4	
4	3,476.09	4	3,818.51	4	4,160.97	4	4,502.26	4	4,842.98	4		4		4		4		4	
1/4	3,483.22	1/4	3,825.64	1/4	4,168.10	1/4	4,509.36	1/4	4,850.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,490.35	1/2	3,832.78	1/2	4,175.23	1/2	4,516.46	1/2	4,857.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,497.49	3/4	3,839.91	3/4	4,182.37	3/4	4,523.56	3/4	4,864.15	3/4		3/4		3/4		3/4		3/4	
5	3,504.62	5	3,847.05	5	4,189.50	5	4,530.66	5	4,871.20	5		5		5		5		5	
1/4	3,511.75	1/4	3,854.18	1/4	4,196.64	1/4	4,537.77	1/4	4,878.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,518.89	1/2	3,861.32	1/2	4,203.77	1/2	4,544.87	1/2	4,885.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,526.02	3/4	3,868.45	3/4	4,210.91	3/4	4,551.97	3/4	4,892.37	3/4		3/4		3/4		3/4		3/4	
6	3,533.15	6	3,875.59	6	4,218.04	6	4,559.07	6	4,899.43	6		6		6		6		6	
1/4	3,540.28	1/4	3,882.72	1/4	4,225.18	1/4	4,566.17	1/4	4,906.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,547.42	1/2	3,889.85	1/2	4,232.31	1/2	4,573.28	1/2	4,913.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,554.55	3/4	3,896.99	3/4	4,239.44	3/4	4,580.38	3/4	4,920.56	3/4		3/4		3/4		3/4		3/4	
7	3,561.68	7	3,904.12	7	4,246.58	7	4,587.48	7	4,927.60	7		7		7		7		7	
1/4	3,568.81	1/4	3,911.26	1/4	4,253.68	1/4	4,594.58	1/4	4,934.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,575.95	1/2	3,918.39	1/2	4,260.78	1/2	4,601.68	1/2	4,941.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,583.08	3/4	3,925.53	3/4	4,267.89	3/4	4,608.79	3/4	4,948.57	3/4		3/4		3/4		3/4		3/4	
8	3,590.21	8	3,932.66	8	4,274.99	8	4,615.89	8	4,955.56	8		8		8		8		8	
1/4	3,597.35	1/4	3,939.80	1/4	4,282.09	1/4	4,622.99	1/4	4,961.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,604.48	1/2	3,946.93	1/2	4,289.19	1/2	4,630.09	1/2	4,967.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,611.61	3/4	3,954.06	3/4	4,296.29	3/4	4,637.19	3/4	4,974.05	3/4		3/4		3/4		3/4		3/4	
9	3,618.74	9	3,961.20	9	4,303.40	9	4,644.30	9	4,980.22	9		9		9		9		9	
1/4	3,625.88	1/4	3,968.33	1/4	4,310.50	1/4	4,651.40	1/4	4,985.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,633.01	1/2	3,975.47	1/2	4,317.60	1/2	4,658.50	1/2	4,990.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,640.15	3/4	3,982.60	3/4	4,324.70	3/4	4,665.60	3/4	4,995.15	3/4		3/4		3/4		3/4		3/4	
10	3,647.28	10	3,989.74	10	4,331.80	10	4,672.71	10	5,000.12	10		10		10		10		10	
1/4	3,654.42	1/4	3,996.87	1/4	4,338.91	1/4	4,679.81	1/4	5,003.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,661.55	1/2	4,004.01	1/2	4,346.01	1/2	4,686.91	1/2	5,007.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,668.68	3/4	4,011.14	3/4	4,353.11	3/4	4,694.01	3/4	5,011.48	3/4		3/4		3/4		3/4		3/4	
11	3,675.82	11	4,018.28	11	4,360.21	11	4,701.11	11	5,015.27	11		11		11		11		11	
1/4	3,682.95	1/4	4,025.41	1/4	4,367.32	1/4	4,708.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,690.09	1/2	4,032.54	1/2	4,374.42	1/2	4,715.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,697.22	3/4	4,039.68	3/4	4,381.52	3/4	4,722.42	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

1 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.64	0	290.62	0	624.96	0	967.26	0	1,309.72	0	1,652.25	0	1,994.78	0	2,337.30	0	2,679.83	0	3,022.33
1/4	17.55	1/4	297.21	1/4	632.09	1/4	974.39	1/4	1,316.86	1/4	1,659.38	1/4	2,001.91	1/4	2,344.44	1/4	2,686.96	1/4	3,029.47
1/2	20.47	1/2	303.80	1/2	639.23	1/2	981.52	1/2	1,323.99	1/2	1,666.52	1/2	2,009.05	1/2	2,351.58	1/2	2,694.10	1/2	3,036.60
3/4	23.39	3/4	310.40	3/4	646.36	3/4	988.65	3/4	1,331.13	3/4	1,673.66	3/4	2,016.18	3/4	2,358.71	3/4	2,701.24	3/4	3,043.74
1	26.30	1	316.99	1	653.50	1	995.77	1	1,338.26	1	1,680.79	1	2,023.32	1	2,365.85	1	2,708.37	1	3,050.87
1/4	31.08	1/4	323.67	1/4	660.63	1/4	1,002.90	1/4	1,345.40	1/4	1,687.93	1/4	2,030.46	1/4	2,372.98	1/4	2,715.51	1/4	3,058.00
1/2	35.87	1/2	330.34	1/2	667.77	1/2	1,010.03	1/2	1,352.54	1/2	1,695.06	1/2	2,037.59	1/2	2,380.12	1/2	2,722.64	1/2	3,065.14
3/4	40.65	3/4	337.02	3/4	674.91	3/4	1,017.15	3/4	1,359.67	3/4	1,702.20	3/4	2,044.73	3/4	2,387.26	3/4	2,729.78	3/4	3,072.27
2	45.43	2	343.70	2	682.04	2	1,024.28	2	1,366.81	2	1,709.34	2	2,051.86	2	2,394.39	2	2,736.91	2	3,079.40
1/4	51.15	1/4	350.46	1/4	689.18	1/4	1,031.42	1/4	1,373.94	1/4	1,716.47	1/4	2,059.00	1/4	2,401.53	1/4	2,744.05	1/4	3,086.54
1/2	56.88	1/2	357.22	1/2	696.31	1/2	1,038.55	1/2	1,381.08	1/2	1,723.61	1/2	2,066.14	1/2	2,408.66	1/2	2,751.19	1/2	3,093.67
3/4	62.60	3/4	363.98	3/4	703.45	3/4	1,045.69	3/4	1,388.22	3/4	1,730.74	3/4	2,073.27	3/4	2,415.80	3/4	2,758.32	3/4	3,100.80
3	68.32	3	370.74	3	710.58	3	1,052.82	3	1,395.35	3	1,737.88	3	2,080.41	3	2,422.94	3	2,765.46	3	3,107.94
1/4	74.15	1/4	377.58	1/4	717.72	1/4	1,059.96	1/4	1,402.49	1/4	1,745.02	1/4	2,087.54	1/4	2,430.07	1/4	2,772.59	1/4	3,115.07
1/2	79.98	1/2	384.43	1/2	724.86	1/2	1,067.10	1/2	1,409.62	1/2	1,752.15	1/2	2,094.68	1/2	2,437.21	1/2	2,779.73	1/2	3,122.20
3/4	85.82	3/4	391.27	3/4	731.99	3/4	1,074.23	3/4	1,416.76	3/4	1,759.29	3/4	2,101.82	3/4	2,444.34	3/4	2,786.86	3/4	3,129.34
4	91.65	4	398.11	4	739.13	4	1,081.37	4	1,423.90	4	1,766.42	4	2,108.95	4	2,451.48	4	2,794.00	4	3,136.47
1/4	97.57	1/4	405.04	1/4	746.26	1/4	1,088.50	1/4	1,431.03	1/4	1,773.56	1/4	2,116.09	1/4	2,458.62	1/4	2,801.14	1/4	3,143.61
1/2	103.50	1/2	411.97	1/2	753.40	1/2	1,095.64	1/2	1,438.17	1/2	1,780.70	1/2	2,123.22	1/2	2,465.75	1/2	2,808.27	1/2	3,150.74
3/4	109.42	3/4	418.90	3/4	760.53	3/4	1,102.78	3/4	1,445.30	3/4	1,787.83	3/4	2,130.36	3/4	2,472.89	3/4	2,815.41	3/4	3,157.87
5	115.35	5	425.82	5	767.67	5	1,109.91	5	1,452.44	5	1,794.97	5	2,137.50	5	2,480.02	5	2,822.54	5	3,165.01
1/4	121.36	1/4	432.83	1/4	774.81	1/4	1,117.05	1/4	1,459.58	1/4	1,802.10	1/4	2,144.63	1/4	2,487.16	1/4	2,829.68	1/4	3,172.14
1/2	127.37	1/2	439.84	1/2	781.94	1/2	1,124.18	1/2	1,466.71	1/2	1,809.24	1/2	2,151.77	1/2	2,494.30	1/2	2,836.81	1/2	3,179.27
3/4	133.37	3/4	446.86	3/4	789.08	3/4	1,131.32	3/4	1,473.85	3/4	1,816.38	3/4	2,158.90	3/4	2,501.43	3/4	2,843.95	3/4	3,186.41
6	139.38	6	453.87	6	796.21	6	1,138.46	6	1,480.98	6	1,823.51	6	2,166.04	6	2,508.57	6	2,851.09	6	3,193.54
1/4	145.48	1/4	460.96	1/4	803.34	1/4	1,145.59	1/4	1,488.12	1/4	1,830.65	1/4	2,173.18	1/4	2,515.70	1/4	2,858.22	1/4	3,200.67
1/2	151.57	1/2	468.05	1/2	810.47	1/2	1,152.73	1/2	1,495.26	1/2	1,837.78	1/2	2,180.31	1/2	2,522.84	1/2	2,865.36	1/2	3,207.81
3/4	157.66	3/4	475.15	3/4	817.60	3/4	1,159.86	3/4	1,502.39	3/4	1,844.92	3/4	2,187.45	3/4	2,529.98	3/4	2,872.49	3/4	3,214.94
7	163.76	7	482.24	7	824.72	7	1,167.00	7	1,509.53	7	1,852.06	7	2,194.58	7	2,537.11	7	2,879.63	7	3,222.08
1/4	169.93	1/4	489.38	1/4	831.85	1/4	1,174.14	1/4	1,516.66	1/4	1,859.19	1/4	2,201.72	1/4	2,544.25	1/4	2,886.76	1/4	3,229.21
1/2	176.11	1/2	496.51	1/2	838.98	1/2	1,181.27	1/2	1,523.80	1/2	1,866.33	1/2	2,208.86	1/2	2,551.38	1/2	2,893.90	1/2	3,236.34
3/4	182.28	3/4	503.65	3/4	846.10	3/4	1,188.41	3/4	1,530.94	3/4	1,873.46	3/4	2,215.99	3/4	2,558.52	3/4	2,901.04	3/4	3,243.48
8	188.46	8	510.79	8	853.23	8	1,195.54	8	1,538.07	8	1,880.60	8	2,223.13	8	2,565.66	8	2,908.17	8	3,250.61
1/4	194.72	1/4	517.92	1/4	860.36	1/4	1,202.68	1/4	1,545.21	1/4	1,887.74	1/4	2,230.26	1/4	2,572.79	1/4	2,915.31	1/4	3,257.74
1/2	200.98	1/2	525.06	1/2	867.48	1/2	1,209.82	1/2	1,552.34	1/2	1,894.87	1/2	2,237.40	1/2	2,579.93	1/2	2,922.44	1/2	3,264.88
3/4	207.24	3/4	532.19	3/4	874.61	3/4	1,216.95	3/4	1,559.48	3/4	1,902.01	3/4	2,244.54	3/4	2,587.06	3/4	2,929.58	3/4	3,272.01
9	213.50	9	539.33	9	881.74	9	1,224.09	9	1,566.62	9	1,909.14	9	2,251.67	9	2,594.20	9	2,936.71	9	3,279.14
1/4	219.84	1/4	546.46	1/4	888.87	1/4	1,231.22	1/4	1,573.75	1/4	1,916.28	1/4	2,258.81	1/4	2,601.34	1/4	2,943.85	1/4	3,286.28
1/2	226.18	1/2	553.60	1/2	895.99	1/2	1,238.36	1/2	1,580.89	1/2	1,923.42	1/2	2,265.94	1/2	2,608.47	1/2	2,950.99	1/2	3,293.41
3/4	232.53	3/4	560.74	3/4	903.12	3/4	1,245.50	3/4	1,588.02	3/4	1,930.55	3/4	2,273.08	3/4	2,615.61	3/4	2,958.12	3/4	3,300.54
10	238.87	10	567.87	10	910.25	10	1,252.63	10	1,595.16	10	1,937.69	10	2,280.22	10	2,622.74	10	2,965.26	10	3,307.68
1/4	245.30	1/4	575.01	1/4	917.37	1/4	1,259.77	1/4	1,602.30	1/4	1,944.82	1/4	2,287.35	1/4	2,629.88	1/4	2,972.39	1/4	3,314.81
1/2	251.72	1/2	582.14	1/2	924.50	1/2	1,266.90	1/2	1,609.43	1/2	1,951.96	1/2	2,294.49	1/2	2,637.01	1/2	2,979.53	1/2	3,321.95
3/4	258.15	3/4	589.28	3/4	931.63	3/4	1,274.04	3/4	1,616.57	3/4	1,959.10	3/4	2,301.62	3/4	2,644.15	3/4	2,986.66	3/4	3,329.08
11	264.58	11	596.41	11	938.76	11	1,281.18	11	1,623.70	11	1,966.23	11	2,308.76	11	2,651.29	11	2,993.80	11	3,336.21
1/4	271.09	1/4	603.55	1/4	945.88	1/4	1,288.31	1/4	1,630.84	1/4	1,973.37	1/4	2,315.90	1/4	2,658.42	1/4	3,000.93	1/4	3,343.35
1/2	277.60	1/2	610.68	1/2	953.01	1/2	1,295.45	1/2	1,637.98	1/2	1,980.50	1/2	2,323.03	1/2	2,665.56	1/2	3,008.07	1/2	3,350.48
3/4	284.11	3/4	617.82	3/4	960.14	3/4	1,302.58	3/4	1,645.11	3/4	1,987.64	3/4	2,330.17	3/4	2,672.69	3/4	3,015.20	3/4	3,357.61

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "MPX 423"

**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	3,364.75	0	3,707.18	0	4,049.69	0	4,391.55	0	4,732.49	0		0		0		0		0	
1/4	3,371.88	1/4	3,714.32	1/4	4,056.83	1/4	4,398.65	1/4	4,739.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,379.01	1/2	3,721.46	1/2	4,063.96	1/2	4,405.76	1/2	4,746.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,386.15	3/4	3,728.59	3/4	4,071.10	3/4	4,412.86	3/4	4,753.80	3/4		3/4		3/4		3/4		3/4	
1	3,393.28	1	3,735.73	1	4,078.24	1	4,419.96	1	4,760.91	1		1		1		1		1	
1/4	3,400.42	1/4	3,742.86	1/4	4,085.37	1/4	4,427.06	1/4	4,768.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,407.55	1/2	3,750.00	1/2	4,092.51	1/2	4,434.17	1/2	4,775.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,414.68	3/4	3,757.13	3/4	4,099.64	3/4	4,441.27	3/4	4,782.21	3/4		3/4		3/4		3/4		3/4	
2	3,421.82	2	3,764.27	2	4,106.78	2	4,448.37	2	4,789.32	2		2		2		2		2	
1/4	3,428.95	1/4	3,771.40	1/4	4,113.91	1/4	4,455.48	1/4	4,796.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,436.08	1/2	3,778.54	1/2	4,121.05	1/2	4,462.58	1/2	4,803.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,443.22	3/4	3,785.68	3/4	4,128.18	3/4	4,469.68	3/4	4,810.63	3/4		3/4		3/4		3/4		3/4	
3	3,450.35	3	3,792.81	3	4,135.32	3	4,476.79	3	4,817.73	3		3		3		3		3	
1/4	3,457.48	1/4	3,799.95	1/4	4,142.46	1/4	4,483.89	1/4	4,824.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,464.62	1/2	3,807.08	1/2	4,149.59	1/2	4,490.99	1/2	4,831.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,471.75	3/4	3,814.22	3/4	4,156.73	3/4	4,498.09	3/4	4,838.90	3/4		3/4		3/4		3/4		3/4	
4	3,478.88	4	3,821.35	4	4,163.86	4	4,505.20	4	4,845.96	4		4		4		4		4	
1/4	3,486.02	1/4	3,828.49	1/4	4,171.00	1/4	4,512.30	1/4	4,853.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,493.15	1/2	3,835.62	1/2	4,178.13	1/2	4,519.40	1/2	4,860.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,500.29	3/4	3,842.76	3/4	4,185.27	3/4	4,526.51	3/4	4,867.13	3/4		3/4		3/4		3/4		3/4	
5	3,507.42	5	3,849.90	5	4,192.40	5	4,533.61	5	4,874.19	5		5		5		5		5	
1/4	3,514.55	1/4	3,857.03	1/4	4,199.54	1/4	4,540.71	1/4	4,881.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,521.69	1/2	3,864.17	1/2	4,206.68	1/2	4,547.82	1/2	4,888.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,528.82	3/4	3,871.30	3/4	4,213.81	3/4	4,554.92	3/4	4,895.36	3/4		3/4		3/4		3/4		3/4	
6	3,535.95	6	3,878.44	6	4,220.95	6	4,562.02	6	4,902.42	6		6		6		6		6	
1/4	3,543.09	1/4	3,885.57	1/4	4,228.08	1/4	4,569.12	1/4	4,909.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,550.22	1/2	3,892.71	1/2	4,235.22	1/2	4,576.23	1/2	4,916.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,557.35	3/4	3,899.85	3/4	4,242.35	3/4	4,583.33	3/4	4,923.55	3/4		3/4		3/4		3/4		3/4	
7	3,564.49	7	3,906.98	7	4,249.49	7	4,590.43	7	4,930.59	7		7		7		7		7	
1/4	3,571.62	1/4	3,914.12	1/4	4,256.59	1/4	4,597.54	1/4	4,937.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,578.76	1/2	3,921.25	1/2	4,263.70	1/2	4,604.64	1/2	4,944.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,585.89	3/4	3,928.39	3/4	4,270.80	3/4	4,611.74	3/4	4,951.56	3/4		3/4		3/4		3/4		3/4	
8	3,593.02	8	3,935.52	8	4,277.90	8	4,618.85	8	4,958.55	8		8		8		8		8	
1/4	3,600.16	1/4	3,942.66	1/4	4,285.00	1/4	4,625.95	1/4	4,964.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,607.29	1/2	3,949.79	1/2	4,292.11	1/2	4,633.05	1/2	4,970.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,614.42	3/4	3,956.93	3/4	4,299.21	3/4	4,640.15	3/4	4,977.05	3/4		3/4		3/4		3/4		3/4	
9	3,621.56	9	3,964.07	9	4,306.31	9	4,647.26	9	4,983.22	9		9		9		9		9	
1/4	3,628.69	1/4	3,971.20	1/4	4,313.42	1/4	4,654.36	1/4	4,988.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,635.83	1/2	3,978.34	1/2	4,320.52	1/2	4,661.46	1/2	4,993.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,642.96	3/4	3,985.47	3/4	4,327.62	3/4	4,668.57	3/4	4,998.15	3/4		3/4		3/4		3/4		3/4	
10	3,650.10	10	3,992.61	10	4,334.73	10	4,675.67	10	5,003.12	10		10		10		10		10	
1/4	3,657.23	1/4	3,999.74	1/4	4,341.83	1/4	4,682.77	1/4	5,006.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,664.37	1/2	4,006.88	1/2	4,348.93	1/2	4,689.88	1/2	5,010.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.51	3/4	4,014.01	3/4	4,356.03	3/4	4,696.98	3/4	5,014.48	3/4		3/4		3/4		3/4		3/4	
11	3,678.64	11	4,021.15	11	4,363.14	11	4,704.08	11	5,018.27	11		11		11		11		11	
1/4	3,685.78	1/4	4,028.29	1/4	4,370.24	1/4	4,711.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,692.91	1/2	4,035.42	1/2	4,377.34	1/2	4,718.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,700.05	3/4	4,042.56	3/4	4,384.45	3/4	4,725.39	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

2 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.67	0	343.60	0	687.03	0	1,020.75	0	1,359.41	0	1,702.85	0	2,046.30	0	2,389.74	0	2,733.19	0	3,076.62
1/4	19.15	1/4	350.75	1/4	694.18	1/4	1,027.60	1/4	1,366.56	1/4	1,710.01	1/4	2,053.45	1/4	2,396.90	1/4	2,740.34	1/4	3,083.78
1/2	23.62	1/2	357.91	1/2	701.34	1/2	1,034.45	1/2	1,373.72	1/2	1,717.16	1/2	2,060.61	1/2	2,404.05	1/2	2,747.50	1/2	3,090.93
3/4	28.09	3/4	365.06	3/4	708.49	3/4	1,041.30	3/4	1,380.87	3/4	1,724.32	3/4	2,067.76	3/4	2,411.21	3/4	2,754.65	3/4	3,098.08
1	32.56	1	372.22	1	715.65	1	1,048.14	1	1,388.03	1	1,731.47	1	2,074.92	1	2,418.36	1	2,761.81	1	3,105.24
1/4	38.82	1/4	379.37	1/4	722.80	1/4	1,054.99	1/4	1,395.18	1/4	1,738.63	1/4	2,082.07	1/4	2,425.52	1/4	2,768.96	1/4	3,112.39
1/2	45.08	1/2	386.53	1/2	729.96	1/2	1,061.84	1/2	1,402.34	1/2	1,745.78	1/2	2,089.23	1/2	2,432.67	1/2	2,776.12	1/2	3,119.54
3/4	51.34	3/4	393.68	3/4	737.11	3/4	1,068.68	3/4	1,409.49	3/4	1,752.94	3/4	2,096.38	3/4	2,439.83	3/4	2,783.27	3/4	3,126.70
2	57.60	2	400.84	2	744.27	2	1,075.53	2	1,416.65	2	1,760.09	2	2,103.54	2	2,446.98	2	2,790.43	2	3,133.85
1/4	64.72	1/4	407.99	1/4	751.42	1/4	1,082.39	1/4	1,423.80	1/4	1,767.25	1/4	2,110.69	1/4	2,454.14	1/4	2,797.58	1/4	3,141.00
1/2	71.83	1/2	415.15	1/2	758.58	1/2	1,089.24	1/2	1,430.96	1/2	1,774.40	1/2	2,117.85	1/2	2,461.29	1/2	2,804.74	1/2	3,148.16
3/4	78.95	3/4	422.30	3/4	765.73	3/4	1,096.10	3/4	1,438.11	3/4	1,781.56	3/4	2,125.00	3/4	2,468.45	3/4	2,811.89	3/4	3,155.31
3	86.07	3	429.46	3	772.89	3	1,102.95	3	1,445.27	3	1,788.71	3	2,132.16	3	2,475.60	3	2,819.05	3	3,162.46
1/4	93.22	1/4	436.61	1/4	780.04	1/4	1,109.83	1/4	1,452.42	1/4	1,795.87	1/4	2,139.31	1/4	2,482.76	1/4	2,826.20	1/4	3,169.61
1/2	100.36	1/2	443.76	1/2	787.20	1/2	1,116.70	1/2	1,459.58	1/2	1,803.02	1/2	2,146.47	1/2	2,489.91	1/2	2,833.36	1/2	3,176.77
3/4	107.51	3/4	450.92	3/4	794.35	3/4	1,123.57	3/4	1,466.74	3/4	1,810.18	3/4	2,153.62	3/4	2,497.07	3/4	2,840.51	3/4	3,183.92
4	114.65	4	458.07	4	801.50	4	1,130.45	4	1,473.89	4	1,817.33	4	2,160.78	4	2,504.22	4	2,847.67	4	3,191.07
1/4	121.80	1/4	465.23	1/4	808.38	1/4	1,137.60	1/4	1,481.05	1/4	1,824.49	1/4	2,167.93	1/4	2,511.38	1/4	2,854.82	1/4	3,198.23
1/2	128.96	1/2	472.38	1/2	815.25	1/2	1,144.76	1/2	1,488.20	1/2	1,831.65	1/2	2,175.09	1/2	2,518.53	1/2	2,861.98	1/2	3,205.38
3/4	136.11	3/4	479.54	3/4	822.13	3/4	1,151.91	3/4	1,495.36	3/4	1,838.80	3/4	2,182.24	3/4	2,525.69	3/4	2,869.13	3/4	3,212.53
5	143.26	5	486.69	5	829.00	5	1,159.07	5	1,502.51	5	1,845.96	5	2,189.40	5	2,532.84	5	2,876.29	5	3,219.69
1/4	150.42	1/4	493.85	1/4	835.85	1/4	1,166.22	1/4	1,509.67	1/4	1,853.11	1/4	2,196.56	1/4	2,540.00	1/4	2,883.44	1/4	3,226.84
1/2	157.57	1/2	501.00	1/2	842.71	1/2	1,173.38	1/2	1,516.82	1/2	1,860.27	1/2	2,203.71	1/2	2,547.16	1/2	2,890.60	1/2	3,233.99
3/4	164.73	3/4	508.16	3/4	849.57	3/4	1,180.53	3/4	1,523.98	3/4	1,867.42	3/4	2,210.87	3/4	2,554.31	3/4	2,897.75	3/4	3,241.15
6	171.88	6	515.31	6	856.42	6	1,187.69	6	1,531.13	6	1,874.58	6	2,218.02	6	2,561.47	6	2,904.91	6	3,248.30
1/4	179.04	1/4	522.47	1/4	863.27	1/4	1,194.84	1/4	1,538.29	1/4	1,881.73	1/4	2,225.18	1/4	2,568.62	1/4	2,912.07	1/4	3,255.45
1/2	186.19	1/2	529.62	1/2	870.11	1/2	1,202.00	1/2	1,545.44	1/2	1,888.89	1/2	2,232.33	1/2	2,575.78	1/2	2,919.22	1/2	3,262.61
3/4	193.35	3/4	536.78	3/4	876.96	3/4	1,209.15	3/4	1,552.60	3/4	1,896.04	3/4	2,239.49	3/4	2,582.93	3/4	2,926.38	3/4	3,269.76
7	200.50	7	543.93	7	883.81	7	1,216.31	7	1,559.75	7	1,903.20	7	2,246.64	7	2,590.09	7	2,933.53	7	3,276.91
1/4	207.66	1/4	551.09	1/4	890.66	1/4	1,223.46	1/4	1,566.91	1/4	1,910.35	1/4	2,253.80	1/4	2,597.24	1/4	2,940.69	1/4	3,284.06
1/2	214.81	1/2	558.24	1/2	897.50	1/2	1,230.62	1/2	1,574.06	1/2	1,917.51	1/2	2,260.95	1/2	2,604.40	1/2	2,947.84	1/2	3,291.22
3/4	221.97	3/4	565.40	3/4	904.35	3/4	1,237.77	3/4	1,581.22	3/4	1,924.66	3/4	2,268.11	3/4	2,611.55	3/4	2,955.00	3/4	3,298.37
8	229.12	8	572.55	8	911.20	8	1,244.93	8	1,588.37	8	1,931.82	8	2,275.26	8	2,618.71	8	2,962.15	8	3,305.52
1/4	236.28	1/4	579.71	1/4	918.04	1/4	1,252.08	1/4	1,595.53	1/4	1,938.97	1/4	2,282.42	1/4	2,625.86	1/4	2,969.31	1/4	3,312.68
1/2	243.43	1/2	586.86	1/2	924.89	1/2	1,259.24	1/2	1,602.68	1/2	1,946.13	1/2	2,289.57	1/2	2,633.02	1/2	2,976.46	1/2	3,319.83
3/4	250.59	3/4	594.02	3/4	931.74	3/4	1,266.39	3/4	1,609.84	3/4	1,953.28	3/4	2,296.73	3/4	2,640.17	3/4	2,983.62	3/4	3,326.98
9	257.74	9	601.17	9	938.59	9	1,273.55	9	1,616.99	9	1,960.44	9	2,303.88	9	2,647.33	9	2,990.77	9	3,334.14
1/4	264.89	1/4	608.33	1/4	945.43	1/4	1,280.70	1/4	1,624.15	1/4	1,967.59	1/4	2,311.04	1/4	2,654.48	1/4	2,997.93	1/4	3,341.29
1/2	272.05	1/2	615.48	1/2	952.28	1/2	1,287.86	1/2	1,631.30	1/2	1,974.75	1/2	2,318.19	1/2	2,661.64	1/2	3,005.08	1/2	3,348.44
3/4	279.20	3/4	622.63	3/4	959.13	3/4	1,295.01	3/4	1,638.46	3/4	1,981.90	3/4	2,325.35	3/4	2,668.79	3/4	3,012.24	3/4	3,355.60
10	286.36	10	629.79	10	965.97	10	1,302.17	10	1,645.61	10	1,989.06	10	2,332.50	10	2,675.95	10	3,019.39	10	3,362.75
1/4	293.51	1/4	636.94	1/4	972.82	1/4	1,309.32	1/4	1,652.77	1/4	1,996.21	1/4	2,339.66	1/4	2,683.10	1/4	3,026.55	1/4	3,369.90
1/2	300.67	1/2	644.10	1/2	979.67	1/2	1,316.48	1/2	1,659.92	1/2	2,003.37	1/2	2,346.81	1/2	2,690.26	1/2	3,033.70	1/2	3,377.05
3/4	307.82	3/4	651.25	3/4	986.52	3/4	1,323.63	3/4	1,667.08	3/4	2,010.52	3/4	2,353.97	3/4	2,697.41	3/4	3,040.86	3/4	3,384.21
11	314.98	11	658.41	11	993.36	11	1,330.79	11	1,674.23	11	2,017.68	11	2,361.12	11	2,704.57	11	3,048.01	11	3,391.36
1/4	322.13	1/4	665.56	1/4	1,000.21	1/4	1,337.94	1/4	1,681.39	1/4	2,024.83	1/4	2,368.28	1/4	2,711.72	1/4	3,055.17	1/4	3,398.51
1/2	329.29	1/2	672.72	1/2	1,007.06	1/2	1,345.10	1/2	1,688.54	1/2	2,031.99	1/2	2,375.43	1/2	2,718.88	1/2	3,062.32	1/2	3,405.67
3/4	336.44	3/4	679.87	3/4	1,013.91	3/4	1,352.25	3/4	1,695.70	3/4	2,039.14	3/4	2,382.59	3/4	2,726.03	3/4	3,069.47	3/4	3,412.82

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 423"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,419.97	0	3,763.32	0	4,106.67	0	4,449.36	0	4,791.14	0		0		0		0		0	
1/4	3,427.13	1/4	3,770.48	1/4	4,113.82	1/4	4,456.48	1/4	4,798.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,434.28	1/2	3,777.63	1/2	4,120.98	1/2	4,463.60	1/2	4,805.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,441.43	3/4	3,784.78	3/4	4,128.13	3/4	4,470.72	3/4	4,812.50	3/4		3/4		3/4		3/4		3/4	
1	3,448.59	1	3,791.93	1	4,135.28	1	4,477.84	1	4,819.62	1		1		1		1		1	
1/4	3,455.74	1/4	3,799.09	1/4	4,142.44	1/4	4,484.97	1/4	4,826.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,462.89	1/2	3,806.24	1/2	4,149.59	1/2	4,492.09	1/2	4,833.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,470.04	3/4	3,813.39	3/4	4,156.74	3/4	4,499.21	3/4	4,840.98	3/4		3/4		3/4		3/4		3/4	
2	3,477.20	2	3,820.55	2	4,163.90	2	4,506.33	2	4,848.10	2		2		2		2		2	
1/4	3,484.35	1/4	3,827.70	1/4	4,171.05	1/4	4,513.45	1/4	4,855.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,491.50	1/2	3,834.85	1/2	4,178.20	1/2	4,520.57	1/2	4,862.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,498.66	3/4	3,842.01	3/4	4,185.35	3/4	4,527.69	3/4	4,869.46	3/4		3/4		3/4		3/4		3/4	
3	3,505.81	3	3,849.16	3	4,192.51	3	4,534.81	3	4,876.58	3		3		3		3		3	
1/4	3,512.96	1/4	3,856.31	1/4	4,199.66	1/4	4,541.93	1/4	4,883.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,520.12	1/2	3,863.47	1/2	4,206.81	1/2	4,549.05	1/2	4,890.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,527.27	3/4	3,870.62	3/4	4,213.97	3/4	4,556.17	3/4	4,897.81	3/4		3/4		3/4		3/4		3/4	
4	3,534.42	4	3,877.77	4	4,221.12	4	4,563.29	4	4,904.88	4		4		4		4		4	
1/4	3,541.58	1/4	3,884.92	1/4	4,228.27	1/4	4,570.41	1/4	4,911.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,548.73	1/2	3,892.08	1/2	4,235.43	1/2	4,577.53	1/2	4,919.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,555.88	3/4	3,899.23	3/4	4,242.58	3/4	4,584.65	3/4	4,926.11	3/4		3/4		3/4		3/4		3/4	
5	3,563.04	5	3,906.38	5	4,249.73	5	4,591.77	5	4,933.19	5		5		5		5		5	
1/4	3,570.19	1/4	3,913.54	1/4	4,256.89	1/4	4,598.89	1/4	4,940.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,577.34	1/2	3,920.69	1/2	4,264.04	1/2	4,606.01	1/2	4,947.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,584.49	3/4	3,927.84	3/4	4,271.19	3/4	4,613.13	3/4	4,954.40	3/4		3/4		3/4		3/4		3/4	
6	3,591.65	6	3,935.00	6	4,278.35	6	4,620.25	6	4,961.48	6		6		6		6		6	
1/4	3,598.80	1/4	3,942.15	1/4	4,285.50	1/4	4,627.37	1/4	4,968.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,605.95	1/2	3,949.30	1/2	4,292.65	1/2	4,634.49	1/2	4,975.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,613.11	3/4	3,956.46	3/4	4,299.80	3/4	4,641.61	3/4	4,982.66	3/4		3/4		3/4		3/4		3/4	
7	3,620.26	7	3,963.61	7	4,306.96	7	4,648.73	7	4,989.72	7		7		7		7		7	
1/4	3,627.41	1/4	3,970.76	1/4	4,314.08	1/4	4,655.85	1/4	4,996.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,634.57	1/2	3,977.92	1/2	4,321.20	1/2	4,662.97	1/2	5,003.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,641.72	3/4	3,985.07	3/4	4,328.32	3/4	4,670.09	3/4	5,010.74	3/4		3/4		3/4		3/4		3/4	
8	3,648.87	8	3,992.22	8	4,335.44	8	4,677.21	8	5,017.75	8		8		8		8		8	
1/4	3,656.03	1/4	3,999.37	1/4	4,342.56	1/4	4,684.33	1/4	5,023.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,663.18	1/2	4,006.53	1/2	4,349.68	1/2	4,691.45	1/2	5,030.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,670.33	3/4	4,013.68	3/4	4,356.80	3/4	4,698.57	3/4	5,036.29	3/4		3/4		3/4		3/4		3/4	
9	3,677.48	9	4,020.83	9	4,363.92	9	4,705.69	9	5,042.47	9		9		9		9		9	
1/4	3,684.64	1/4	4,027.99	1/4	4,371.04	1/4	4,712.81	1/4	5,047.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,691.79	1/2	4,035.14	1/2	4,378.16	1/2	4,719.94	1/2	5,052.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,698.94	3/4	4,042.29	3/4	4,385.28	3/4	4,727.06	3/4	5,057.44	3/4		3/4		3/4		3/4		3/4	
10	3,706.10	10	4,049.45	10	4,392.40	10	4,734.18	10	5,062.43	10		10		10		10		10	
1/4	3,713.25	1/4	4,056.60	1/4	4,399.52	1/4	4,741.30	1/4	5,066.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,720.40	1/2	4,063.75	1/2	4,406.64	1/2	4,748.42	1/2	5,070.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,727.56	3/4	4,070.91	3/4	4,413.76	3/4	4,755.54	3/4	5,073.81	3/4		3/4		3/4		3/4		3/4	
11	3,734.71	11	4,078.06	11	4,420.88	11	4,762.66	11	5,077.61	11		11		11		11		11	
1/4	3,741.86	1/4	4,085.21	1/4	4,428.00	1/4	4,769.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,749.02	1/2	4,092.36	1/2	4,435.12	1/2	4,776.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,756.17	3/4	4,099.52	3/4	4,442.24	3/4	4,784.02	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

2 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.68	0	343.68	0	687.19	0	1,030.36	0	1,373.75	0	1,717.27	0	2,060.80	0	2,404.33	0	2,747.85	0	3,091.37
1/4	19.15	1/4	350.84	1/4	694.35	1/4	1,037.50	1/4	1,380.90	1/4	1,724.43	1/4	2,067.96	1/4	2,411.48	1/4	2,755.01	1/4	3,098.53
1/2	23.62	1/2	357.99	1/2	701.51	1/2	1,044.64	1/2	1,388.06	1/2	1,731.59	1/2	2,075.11	1/2	2,418.64	1/2	2,762.17	1/2	3,105.68
3/4	28.10	3/4	365.15	3/4	708.66	3/4	1,051.78	3/4	1,395.22	3/4	1,738.74	3/4	2,082.27	3/4	2,425.80	3/4	2,769.32	3/4	3,112.84
1	32.57	1	372.31	1	715.82	1	1,058.93	1	1,402.37	1	1,745.90	1	2,089.43	1	2,432.95	1	2,776.48	1	3,119.99
1/4	38.83	1/4	379.46	1/4	722.98	1/4	1,066.07	1/4	1,409.53	1/4	1,753.06	1/4	2,096.58	1/4	2,440.11	1/4	2,783.64	1/4	3,127.14
1/2	45.09	1/2	386.62	1/2	730.13	1/2	1,073.21	1/2	1,416.69	1/2	1,760.21	1/2	2,103.74	1/2	2,447.27	1/2	2,790.79	1/2	3,134.30
3/4	51.35	3/4	393.78	3/4	737.29	3/4	1,080.36	3/4	1,423.84	3/4	1,767.37	3/4	2,110.90	3/4	2,454.42	3/4	2,797.95	3/4	3,141.45
2	57.61	2	400.93	2	744.44	2	1,087.50	2	1,431.00	2	1,774.53	2	2,118.05	2	2,461.58	2	2,805.11	2	3,148.61
1/4	64.73	1/4	408.09	1/4	751.60	1/4	1,094.65	1/4	1,438.16	1/4	1,781.68	1/4	2,125.21	1/4	2,468.74	1/4	2,812.26	1/4	3,155.76
1/2	71.85	1/2	415.25	1/2	758.76	1/2	1,101.80	1/2	1,445.31	1/2	1,788.84	1/2	2,132.37	1/2	2,475.89	1/2	2,819.42	1/2	3,162.92
3/4	78.97	3/4	422.40	3/4	765.91	3/4	1,108.95	3/4	1,452.47	3/4	1,796.00	3/4	2,139.52	3/4	2,483.05	3/4	2,826.58	3/4	3,170.07
3	86.09	3	429.56	3	773.07	3	1,116.10	3	1,459.63	3	1,803.15	3	2,146.68	3	2,490.21	3	2,833.73	3	3,177.23
1/4	93.24	1/4	436.72	1/4	780.23	1/4	1,123.26	1/4	1,466.79	1/4	1,810.31	1/4	2,153.84	1/4	2,497.36	1/4	2,840.89	1/4	3,184.38
1/2	100.39	1/2	443.87	1/2	787.38	1/2	1,130.42	1/2	1,473.94	1/2	1,817.47	1/2	2,160.99	1/2	2,504.52	1/2	2,848.05	1/2	3,191.54
3/4	107.53	3/4	451.03	3/4	794.54	3/4	1,137.57	3/4	1,481.10	3/4	1,824.63	3/4	2,168.15	3/4	2,511.68	3/4	2,855.20	3/4	3,198.69
4	114.68	4	458.18	4	801.70	4	1,144.73	4	1,488.26	4	1,831.78	4	2,175.31	4	2,518.83	4	2,862.36	4	3,205.85
1/4	121.83	1/4	465.34	1/4	808.85	1/4	1,151.89	1/4	1,495.41	1/4	1,838.94	1/4	2,182.47	1/4	2,525.99	1/4	2,869.52	1/4	3,213.00
1/2	128.99	1/2	472.50	1/2	816.01	1/2	1,159.04	1/2	1,502.57	1/2	1,846.10	1/2	2,189.62	1/2	2,533.15	1/2	2,876.67	1/2	3,220.16
3/4	136.14	3/4	479.65	3/4	823.17	3/4	1,166.20	3/4	1,509.73	3/4	1,853.25	3/4	2,196.78	3/4	2,540.31	3/4	2,883.83	3/4	3,227.31
5	143.30	5	486.81	5	830.32	5	1,173.36	5	1,516.88	5	1,860.41	5	2,203.94	5	2,547.46	5	2,890.99	5	3,234.47
1/4	150.46	1/4	493.97	1/4	837.48	1/4	1,180.51	1/4	1,524.04	1/4	1,867.57	1/4	2,211.09	1/4	2,554.62	1/4	2,898.15	1/4	3,241.62
1/2	157.61	1/2	501.12	1/2	844.63	1/2	1,187.67	1/2	1,531.20	1/2	1,874.72	1/2	2,218.25	1/2	2,561.78	1/2	2,905.30	1/2	3,248.78
3/4	164.77	3/4	508.28	3/4	851.78	3/4	1,194.83	3/4	1,538.35	3/4	1,881.88	3/4	2,225.41	3/4	2,568.93	3/4	2,912.46	3/4	3,255.93
6	171.92	6	515.44	6	858.93	6	1,201.98	6	1,545.51	6	1,889.04	6	2,232.56	6	2,576.09	6	2,919.62	6	3,263.09
1/4	179.08	1/4	522.59	1/4	866.08	1/4	1,209.14	1/4	1,552.67	1/4	1,896.19	1/4	2,239.72	1/4	2,583.25	1/4	2,926.77	1/4	3,270.24
1/2	186.24	1/2	529.75	1/2	873.22	1/2	1,216.30	1/2	1,559.82	1/2	1,903.35	1/2	2,246.88	1/2	2,590.40	1/2	2,933.93	1/2	3,277.40
3/4	193.39	3/4	536.91	3/4	880.36	3/4	1,223.45	3/4	1,566.98	3/4	1,910.51	3/4	2,254.03	3/4	2,597.56	3/4	2,941.09	3/4	3,284.55
7	200.55	7	544.06	7	887.50	7	1,230.61	7	1,574.14	7	1,917.66	7	2,261.19	7	2,604.72	7	2,948.24	7	3,291.71
1/4	207.71	1/4	551.22	1/4	894.65	1/4	1,237.77	1/4	1,581.29	1/4	1,924.82	1/4	2,268.35	1/4	2,611.87	1/4	2,955.40	1/4	3,298.86
1/2	214.86	1/2	558.38	1/2	901.79	1/2	1,244.92	1/2	1,588.45	1/2	1,931.98	1/2	2,275.50	1/2	2,619.03	1/2	2,962.56	1/2	3,306.01
3/4	222.02	3/4	565.53	3/4	908.93	3/4	1,252.08	3/4	1,595.61	3/4	1,939.13	3/4	2,282.66	3/4	2,626.19	3/4	2,969.71	3/4	3,313.17
8	229.18	8	572.69	8	916.07	8	1,259.24	8	1,602.76	8	1,946.29	8	2,289.82	8	2,633.34	8	2,976.87	8	3,320.32
1/4	236.33	1/4	579.85	1/4	923.22	1/4	1,266.39	1/4	1,609.92	1/4	1,953.45	1/4	2,296.97	1/4	2,640.50	1/4	2,984.03	1/4	3,327.48
1/2	243.49	1/2	587.00	1/2	930.36	1/2	1,273.55	1/2	1,617.08	1/2	1,960.60	1/2	2,304.13	1/2	2,647.66	1/2	2,991.18	1/2	3,334.63
3/4	250.65	3/4	594.16	3/4	937.50	3/4	1,280.71	3/4	1,624.23	3/4	1,967.76	3/4	2,311.29	3/4	2,654.81	3/4	2,998.34	3/4	3,341.79
9	257.80	9	601.31	9	944.64	9	1,287.87	9	1,631.39	9	1,974.92	9	2,318.44	9	2,661.97	9	3,005.50	9	3,348.94
1/4	264.96	1/4	608.47	1/4	951.79	1/4	1,295.02	1/4	1,638.55	1/4	1,982.07	1/4	2,325.60	1/4	2,669.13	1/4	3,012.65	1/4	3,356.10
1/2	272.12	1/2	615.63	1/2	958.93	1/2	1,302.18	1/2	1,645.71	1/2	1,989.23	1/2	2,332.76	1/2	2,676.28	1/2	3,019.81	1/2	3,363.25
3/4	279.27	3/4	622.78	3/4	966.07	3/4	1,309.34	3/4	1,652.86	3/4	1,996.39	3/4	2,339.91	3/4	2,683.44	3/4	3,026.97	3/4	3,370.41
10	286.43	10	629.94	10	973.21	10	1,316.49	10	1,660.02	10	2,003.55	10	2,347.07	10	2,690.60	10	3,034.12	10	3,377.56
1/4	293.59	1/4	637.10	1/4	980.36	1/4	1,323.65	1/4	1,667.18	1/4	2,010.70	1/4	2,354.23	1/4	2,697.75	1/4	3,041.28	1/4	3,384.72
1/2	300.74	1/2	644.25	1/2	987.50	1/2	1,330.81	1/2	1,674.33	1/2	2,017.86	1/2	2,361.39	1/2	2,704.91	1/2	3,048.44	1/2	3,391.87
3/4	307.90	3/4	651.41	3/4	994.64	3/4	1,337.96	3/4	1,681.49	3/4	2,025.02	3/4	2,368.54	3/4	2,712.07	3/4	3,055.59	3/4	3,399.03
11	315.05	11	658.57	11	1,001.79	11	1,345.12	11	1,688.65	11	2,032.17	11	2,375.70	11	2,719.23	11	3,062.75	11	3,406.18
1/4	322.21	1/4	665.72	1/4	1,008.93	1/4	1,352.28	1/4	1,695.80	1/4	2,039.33	1/4	2,382.86	1/4	2,726.38	1/4	3,069.91	1/4	3,413.34
1/2	329.37	1/2	672.88	1/2	1,016.07	1/2	1,359.43	1/2	1,702.96	1/2	2,046.49	1/2	2,390.01	1/2	2,733.54	1/2	3,077.06	1/2	3,420.49
3/4	336.52	3/4	680.04	3/4	1,023.21	3/4	1,366.59	3/4	1,710.12	3/4	2,053.64	3/4	2,397.17	3/4	2,740.70	3/4	3,084.22	3/4	3,427.65

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP 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 423"

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	3,434.80	0	3,778.26	0	4,121.78	0	4,464.65	0	4,806.61	0		0		0		0		0	
1/4	3,441.96	1/4	3,785.41	1/4	4,128.94	1/4	4,471.78	1/4	4,813.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,449.11	1/2	3,792.57	1/2	4,136.10	1/2	4,478.90	1/2	4,820.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,456.27	3/4	3,799.73	3/4	4,143.25	3/4	4,486.03	3/4	4,827.98	3/4		3/4		3/4		3/4		3/4	
1	3,463.42	1	3,806.88	1	4,150.41	1	4,493.15	1	4,835.11	1		1		1		1		1	
1/4	3,470.58	1/4	3,814.04	1/4	4,157.57	1/4	4,500.27	1/4	4,842.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,477.73	1/2	3,821.20	1/2	4,164.72	1/2	4,507.40	1/2	4,849.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,484.88	3/4	3,828.35	3/4	4,171.88	3/4	4,514.52	3/4	4,856.48	3/4		3/4		3/4		3/4		3/4	
2	3,492.04	2	3,835.51	2	4,179.04	2	4,521.65	2	4,863.60	2		2		2		2		2	
1/4	3,499.19	1/4	3,842.67	1/4	4,186.19	1/4	4,528.77	1/4	4,870.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,506.35	1/2	3,849.82	1/2	4,193.35	1/2	4,535.90	1/2	4,877.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,513.50	3/4	3,856.98	3/4	4,200.51	3/4	4,543.02	3/4	4,884.98	3/4		3/4		3/4		3/4		3/4	
3	3,520.66	3	3,864.14	3	4,207.66	3	4,550.14	3	4,892.10	3		3		3		3		3	
1/4	3,527.81	1/4	3,871.29	1/4	4,214.82	1/4	4,557.27	1/4	4,899.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,534.97	1/2	3,878.45	1/2	4,221.98	1/2	4,564.39	1/2	4,906.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,542.12	3/4	3,885.61	3/4	4,229.13	3/4	4,571.52	3/4	4,913.34	3/4		3/4		3/4		3/4		3/4	
4	3,549.28	4	3,892.76	4	4,236.29	4	4,578.64	4	4,920.42	4		4		4		4		4	
1/4	3,556.43	1/4	3,899.92	1/4	4,243.45	1/4	4,585.76	1/4	4,927.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,563.59	1/2	3,907.08	1/2	4,250.60	1/2	4,592.89	1/2	4,934.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,570.74	3/4	3,914.23	3/4	4,257.76	3/4	4,600.01	3/4	4,941.65	3/4		3/4		3/4		3/4		3/4	
5	3,577.90	5	3,921.39	5	4,264.92	5	4,607.14	5	4,948.73	5		5		5		5		5	
1/4	3,585.05	1/4	3,928.55	1/4	4,272.07	1/4	4,614.26	1/4	4,955.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,592.21	1/2	3,935.71	1/2	4,279.23	1/2	4,621.38	1/2	4,962.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,599.36	3/4	3,942.86	3/4	4,286.39	3/4	4,628.51	3/4	4,969.97	3/4		3/4		3/4		3/4		3/4	
6	3,606.52	6	3,950.02	6	4,293.55	6	4,635.63	6	4,977.04	6		6		6		6		6	
1/4	3,613.67	1/4	3,957.18	1/4	4,300.70	1/4	4,642.76	1/4	4,984.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,620.83	1/2	3,964.33	1/2	4,307.86	1/2	4,649.88	1/2	4,991.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,627.98	3/4	3,971.49	3/4	4,315.02	3/4	4,657.00	3/4	4,998.24	3/4		3/4		3/4		3/4		3/4	
7	3,635.14	7	3,978.65	7	4,322.17	7	4,664.13	7	5,005.30	7		7		7		7		7	
1/4	3,642.29	1/4	3,985.80	1/4	4,329.30	1/4	4,671.25	1/4	5,012.31	1/4		1/4		1/4		1/4		1/4	
1/2	3,649.45	1/2	3,992.96	1/2	4,336.42	1/2	4,678.38	1/2	5,019.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,656.60	3/4	4,000.12	3/4	4,343.54	3/4	4,685.50	3/4	5,026.33	3/4		3/4		3/4		3/4		3/4	
8	3,663.75	8	4,007.27	8	4,350.67	8	4,692.63	8	5,033.34	8		8		8		8		8	
1/4	3,670.91	1/4	4,014.43	1/4	4,357.79	1/4	4,699.75	1/4	5,039.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,678.06	1/2	4,021.59	1/2	4,364.92	1/2	4,706.87	1/2	5,045.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,685.22	3/4	4,028.74	3/4	4,372.04	3/4	4,714.00	3/4	5,051.90	3/4		3/4		3/4		3/4		3/4	
9	3,692.37	9	4,035.90	9	4,379.17	9	4,721.12	9	5,058.08	9		9		9		9		9	
1/4	3,699.53	1/4	4,043.06	1/4	4,386.29	1/4	4,728.25	1/4	5,063.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,706.69	1/2	4,050.21	1/2	4,393.41	1/2	4,735.37	1/2	5,068.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,713.84	3/4	4,057.37	3/4	4,400.54	3/4	4,742.49	3/4	5,073.06	3/4		3/4		3/4		3/4		3/4	
10	3,721.00	10	4,064.53	10	4,407.66	10	4,749.62	10	5,078.05	10		10		10		10		10	
1/4	3,728.16	1/4	4,071.68	1/4	4,414.79	1/4	4,756.74	1/4	5,081.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,735.31	1/2	4,078.84	1/2	4,421.91	1/2	4,763.87	1/2	5,085.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,742.47	3/4	4,086.00	3/4	4,429.03	3/4	4,770.99	3/4	5,089.44	3/4		3/4		3/4		3/4		3/4	
11	3,749.63	11	4,093.15	11	4,436.16	11	4,778.11	11	5,093.24	11		11		11		11		11	
1/4	3,756.79	1/4	4,100.31	1/4	4,443.28	1/4	4,785.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,763.94	1/2	4,107.47	1/2	4,450.41	1/2	4,792.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,771.10	3/4	4,114.63	3/4	4,457.53	3/4	4,799.49	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2021 CL
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PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

3 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.61	0	342.12	0	683.56	0	1,015.36	0	1,352.09	0	1,693.42	0	2,034.76	0	2,376.09	0	2,717.39	0	3,058.84
1/4	19.07	1/4	349.24	1/4	690.67	1/4	1,022.16	1/4	1,359.20	1/4	1,700.53	1/4	2,041.87	1/4	2,383.20	1/4	2,724.50	1/4	3,065.95
1/2	23.52	1/2	356.37	1/2	697.78	1/2	1,028.97	1/2	1,366.31	1/2	1,707.65	1/2	2,048.98	1/2	2,390.31	1/2	2,731.61	1/2	3,073.06
3/4	27.97	3/4	363.49	3/4	704.90	3/4	1,035.77	3/4	1,373.42	3/4	1,714.76	3/4	2,056.09	3/4	2,397.42	3/4	2,738.72	3/4	3,080.16
1	32.42	1	370.61	1	712.01	1	1,042.57	1	1,380.54	1	1,721.87	1	2,063.20	1	2,404.53	1	2,745.83	1	3,087.27
1/4	38.66	1/4	377.73	1/4	719.12	1/4	1,049.37	1/4	1,387.65	1/4	1,728.98	1/4	2,070.31	1/4	2,411.64	1/4	2,752.94	1/4	3,094.37
1/2	44.89	1/2	384.84	1/2	726.23	1/2	1,056.17	1/2	1,394.76	1/2	1,736.09	1/2	2,077.42	1/2	2,418.76	1/2	2,760.05	1/2	3,101.48
3/4	51.12	3/4	391.95	3/4	733.35	3/4	1,062.98	3/4	1,401.87	3/4	1,743.20	3/4	2,084.53	3/4	2,425.87	3/4	2,767.16	3/4	3,108.59
2	57.35	2	399.06	2	740.46	2	1,069.78	2	1,408.98	2	1,750.31	2	2,091.65	2	2,432.98	2	2,774.27	2	3,115.69
1/4	64.44	1/4	406.18	1/4	747.57	1/4	1,076.59	1/4	1,416.09	1/4	1,757.42	1/4	2,098.76	1/4	2,440.09	1/4	2,781.38	1/4	3,122.78
1/2	71.53	1/2	413.29	1/2	754.68	1/2	1,083.40	1/2	1,423.20	1/2	1,764.53	1/2	2,105.87	1/2	2,447.20	1/2	2,788.49	1/2	3,129.87
3/4	78.61	3/4	420.40	3/4	761.80	3/4	1,090.21	3/4	1,430.31	3/4	1,771.65	3/4	2,112.98	3/4	2,454.31	3/4	2,795.60	3/4	3,136.96
3	85.70	3	427.51	3	768.91	3	1,097.02	3	1,437.42	3	1,778.76	3	2,120.09	3	2,461.42	3	2,802.71	3	3,144.05
1/4	92.82	1/4	434.63	1/4	776.02	1/4	1,103.90	1/4	1,444.54	1/4	1,785.87	1/4	2,127.20	1/4	2,468.53	1/4	2,809.82	1/4	3,151.14
1/2	99.93	1/2	441.74	1/2	783.13	1/2	1,110.78	1/2	1,451.65	1/2	1,792.98	1/2	2,134.31	1/2	2,475.64	1/2	2,816.93	1/2	3,158.23
3/4	107.04	3/4	448.85	3/4	790.25	3/4	1,117.66	3/4	1,458.76	3/4	1,800.09	3/4	2,141.42	3/4	2,482.76	3/4	2,824.04	3/4	3,165.32
4	114.16	4	455.96	4	797.36	4	1,124.54	4	1,465.87	4	1,807.20	4	2,148.53	4	2,489.87	4	2,831.15	4	3,172.40
1/4	121.28	1/4	463.08	1/4	804.24	1/4	1,131.65	1/4	1,472.98	1/4	1,814.31	1/4	2,155.65	1/4	2,496.98	1/4	2,838.26	1/4	3,179.49
1/2	128.40	1/2	470.19	1/2	811.12	1/2	1,138.76	1/2	1,480.09	1/2	1,821.42	1/2	2,162.76	1/2	2,504.09	1/2	2,845.37	1/2	3,186.58
3/4	135.52	3/4	477.30	3/4	818.00	3/4	1,145.87	3/4	1,487.20	3/4	1,828.53	3/4	2,169.87	3/4	2,511.20	3/4	2,852.48	3/4	3,193.67
5	142.65	5	484.41	5	824.88	5	1,152.98	5	1,494.31	5	1,835.65	5	2,176.98	5	2,518.31	5	2,859.59	5	3,200.76
1/4	149.77	1/4	491.53	1/4	831.69	1/4	1,160.09	1/4	1,501.42	1/4	1,842.76	1/4	2,184.09	1/4	2,525.42	1/4	2,866.70	1/4	3,207.85
1/2	156.89	1/2	498.64	1/2	838.50	1/2	1,167.20	1/2	1,508.54	1/2	1,849.87	1/2	2,191.20	1/2	2,532.53	1/2	2,873.81	1/2	3,214.94
3/4	164.02	3/4	505.75	3/4	845.31	3/4	1,174.31	3/4	1,515.65	3/4	1,856.98	3/4	2,198.31	3/4	2,539.64	3/4	2,880.92	3/4	3,222.03
6	171.14	6	512.86	6	852.12	6	1,181.42	6	1,522.76	6	1,864.09	6	2,205.42	6	2,546.75	6	2,888.03	6	3,229.11
1/4	178.27	1/4	519.98	1/4	858.92	1/4	1,188.54	1/4	1,529.87	1/4	1,871.20	1/4	2,212.53	1/4	2,553.86	1/4	2,895.14	1/4	3,236.20
1/2	185.39	1/2	527.09	1/2	865.72	1/2	1,195.65	1/2	1,536.98	1/2	1,878.31	1/2	2,219.65	1/2	2,560.97	1/2	2,902.25	1/2	3,243.29
3/4	192.51	3/4	534.20	3/4	872.52	3/4	1,202.76	3/4	1,544.09	3/4	1,885.42	3/4	2,226.76	3/4	2,568.08	3/4	2,909.36	3/4	3,250.38
7	199.64	7	541.31	7	879.32	7	1,209.87	7	1,551.20	7	1,892.53	7	2,233.87	7	2,575.19	7	2,916.47	7	3,257.47
1/4	206.76	1/4	548.42	1/4	886.13	1/4	1,216.98	1/4	1,558.31	1/4	1,899.65	1/4	2,240.98	1/4	2,582.30	1/4	2,923.59	1/4	3,264.56
1/2	213.89	1/2	555.54	1/2	892.93	1/2	1,224.09	1/2	1,565.42	1/2	1,906.76	1/2	2,248.09	1/2	2,589.41	1/2	2,930.71	1/2	3,271.65
3/4	221.01	3/4	562.65	3/4	899.73	3/4	1,231.20	3/4	1,572.54	3/4	1,913.87	3/4	2,255.20	3/4	2,596.52	3/4	2,937.83	3/4	3,278.74
8	228.13	8	569.76	8	906.53	8	1,238.31	8	1,579.65	8	1,920.98	8	2,262.31	8	2,603.63	8	2,944.96	8	3,285.83
1/4	235.26	1/4	576.87	1/4	913.33	1/4	1,245.42	1/4	1,586.76	1/4	1,928.09	1/4	2,269.42	1/4	2,610.74	1/4	2,952.08	1/4	3,292.92
1/2	242.38	1/2	583.99	1/2	920.13	1/2	1,252.54	1/2	1,593.87	1/2	1,935.20	1/2	2,276.53	1/2	2,617.85	1/2	2,959.20	1/2	3,300.01
3/4	249.51	3/4	591.10	3/4	926.94	3/4	1,259.65	3/4	1,600.98	3/4	1,942.31	3/4	2,283.65	3/4	2,624.96	3/4	2,966.32	3/4	3,307.10
9	256.63	9	598.21	9	933.74	9	1,266.76	9	1,608.09	9	1,949.42	9	2,290.76	9	2,632.07	9	2,973.44	9	3,314.19
1/4	263.75	1/4	605.32	1/4	940.54	1/4	1,273.87	1/4	1,615.20	1/4	1,956.53	1/4	2,297.87	1/4	2,639.18	1/4	2,980.57	1/4	3,321.28
1/2	270.88	1/2	612.44	1/2	947.34	1/2	1,280.98	1/2	1,622.31	1/2	1,963.65	1/2	2,304.98	1/2	2,646.29	1/2	2,987.69	1/2	3,328.37
3/4	278.00	3/4	619.55	3/4	954.14	3/4	1,288.09	3/4	1,629.42	3/4	1,970.76	3/4	2,312.09	3/4	2,653.40	3/4	2,994.81	3/4	3,335.46
10	285.13	10	626.66	10	960.94	10	1,295.20	10	1,636.54	10	1,977.87	10	2,319.20	10	2,660.51	10	3,001.93	10	3,342.55
1/4	292.25	1/4	633.77	1/4	967.75	1/4	1,302.31	1/4	1,643.65	1/4	1,984.98	1/4	2,326.31	1/4	2,667.62	1/4	3,009.05	1/4	3,349.68
1/2	299.37	1/2	640.89	1/2	974.55	1/2	1,309.42	1/2	1,650.76	1/2	1,992.09	1/2	2,333.42	1/2	2,674.73	1/2	3,016.18	1/2	3,351.22
3/4	306.50	3/4	648.00	3/4	981.35	3/4	1,316.54	3/4	1,657.87	3/4	1,999.20	3/4	2,340.53	3/4	2,681.84	3/4	3,023.30	3/4	3,355.55
11	313.62	11	655.11	11	988.15	11	1,323.65	11	1,664.98	11	2,006.31	11	2,347.65	11	2,688.95	11	3,030.42	11	3,359.88
1/4	320.75	1/4	662.22	1/4	994.95	1/4	1,330.76	1/4	1,672.09	1/4	2,013.42	1/4	2,354.76	1/4	2,696.06	1/4	3,037.53	1/4	3,364.21
1/2	327.87	1/2	669.34	1/2	1,001.76	1/2	1,337.87	1/2	1,679.20	1/2	2,020.53	1/2	2,361.87	1/2	2,703.17	1/2	3,044.63	1/2	3,368.54
3/4	334.99	3/4	676.45	3/4	1,008.56	3/4	1,344.98	3/4	1,686.31	3/4	2,027.65	3/4	2,368.98	3/4	2,710.28	3/4	3,051.74	3/4	3,372.88

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 423"

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	3,377.21	0	3,586.21	0	3,795.78	0	4,004.96	0	4,213.62	0		0		0		0		0	
1/4	3,381.56	1/4	3,590.57	1/4	3,800.14	1/4	4,009.31	1/4	4,217.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,385.91	1/2	3,594.94	1/2	3,804.51	1/2	4,013.66	1/2	4,222.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,390.26	3/4	3,599.31	3/4	3,808.87	3/4	4,018.00	3/4	4,226.66	3/4		3/4		3/4		3/4		3/4	
1	3,394.61	1	3,603.67	1	3,813.24	1	4,022.35	1	4,231.01	1		1		1		1		1	
1/4	3,398.96	1/4	3,608.04	1/4	3,817.61	1/4	4,026.70	1/4	4,235.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,403.31	1/2	3,612.40	1/2	3,821.97	1/2	4,031.05	1/2	4,239.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,407.66	3/4	3,616.77	3/4	3,826.34	3/4	4,035.39	3/4	4,244.05	3/4		3/4		3/4		3/4		3/4	
2	3,412.01	2	3,621.14	2	3,830.70	2	4,039.74	2	4,248.40	2		2		2		2		2	
1/4	3,416.36	1/4	3,625.50	1/4	3,835.07	1/4	4,044.09	1/4	4,252.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,420.71	1/2	3,629.87	1/2	3,839.44	1/2	4,048.43	1/2	4,257.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,425.06	3/4	3,634.23	3/4	3,843.80	3/4	4,052.78	3/4	4,261.44	3/4		3/4		3/4		3/4		3/4	
3	3,429.41	3	3,638.60	3	3,848.17	3	4,057.13	3	4,265.78	3		3		3		3		3	
1/4	3,433.76	1/4	3,642.97	1/4	3,852.53	1/4	4,061.47	1/4	4,270.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,438.11	1/2	3,647.33	1/2	3,856.90	1/2	4,065.82	1/2	4,274.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,442.46	3/4	3,651.70	3/4	3,861.27	3/4	4,070.17	3/4	4,278.74	3/4		3/4		3/4		3/4		3/4	
4	3,446.81	4	3,656.06	4	3,865.63	4	4,074.52	4	4,283.06	4		4		4		4		4	
1/4	3,451.16	1/4	3,660.43	1/4	3,870.00	1/4	4,078.86	1/4	4,287.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,455.51	1/2	3,664.80	1/2	3,874.36	1/2	4,083.21	1/2	4,291.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,459.86	3/4	3,669.16	3/4	3,878.73	3/4	4,087.56	3/4	4,296.02	3/4		3/4		3/4		3/4		3/4	
5	3,464.21	5	3,673.53	5	3,883.10	5	4,091.90	5	4,300.34	5		5		5		5		5	
1/4	3,468.56	1/4	3,677.89	1/4	3,887.46	1/4	4,096.25	1/4	4,304.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,472.91	1/2	3,682.26	1/2	3,891.83	1/2	4,100.60	1/2	4,308.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,477.26	3/4	3,686.63	3/4	3,896.19	3/4	4,104.94	3/4	4,313.28	3/4		3/4		3/4		3/4		3/4	
6	3,481.61	6	3,690.99	6	3,900.56	6	4,109.29	6	4,317.60	6		6		6		6		6	
1/4	3,485.96	1/4	3,695.36	1/4	3,904.93	1/4	4,113.64	1/4	4,321.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,490.31	1/2	3,699.72	1/2	3,909.29	1/2	4,117.99	1/2	4,326.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,494.66	3/4	3,704.09	3/4	3,913.66	3/4	4,122.33	3/4	4,330.52	3/4		3/4		3/4		3/4		3/4	
7	3,499.01	7	3,708.46	7	3,918.02	7	4,126.68	7	4,334.82	7		7		7		7		7	
1/4	3,503.36	1/4	3,712.82	1/4	3,922.37	1/4	4,131.03	1/4	4,339.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,507.71	1/2	3,717.19	1/2	3,926.72	1/2	4,135.37	1/2	4,343.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,512.06	3/4	3,721.55	3/4	3,931.06	3/4	4,139.72	3/4	4,347.57	3/4		3/4		3/4		3/4		3/4	
8	3,516.42	8	3,725.92	8	3,935.41	8	4,144.07	8	4,351.82	8		8		8		8		8	
1/4	3,520.77	1/4	3,730.29	1/4	3,939.76	1/4	4,148.41	1/4	4,355.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,525.12	1/2	3,734.65	1/2	3,944.11	1/2	4,152.76	1/2	4,358.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,529.47	3/4	3,739.02	3/4	3,948.45	3/4	4,157.11	3/4	4,362.11	3/4		3/4		3/4		3/4		3/4	
9	3,533.82	9	3,743.38	9	3,952.80	9	4,161.46	9	4,365.54	9		9		9		9		9	
1/4	3,538.18	1/4	3,747.75	1/4	3,957.15	1/4	4,165.80	1/4	4,367.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,542.55	1/2	3,752.12	1/2	3,961.49	1/2	4,170.15	1/2	4,370.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,546.91	3/4	3,756.48	3/4	3,965.84	3/4	4,174.50	3/4	4,372.26	3/4		3/4		3/4		3/4		3/4	
10	3,551.28	10	3,760.85	10	3,970.19	10	4,178.84	10	4,374.51	10		10		10		10		10	
1/4	3,555.65	1/4	3,765.21	1/4	3,974.53	1/4	4,183.19	1/4	4,376.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,560.01	1/2	3,769.58	1/2	3,978.88	1/2	4,187.54	1/2	4,377.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,564.38	3/4	3,773.95	3/4	3,983.23	3/4	4,191.88	3/4	4,379.62	3/4		3/4		3/4		3/4		3/4	
11	3,568.74	11	3,778.31	11	3,987.58	11	4,196.23	11	4,381.33	11		11		11		11		11	
1/4	3,573.11	1/4	3,782.68	1/4	3,991.92	1/4	4,200.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,577.48	1/2	3,787.04	1/2	3,996.27	1/2	4,204.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,581.84	3/4	3,791.41	3/4	4,000.62	3/4	4,209.27	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2021 CL
CALCULATED: 07/29/2021 CL
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PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
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<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

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	342.59	0	685.00	0	1,027.07	0	1,369.36	0	1,711.79	0	2,054.22	0	2,396.64	0	2,738.81	0	3,080.36
1/4	19.09	1/4	349.72	1/4	692.14	1/4	1,034.19	1/4	1,376.50	1/4	1,718.92	1/4	2,061.35	1/4	2,403.78	1/4	2,745.93	1/4	3,087.48
1/2	23.55	1/2	356.85	1/2	699.27	1/2	1,041.31	1/2	1,383.63	1/2	1,726.06	1/2	2,068.48	1/2	2,410.91	1/2	2,753.04	1/2	3,094.60
3/4	28.01	3/4	363.99	3/4	706.40	3/4	1,048.43	3/4	1,390.76	3/4	1,733.19	3/4	2,075.62	3/4	2,418.05	3/4	2,760.16	3/4	3,101.71
1	32.47	1	371.12	1	713.54	1	1,055.55	1	1,397.90	1	1,740.33	1	2,082.75	1	2,425.18	1	2,767.27	1	3,108.83
1/4	38.71	1/4	378.25	1/4	720.67	1/4	1,062.67	1/4	1,405.03	1/4	1,747.46	1/4	2,089.89	1/4	2,432.31	1/4	2,774.39	1/4	3,115.94
1/2	44.95	1/2	385.39	1/2	727.81	1/2	1,069.79	1/2	1,412.17	1/2	1,754.59	1/2	2,097.02	1/2	2,439.45	1/2	2,781.50	1/2	3,123.06
3/4	51.19	3/4	392.52	3/4	734.94	3/4	1,076.91	3/4	1,419.30	3/4	1,761.73	3/4	2,104.15	3/4	2,446.58	3/4	2,788.62	3/4	3,130.17
2	57.43	2	399.66	2	742.07	2	1,084.03	2	1,426.43	2	1,768.86	2	2,111.29	2	2,453.72	2	2,795.74	2	3,137.29
1/4	64.53	1/4	406.79	1/4	749.21	1/4	1,091.16	1/4	1,433.57	1/4	1,775.99	1/4	2,118.42	1/4	2,460.85	1/4	2,802.85	1/4	3,144.39
1/2	71.62	1/2	413.92	1/2	756.34	1/2	1,098.29	1/2	1,440.70	1/2	1,783.13	1/2	2,125.56	1/2	2,467.98	1/2	2,809.97	1/2	3,151.49
3/4	78.72	3/4	421.06	3/4	763.47	3/4	1,105.41	3/4	1,447.84	3/4	1,790.26	3/4	2,132.69	3/4	2,475.12	3/4	2,817.08	3/4	3,158.59
3	85.82	3	428.19	3	770.61	3	1,112.54	3	1,454.97	3	1,797.40	3	2,139.82	3	2,482.25	3	2,824.20	3	3,165.68
1/4	92.94	1/4	435.32	1/4	777.74	1/4	1,119.68	1/4	1,462.10	1/4	1,804.53	1/4	2,146.96	1/4	2,489.38	1/4	2,831.31	1/4	3,172.78
1/2	100.07	1/2	442.46	1/2	784.88	1/2	1,126.81	1/2	1,469.24	1/2	1,811.66	1/2	2,154.09	1/2	2,496.52	1/2	2,838.43	1/2	3,179.88
3/4	107.19	3/4	449.59	3/4	792.01	3/4	1,133.94	3/4	1,476.37	3/4	1,818.80	3/4	2,161.23	3/4	2,503.65	3/4	2,845.55	3/4	3,186.98
4	114.31	4	456.72	4	799.14	4	1,141.08	4	1,483.51	4	1,825.93	4	2,168.36	4	2,510.79	4	2,852.66	4	3,194.08
1/4	121.45	1/4	463.86	1/4	806.28	1/4	1,148.21	1/4	1,490.64	1/4	1,833.07	1/4	2,175.49	1/4	2,517.92	1/4	2,859.78	1/4	3,201.18
1/2	128.58	1/2	470.99	1/2	813.41	1/2	1,155.35	1/2	1,497.77	1/2	1,840.20	1/2	2,182.63	1/2	2,525.06	1/2	2,866.89	1/2	3,208.27
3/4	135.71	3/4	478.13	3/4	820.54	3/4	1,162.48	3/4	1,504.91	3/4	1,847.33	3/4	2,189.76	3/4	2,532.19	3/4	2,874.01	3/4	3,215.37
5	142.84	5	485.26	5	827.68	5	1,169.61	5	1,512.04	5	1,854.47	5	2,196.90	5	2,539.33	5	2,881.12	5	3,222.47
1/4	149.98	1/4	492.39	1/4	834.81	1/4	1,176.75	1/4	1,519.17	1/4	1,861.60	1/4	2,204.03	1/4	2,546.47	1/4	2,888.24	1/4	3,229.57
1/2	157.11	1/2	499.53	1/2	841.94	1/2	1,183.88	1/2	1,526.31	1/2	1,868.74	1/2	2,211.16	1/2	2,553.60	1/2	2,895.36	1/2	3,236.67
3/4	164.24	3/4	506.66	3/4	849.06	3/4	1,191.02	3/4	1,533.44	3/4	1,875.87	3/4	2,218.30	3/4	2,560.74	3/4	2,902.47	3/4	3,243.77
6	171.38	6	513.79	6	856.19	6	1,198.15	6	1,540.58	6	1,883.00	6	2,225.43	6	2,567.87	6	2,909.59	6	3,250.87
1/4	178.51	1/4	520.93	1/4	863.31	1/4	1,205.28	1/4	1,547.71	1/4	1,890.14	1/4	2,232.56	1/4	2,575.01	1/4	2,916.70	1/4	3,257.96
1/2	185.64	1/2	528.06	1/2	870.43	1/2	1,212.42	1/2	1,554.84	1/2	1,897.27	1/2	2,239.70	1/2	2,582.14	1/2	2,923.82	1/2	3,265.06
3/4	192.78	3/4	535.20	3/4	877.55	3/4	1,219.55	3/4	1,561.98	3/4	1,904.41	3/4	2,246.83	3/4	2,589.28	3/4	2,930.93	3/4	3,272.16
7	199.91	7	542.33	7	884.67	7	1,226.68	7	1,569.11	7	1,911.54	7	2,253.97	7	2,596.42	7	2,938.05	7	3,279.26
1/4	207.05	1/4	549.46	1/4	891.79	1/4	1,233.82	1/4	1,576.25	1/4	1,918.67	1/4	2,261.10	1/4	2,603.55	1/4	2,945.17	1/4	3,286.36
1/2	214.18	1/2	556.60	1/2	898.91	1/2	1,240.95	1/2	1,583.38	1/2	1,925.81	1/2	2,268.23	1/2	2,610.69	1/2	2,952.28	1/2	3,293.46
3/4	221.31	3/4	563.73	3/4	906.03	3/4	1,248.09	3/4	1,590.51	3/4	1,932.94	3/4	2,275.37	3/4	2,617.82	3/4	2,959.40	3/4	3,300.56
8	228.45	8	570.86	8	913.15	8	1,255.22	8	1,597.65	8	1,940.07	8	2,282.50	8	2,624.96	8	2,966.51	8	3,307.65
1/4	235.58	1/4	578.00	1/4	920.27	1/4	1,262.35	1/4	1,604.78	1/4	1,947.21	1/4	2,289.64	1/4	2,632.08	1/4	2,973.63	1/4	3,314.75
1/2	242.71	1/2	585.13	1/2	927.39	1/2	1,269.49	1/2	1,611.92	1/2	1,954.34	1/2	2,296.77	1/2	2,639.19	1/2	2,980.74	1/2	3,321.85
3/4	249.85	3/4	592.27	3/4	934.51	3/4	1,276.62	3/4	1,619.05	3/4	1,961.48	3/4	2,303.90	3/4	2,646.31	3/4	2,987.86	3/4	3,328.95
9	256.98	9	599.40	9	941.63	9	1,283.76	9	1,626.18	9	1,968.61	9	2,311.04	9	2,653.42	9	2,994.98	9	3,336.05
1/4	264.12	1/4	606.53	1/4	948.75	1/4	1,290.89	1/4	1,633.32	1/4	1,975.74	1/4	2,318.17	1/4	2,660.54	1/4	3,002.09	1/4	3,343.15
1/2	271.25	1/2	613.67	1/2	955.87	1/2	1,298.02	1/2	1,640.45	1/2	1,982.88	1/2	2,325.31	1/2	2,667.65	1/2	3,009.21	1/2	3,350.24
3/4	278.38	3/4	620.80	3/4	962.99	3/4	1,305.16	3/4	1,647.58	3/4	1,990.01	3/4	2,332.44	3/4	2,674.77	3/4	3,016.32	3/4	3,357.34
10	285.52	10	627.93	10	970.11	10	1,312.29	10	1,654.72	10	1,997.15	10	2,339.57	10	2,681.88	10	3,023.44	10	3,364.44
1/4	292.65	1/4	635.07	1/4	977.23	1/4	1,319.43	1/4	1,661.85	1/4	2,004.28	1/4	2,346.71	1/4	2,689.00	1/4	3,030.55	1/4	3,368.78
1/2	299.78	1/2	642.20	1/2	984.35	1/2	1,326.56	1/2	1,668.99	1/2	2,011.41	1/2	2,353.84	1/2	2,696.12	1/2	3,037.67	1/2	3,373.12
3/4	306.92	3/4	649.33	3/4	991.47	3/4	1,333.69	3/4	1,676.12	3/4	2,018.55	3/4	2,360.97	3/4	2,703.23	3/4	3,044.79	3/4	3,377.46
11	314.05	11	656.47	11	998.59	11	1,340.83	11	1,683.25	11	2,025.68	11	2,368.11	11	2,710.35	11	3,051.90	11	3,381.80
1/4	321.18	1/4	663.60	1/4	1,005.71	1/4	1,347.96	1/4	1,690.39	1/4	2,032.82	1/4	2,375.24	1/4	2,717.46	1/4	3,059.02	1/4	3,386.14
1/2	328.32	1/2	670.74	1/2	1,012.83	1/2	1,355.09	1/2	1,697.52	1/2	2,039.95	1/2	2,382.38	1/2	2,724.58	1/2	3,066.13	1/2	3,390.48
3/4	335.45	3/4	677.87	3/4	1,019.95	3/4	1,362.23	3/4	1,704.66	3/4	2,047.08	3/4	2,389.51	3/4	2,731.69	3/4	3,073.25	3/4	3,394.82

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 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.

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BARGE "MPX 423"

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	3,399.16	0	3,609.17	0	3,819.18	0	4,028.81	0	4,237.90	0		0		0		0		0	
1/4	3,403.53	1/4	3,613.54	1/4	3,823.55	1/4	4,033.16	1/4	4,242.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,407.91	1/2	3,617.92	1/2	3,827.93	1/2	4,037.52	1/2	4,246.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,412.28	3/4	3,622.29	3/4	3,832.30	3/4	4,041.87	3/4	4,250.97	3/4		3/4		3/4		3/4		3/4	
1	3,416.66	1	3,626.67	1	3,836.68	1	4,046.23	1	4,255.32	1		1		1		1		1	
1/4	3,421.04	1/4	3,631.04	1/4	3,841.05	1/4	4,050.59	1/4	4,259.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,425.41	1/2	3,635.42	1/2	3,845.43	1/2	4,054.94	1/2	4,264.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,429.79	3/4	3,639.80	3/4	3,849.80	3/4	4,059.30	3/4	4,268.39	3/4		3/4		3/4		3/4		3/4	
2	3,434.16	2	3,644.17	2	3,854.18	2	4,063.65	2	4,272.75	2		2		2		2		2	
1/4	3,438.54	1/4	3,648.55	1/4	3,858.56	1/4	4,068.01	1/4	4,277.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,442.91	1/2	3,652.92	1/2	3,862.93	1/2	4,072.37	1/2	4,281.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,447.29	3/4	3,657.30	3/4	3,867.31	3/4	4,076.72	3/4	4,285.82	3/4		3/4		3/4		3/4		3/4	
3	3,451.66	3	3,661.67	3	3,871.68	3	4,081.08	3	4,290.17	3		3		3		3		3	
1/4	3,456.04	1/4	3,666.05	1/4	3,876.06	1/4	4,085.44	1/4	4,294.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,460.41	1/2	3,670.42	1/2	3,880.43	1/2	4,089.79	1/2	4,298.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,464.79	3/4	3,674.80	3/4	3,884.81	3/4	4,094.15	3/4	4,303.16	3/4		3/4		3/4		3/4		3/4	
4	3,469.16	4	3,679.17	4	3,889.18	4	4,098.50	4	4,307.48	4		4		4		4		4	
1/4	3,473.54	1/4	3,683.55	1/4	3,893.56	1/4	4,102.86	1/4	4,311.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,477.91	1/2	3,687.92	1/2	3,897.93	1/2	4,107.22	1/2	4,316.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,482.29	3/4	3,692.30	3/4	3,902.31	3/4	4,111.57	3/4	4,320.47	3/4		3/4		3/4		3/4		3/4	
5	3,486.66	5	3,696.67	5	3,906.68	5	4,115.93	5	4,324.80	5		5		5		5		5	
1/4	3,491.04	1/4	3,701.05	1/4	3,911.06	1/4	4,120.28	1/4	4,329.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,495.41	1/2	3,705.42	1/2	3,915.43	1/2	4,124.64	1/2	4,333.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,499.79	3/4	3,709.80	3/4	3,919.81	3/4	4,129.00	3/4	4,337.77	3/4		3/4		3/4		3/4		3/4	
6	3,504.16	6	3,714.17	6	3,924.18	6	4,133.35	6	4,342.10	6		6		6		6		6	
1/4	3,508.54	1/4	3,718.55	1/4	3,928.56	1/4	4,137.71	1/4	4,346.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,512.91	1/2	3,722.92	1/2	3,932.93	1/2	4,142.06	1/2	4,350.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,517.29	3/4	3,727.30	3/4	3,937.31	3/4	4,146.42	3/4	4,355.04	3/4		3/4		3/4		3/4		3/4	
7	3,521.66	7	3,731.67	7	3,941.68	7	4,150.78	7	4,359.35	7		7		7		7		7	
1/4	3,526.04	1/4	3,736.05	1/4	3,946.04	1/4	4,155.13	1/4	4,363.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,530.42	1/2	3,740.42	1/2	3,950.40	1/2	4,159.49	1/2	4,367.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,534.79	3/4	3,744.80	3/4	3,954.75	3/4	4,163.85	3/4	4,372.13	3/4		3/4		3/4		3/4		3/4	
8	3,539.17	8	3,749.18	8	3,959.11	8	4,168.20	8	4,376.39	8		8		8		8		8	
1/4	3,543.54	1/4	3,753.55	1/4	3,963.46	1/4	4,172.56	1/4	4,379.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,547.92	1/2	3,757.93	1/2	3,967.82	1/2	4,176.91	1/2	4,383.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,552.29	3/4	3,762.30	3/4	3,972.18	3/4	4,181.27	3/4	4,386.70	3/4		3/4		3/4		3/4		3/4	
9	3,556.67	9	3,766.68	9	3,976.53	9	4,185.63	9	4,390.14	9		9		9		9		9	
1/4	3,561.04	1/4	3,771.05	1/4	3,980.89	1/4	4,189.98	1/4	4,392.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,565.42	1/2	3,775.43	1/2	3,985.25	1/2	4,194.34	1/2	4,394.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,569.79	3/4	3,779.80	3/4	3,989.60	3/4	4,198.69	3/4	4,396.88	3/4		3/4		3/4		3/4		3/4	
10	3,574.17	10	3,784.18	10	3,993.96	10	4,203.05	10	4,399.13	10		10		10		10		10	
1/4	3,578.54	1/4	3,788.55	1/4	3,998.31	1/4	4,207.41	1/4	4,400.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,582.92	1/2	3,792.93	1/2	4,002.67	1/2	4,211.76	1/2	4,402.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,587.29	3/4	3,797.30	3/4	4,007.03	3/4	4,216.12	3/4	4,404.26	3/4		3/4		3/4		3/4		3/4	
11	3,591.67	11	3,801.68	11	4,011.38	11	4,220.47	11	4,405.97	11		11		11		11		11	
1/4	3,596.04	1/4	3,806.05	1/4	4,015.74	1/4	4,224.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,600.42	1/2	3,810.43	1/2	4,020.09	1/2	4,229.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,604.79	3/4	3,814.80	3/4	4,024.45	3/4	4,233.54	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

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	08-0/8	- 08-0/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-03"

July 28, 2021

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

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BARGE "MPX 423"

1 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,028.48	0	4,743.73	0	4,402.83	0	4,061.09	0	3,718.63	0	3,376.24	0	3,033.87
1/4		1/4		1/4		1/4	5,026.48	1/4	4,736.63	1/4	4,395.73	1/4	4,053.96	1/4	3,711.49	1/4	3,369.10	1/4	3,026.73
1/2		1/2		1/2		1/2	5,024.47	1/2	4,729.53	1/2	4,388.63	1/2	4,046.82	1/2	3,704.36	1/2	3,361.97	1/2	3,019.60
3/4		3/4		3/4		3/4	5,022.47	3/4	4,722.42	3/4	4,381.53	3/4	4,039.69	3/4	3,697.22	3/4	3,354.84	3/4	3,012.47
1		1		1		1	5,020.47	1	4,715.32	1	4,374.43	1	4,032.55	1	3,690.09	1	3,347.71	1	3,005.34
1/4		1/4		1/4		1/4	5,017.28	1/4	4,708.22	1/4	4,367.32	1/4	4,025.42	1/4	3,682.95	1/4	3,340.57	1/4	2,998.20
1/2		1/2		1/2		1/2	5,014.08	1/2	4,701.12	1/2	4,360.22	1/2	4,018.29	1/2	3,675.82	1/2	3,333.44	1/2	2,991.07
3/4		3/4		3/4		3/4	5,010.89	3/4	4,694.02	3/4	4,353.12	3/4	4,011.15	3/4	3,668.68	3/4	3,326.31	3/4	2,983.93
2		2		2		2	5,007.70	2	4,686.91	2	4,346.02	2	4,004.02	2	3,661.55	2	3,319.17	2	2,976.80
1/4		1/4		1/4		1/4	5,003.32	1/4	4,679.81	1/4	4,338.92	1/4	3,996.88	1/4	3,654.42	1/4	3,312.04	1/4	2,969.67
1/2		1/2		1/2		1/2	4,998.94	1/2	4,672.71	1/2	4,331.81	1/2	3,989.75	1/2	3,647.28	1/2	3,304.91	1/2	2,962.53
3/4		3/4		3/4		3/4	4,994.55	3/4	4,665.61	3/4	4,324.71	3/4	3,982.61	3/4	3,640.15	3/4	3,297.78	3/4	2,955.40
3		3		3		3	4,990.17	3	4,658.51	3	4,317.61	3	3,975.48	3	3,633.01	3	3,290.64	3	2,948.26
1/4		1/4		1/4		1/4	4,984.60	1/4	4,651.40	1/4	4,310.51	1/4	3,968.34	1/4	3,625.88	1/4	3,283.51	1/4	2,941.13
1/2		1/2		1/2		1/2	4,979.03	1/2	4,644.30	1/2	4,303.41	1/2	3,961.21	1/2	3,618.75	1/2	3,276.38	1/2	2,933.99
3/4		3/4		3/4		3/4	4,973.46	3/4	4,637.20	3/4	4,296.30	3/4	3,954.07	3/4	3,611.61	3/4	3,269.25	3/4	2,926.86
4		4		4		4	4,967.89	4	4,630.10	4	4,289.20	4	3,946.94	4	3,604.48	4	3,262.11	4	2,919.72
1/4		1/4		1/4		1/4	4,961.31	1/4	4,623.00	1/4	4,282.10	1/4	3,939.80	1/4	3,597.35	1/4	3,254.98	1/4	2,912.59
1/2		1/2		1/2		1/2	4,954.74	1/2	4,615.89	1/2	4,275.00	1/2	3,932.67	1/2	3,590.22	1/2	3,247.85	1/2	2,905.45
3/4		3/4		3/4		3/4	4,948.16	3/4	4,608.79	3/4	4,267.90	3/4	3,925.53	3/4	3,583.08	3/4	3,240.72	3/4	2,898.32
5		5		5		5	4,941.58	5	4,601.69	5	4,260.79	5	3,918.40	5	3,575.95	5	3,233.58	5	2,891.19
1/4		1/4		1/4		1/4	4,934.57	1/4	4,594.59	1/4	4,253.68	1/4	3,911.26	1/4	3,568.82	1/4	3,226.45	1/4	2,884.05
1/2		1/2		1/2		1/2	4,927.55	1/2	4,587.49	1/2	4,246.56	1/2	3,904.13	1/2	3,561.69	1/2	3,219.32	1/2	2,876.92
3/4		3/4		3/4		3/4	4,920.54	3/4	4,580.38	3/4	4,239.44	3/4	3,897.00	3/4	3,554.55	3/4	3,212.18	3/4	2,869.78
6		6		6		6	4,913.52	6	4,573.28	6	4,232.33	6	3,889.86	6	3,547.42	6	3,205.05	6	2,862.65
1/4		1/4		1/4		1/4	4,906.47	1/4	4,566.18	1/4	4,225.19	1/4	3,882.73	1/4	3,540.29	1/4	3,197.92	1/4	2,855.51
1/2		1/2		1/2		1/2	4,899.42	1/2	4,559.08	1/2	4,218.06	1/2	3,875.59	1/2	3,533.16	1/2	3,190.79	1/2	2,848.38
3/4		3/4		3/4		3/4	4,892.37	3/4	4,551.98	3/4	4,210.92	3/4	3,868.46	3/4	3,526.02	3/4	3,183.65	3/4	2,841.24
7		7		7		7	4,885.32	7	4,544.87	7	4,203.79	7	3,861.32	7	3,518.89	7	3,176.52	7	2,834.11
1/4		1/4		1/4		1/4	4,878.26	1/4	4,537.77	1/4	4,196.65	1/4	3,854.19	1/4	3,511.76	1/4	3,169.39	1/4	2,826.97
1/2		1/2		1/2		1/2	4,871.21	1/2	4,530.67	1/2	4,189.52	1/2	3,847.05	1/2	3,504.63	1/2	3,162.26	1/2	2,819.84
3/4		3/4		3/4		3/4	4,864.15	3/4	4,523.57	3/4	4,182.38	3/4	3,839.92	3/4	3,497.49	3/4	3,155.12	3/4	2,812.70
8		8		8		8	4,857.09	8	4,516.47	8	4,175.25	8	3,832.78	8	3,490.36	8	3,147.99	8	2,805.57
1/4		1/4		1/4		1/4	4,850.04	1/4	4,509.36	1/4	4,168.11	1/4	3,825.65	1/4	3,483.23	1/4	3,140.86	1/4	2,798.44
1/2		1/2		1/2		1/2	4,842.98	1/2	4,502.26	1/2	4,160.98	1/2	3,818.51	1/2	3,476.09	1/2	3,133.72	1/2	2,791.30
3/4		3/4		3/4		3/4	4,835.92	3/4	4,495.16	3/4	4,153.84	3/4	3,811.38	3/4	3,468.96	3/4	3,126.59	3/4	2,784.17
9		9		9		9	4,828.87	9	4,488.06	9	4,146.71	9	3,804.24	9	3,461.83	9	3,119.46	9	2,777.03
1/4		1/4		1/4		1/4	4,821.79	1/4	4,480.96	1/4	4,139.57	1/4	3,797.11	1/4	3,454.70	1/4	3,112.33	1/4	2,769.90
1/2		1/2		1/2		1/2	4,814.71	1/2	4,473.85	1/2	4,132.44	1/2	3,789.97	1/2	3,447.56	1/2	3,105.19	1/2	2,762.76
3/4		3/4		3/4		3/4	4,807.63	3/4	4,466.75	3/4	4,125.31	3/4	3,782.84	3/4	3,440.43	3/4	3,098.06	3/4	2,755.63
10		10		10		10	4,800.55	10	4,459.65	10	4,118.17	10	3,775.71	10	3,433.30	10	3,090.93	10	2,748.49
1/4		1/4		1/4		1/4	4,793.44	1/4	4,452.55	1/4	4,111.04	1/4	3,768.57	1/4	3,426.17	1/4	3,083.80	1/4	2,741.36
1/2		1/2		1/2		1/2	4,786.34	1/2	4,445.45	1/2	4,103.90	1/2	3,761.44	1/2	3,419.03	1/2	3,076.66	1/2	2,734.22
3/4		3/4		3/4		3/4	4,779.24	3/4	4,438.34	3/4	4,096.77	3/4	3,754.30	3/4	3,411.90	3/4	3,069.53	3/4	2,727.09
11		11		11	5,032.19	11	4,772.14	11	4,431.24	11	4,089.63	11	3,747.17	11	3,404.77	11	3,062.40	11	2,719.95
1/4		1/4		1/4	5,031.26	1/4	4,765.04	1/4	4,424.14	1/4	4,082.50	1/4	3,740.03	1/4	3,397.63	1/4	3,055.26	1/4	2,712.82
1/2		1/2		1/2	5,030.34	1/2	4,757.93	1/2	4,417.04	1/2	4,075.36	1/2	3,732.90	1/2	3,390.50	1/2	3,048.13	1/2	2,705.69
3/4		3/4		3/4	5,029.41	3/4	4,750.83	3/4	4,409.94	3/4	4,068.23	3/4	3,725.76	3/4	3,383.37	3/4	3,041.00	3/4	2,698.55

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

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BARGE "MPX 423"

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,691.42	0	2,348.95	0	2,006.46	0	1,663.98	0	1,321.49	0	979.72	0	639.16	0	303.81	0	20.47	0	
1/4	2,684.28	1/4	2,341.81	1/4	1,999.33	1/4	1,656.84	1/4	1,314.36	1/4	972.64	1/4	632.02	1/4	297.26	1/4	17.68	1/4	
1/2	2,677.15	1/2	2,334.68	1/2	1,992.19	1/2	1,649.71	1/2	1,307.22	1/2	965.57	1/2	624.89	1/2	290.71	1/2	14.88	1/2	
3/4	2,670.01	3/4	2,327.54	3/4	1,985.06	3/4	1,642.57	3/4	1,300.09	3/4	958.49	3/4	617.75	3/4	284.16	3/4	12.08	3/4	
1	2,662.88	1	2,320.41	1	1,977.92	1	1,635.44	1	1,292.95	1	951.42	1	610.62	1	277.60	1	9.29	1	
1/4	2,655.74	1/4	2,313.27	1/4	1,970.79	1/4	1,628.30	1/4	1,285.82	1/4	944.34	1/4	603.48	1/4	271.14	1/4	7.51	1/4	
1/2	2,648.61	1/2	2,306.14	1/2	1,963.65	1/2	1,621.17	1/2	1,278.68	1/2	937.27	1/2	596.35	1/2	264.67	1/2	5.72	1/2	
3/4	2,641.47	3/4	2,299.00	3/4	1,956.52	3/4	1,614.03	3/4	1,271.55	3/4	930.19	3/4	589.21	3/4	258.20	3/4	3.94	3/4	
2	2,634.34	2	2,291.87	2	1,949.38	2	1,606.90	2	1,264.41	2	923.12	2	582.08	2	251.73	2	2.15	2	
1/4	2,627.21	1/4	2,284.73	1/4	1,942.25	1/4	1,599.76	1/4	1,257.28	1/4	916.04	1/4	574.94	1/4	245.35	1/4		1/4	
1/2	2,620.08	1/2	2,277.60	1/2	1,935.11	1/2	1,592.63	1/2	1,250.14	1/2	908.97	1/2	567.81	1/2	238.96	1/2		1/2	
3/4	2,612.94	3/4	2,270.46	3/4	1,927.98	3/4	1,585.49	3/4	1,243.01	3/4	901.89	3/4	560.67	3/4	232.58	3/4		3/4	
3	2,605.81	3	2,263.33	3	1,920.84	3	1,578.36	3	1,235.87	3	894.82	3	553.54	3	226.19	3		3	
1/4	2,598.68	1/4	2,256.19	1/4	1,913.71	1/4	1,571.22	1/4	1,228.74	1/4	887.75	1/4	546.40	1/4	219.89	1/4		1/4	
1/2	2,591.54	1/2	2,249.06	1/2	1,906.57	1/2	1,564.09	1/2	1,221.60	1/2	880.67	1/2	539.27	1/2	213.59	1/2		1/2	
3/4	2,584.41	3/4	2,241.92	3/4	1,899.44	3/4	1,556.95	3/4	1,214.47	3/4	873.60	3/4	532.13	3/4	207.29	3/4		3/4	
4	2,577.27	4	2,234.79	4	1,892.30	4	1,549.82	4	1,207.33	4	866.52	4	525.00	4	200.99	4		4	
1/4	2,570.14	1/4	2,227.65	1/4	1,885.17	1/4	1,542.68	1/4	1,200.20	1/4	859.45	1/4	517.86	1/4	194.77	1/4		1/4	
1/2	2,563.00	1/2	2,220.52	1/2	1,878.03	1/2	1,535.55	1/2	1,193.06	1/2	852.37	1/2	510.73	1/2	188.55	1/2		1/2	
3/4	2,555.87	3/4	2,213.38	3/4	1,870.90	3/4	1,528.41	3/4	1,185.93	3/4	845.30	3/4	503.59	3/4	182.34	3/4		3/4	
5	2,548.73	5	2,206.25	5	1,863.76	5	1,521.28	5	1,178.79	5	838.22	5	496.46	5	176.12	5		5	
1/4	2,541.59	1/4	2,199.11	1/4	1,856.63	1/4	1,514.14	1/4	1,171.66	1/4	831.15	1/4	489.35	1/4	169.98	1/4		1/4	
1/2	2,534.46	1/2	2,191.98	1/2	1,849.49	1/2	1,507.01	1/2	1,164.52	1/2	824.07	1/2	482.24	1/2	163.85	1/2		1/2	
3/4	2,527.32	3/4	2,184.84	3/4	1,842.36	3/4	1,499.87	3/4	1,157.39	3/4	817.00	3/4	475.12	3/4	157.71	3/4		3/4	
6	2,520.19	6	2,177.70	6	1,835.22	6	1,492.74	6	1,150.25	6	809.93	6	468.01	6	151.58	6		6	
1/4	2,513.05	1/4	2,170.57	1/4	1,828.08	1/4	1,485.60	1/4	1,143.12	1/4	802.85	1/4	460.97	1/4	145.53	1/4		1/4	
1/2	2,505.92	1/2	2,163.43	1/2	1,820.95	1/2	1,478.47	1/2	1,135.98	1/2	795.77	1/2	453.92	1/2	139.48	1/2		1/2	
3/4	2,498.78	3/4	2,156.30	3/4	1,813.81	3/4	1,471.33	3/4	1,128.85	3/4	788.69	3/4	446.87	3/4	133.43	3/4		3/4	
7	2,491.65	7	2,149.16	7	1,806.68	7	1,464.19	7	1,121.71	7	781.61	7	439.83	7	127.38	7		7	
1/4	2,484.51	1/4	2,142.03	1/4	1,799.54	1/4	1,457.06	1/4	1,114.57	1/4	774.52	1/4	432.86	1/4	121.41	1/4		1/4	
1/2	2,477.38	1/2	2,134.89	1/2	1,792.41	1/2	1,449.92	1/2	1,107.44	1/2	767.43	1/2	425.90	1/2	115.44	1/2		1/2	
3/4	2,470.24	3/4	2,127.76	3/4	1,785.27	3/4	1,442.79	3/4	1,100.30	3/4	760.34	3/4	418.93	3/4	109.48	3/4		3/4	
8	2,463.11	8	2,120.62	8	1,778.14	8	1,435.65	8	1,093.17	8	753.24	8	411.97	8	103.51	8		8	
1/4	2,455.97	1/4	2,113.49	1/4	1,771.00	1/4	1,428.52	1/4	1,086.05	1/4	746.13	1/4	405.08	1/4	97.63	1/4		1/4	
1/2	2,448.84	1/2	2,106.35	1/2	1,763.87	1/2	1,421.38	1/2	1,078.93	1/2	739.01	1/2	398.20	1/2	91.75	1/2		1/2	
3/4	2,441.70	3/4	2,099.22	3/4	1,756.73	3/4	1,414.25	3/4	1,071.82	3/4	731.89	3/4	391.31	3/4	85.87	3/4		3/4	
9	2,434.57	9	2,092.08	9	1,749.60	9	1,407.11	9	1,064.70	9	724.78	9	384.43	9	79.99	9		9	
1/4	2,427.43	1/4	2,084.95	1/4	1,742.46	1/4	1,399.98	1/4	1,057.61	1/4	717.64	1/4	377.62	1/4	74.22	1/4		1/4	
1/2	2,420.30	1/2	2,077.81	1/2	1,735.33	1/2	1,392.84	1/2	1,050.51	1/2	710.51	1/2	370.82	1/2	68.44	1/2		1/2	
3/4	2,413.16	3/4	2,070.68	3/4	1,728.19	3/4	1,385.71	3/4	1,043.42	3/4	703.37	3/4	364.02	3/4	62.66	3/4		3/4	
10	2,406.03	10	2,063.54	10	1,721.06	10	1,378.57	10	1,036.33	10	696.24	10	357.22	10	56.88	10		10	
1/4	2,398.89	1/4	2,056.41	1/4	1,713.92	1/4	1,371.44	1/4	1,029.25	1/4	689.10	1/4	350.50	1/4	51.63	1/4		1/4	
1/2	2,391.76	1/2	2,049.27	1/2	1,706.79	1/2	1,364.30	1/2	1,022.17	1/2	681.97	1/2	343.78	1/2	46.38	1/2		1/2	
3/4	2,384.62	3/4	2,042.14	3/4	1,699.65	3/4	1,357.17	3/4	1,015.09	3/4	674.83	3/4	337.07	3/4	41.12	3/4		3/4	
11	2,377.49	11	2,035.00	11	1,692.52	11	1,350.03	11	1,008.01	11	667.70	11	330.35	11	35.87	11		11	
1/4	2,370.35	1/4	2,027.87	1/4	1,685.38	1/4	1,342.90	1/4	1,000.94	1/4	660.56	1/4	323.71	1/4	32.02	1/4		1/4	
1/2	2,363.22	1/2	2,020.73	1/2	1,678.25	1/2	1,335.76	1/2	993.87	1/2	653.43	1/2	317.08	1/2	28.17	1/2		1/2	
3/4	2,356.08	3/4	2,013.60	3/4	1,671.11	3/4	1,328.63	3/4	986.79	3/4	646.29	3/4	310.44	3/4	24.32	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/28/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

1 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-01 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		0	5,029.48	0	4,739.60	0	4,398.65	0	4,056.83	0	3,714.32	0	3,371.88	0	3,029.47
1/4		1/4		1/4		1/4	5,027.47	1/4	4,732.49	1/4	4,391.55	1/4	4,049.70	1/4	3,707.18	1/4	3,364.75	1/4	3,022.33
1/2		1/2		1/2		1/2	5,025.47	1/2	4,725.39	1/2	4,384.45	1/2	4,042.56	1/2	3,700.05	1/2	3,357.62	1/2	3,015.20
3/4		3/4		3/4		3/4	5,023.47	3/4	4,718.29	3/4	4,377.34	3/4	4,035.43	3/4	3,692.91	3/4	3,350.48	3/4	3,008.07
1		1		1		1	5,020.27	1	4,711.18	1	4,370.24	1	4,028.29	1	3,685.78	1	3,343.35	1	3,000.93
1/4		1/4		1/4		1/4	5,017.08	1/4	4,704.08	1/4	4,363.14	1/4	4,021.15	1/4	3,678.64	1/4	3,336.22	1/4	2,993.80
1/2		1/2		1/2		1/2	5,013.89	1/2	4,696.98	1/2	4,356.03	1/2	4,014.02	1/2	3,671.51	1/2	3,329.08	1/2	2,986.66
3/4		3/4		3/4		3/4	5,010.70	3/4	4,689.87	3/4	4,348.93	3/4	4,006.88	3/4	3,664.37	3/4	3,321.95	3/4	2,979.53
2		2		2		2	5,006.31	2	4,682.77	2	4,341.83	2	3,999.75	2	3,657.23	2	3,314.82	2	2,972.39
1/4		1/4		1/4		1/4	5,001.93	1/4	4,675.67	1/4	4,334.72	1/4	3,992.61	1/4	3,650.10	1/4	3,307.68	1/4	2,965.26
1/2		1/2		1/2		1/2	4,997.55	1/2	4,668.57	1/2	4,327.62	1/2	3,985.48	1/2	3,642.96	1/2	3,300.55	1/2	2,958.12
3/4		3/4		3/4		3/4	4,993.17	3/4	4,661.46	3/4	4,320.52	3/4	3,978.34	3/4	3,635.83	3/4	3,293.41	3/4	2,950.99
3		3		3		3	4,987.60	3	4,654.36	3	4,313.42	3	3,971.20	3	3,628.69	3	3,286.28	3	2,943.85
1/4		1/4		1/4		1/4	4,982.02	1/4	4,647.26	1/4	4,306.31	1/4	3,964.07	1/4	3,621.56	1/4	3,279.15	1/4	2,936.71
1/2		1/2		1/2		1/2	4,976.45	1/2	4,640.15	1/2	4,299.21	1/2	3,956.93	1/2	3,614.43	1/2	3,272.01	1/2	2,929.58
3/4		3/4		3/4		3/4	4,970.88	3/4	4,633.05	3/4	4,292.11	3/4	3,949.80	3/4	3,607.30	3/4	3,264.88	3/4	2,922.44
4		4		4		4	4,964.30	4	4,625.95	4	4,285.00	4	3,942.66	4	3,600.16	4	3,257.75	4	2,915.31
1/4		1/4		1/4		1/4	4,957.73	1/4	4,618.84	1/4	4,277.90	1/4	3,935.53	1/4	3,593.03	1/4	3,250.61	1/4	2,908.17
1/2		1/2		1/2		1/2	4,951.15	1/2	4,611.74	1/2	4,270.80	1/2	3,928.39	1/2	3,585.90	1/2	3,243.48	1/2	2,901.04
3/4		3/4		3/4		3/4	4,944.57	3/4	4,604.64	3/4	4,263.69	3/4	3,921.25	3/4	3,578.76	3/4	3,236.34	3/4	2,893.90
5		5		5		5	4,937.55	5	4,597.54	5	4,256.58	5	3,914.12	5	3,571.63	5	3,229.21	5	2,886.76
1/4		1/4		1/4		1/4	4,930.54	1/4	4,590.43	1/4	4,249.46	1/4	3,906.98	1/4	3,564.49	1/4	3,222.08	1/4	2,879.63
1/2		1/2		1/2		1/2	4,923.52	1/2	4,583.33	1/2	4,242.34	1/2	3,899.85	1/2	3,557.36	1/2	3,214.94	1/2	2,872.49
3/4		3/4		3/4		3/4	4,916.50	3/4	4,576.23	3/4	4,235.23	3/4	3,892.71	3/4	3,550.23	3/4	3,207.81	3/4	2,865.36
6		6		6		6	4,909.45	6	4,569.12	6	4,228.09	6	3,885.58	6	3,543.09	6	3,200.68	6	2,858.22
1/4		1/4		1/4		1/4	4,902.40	1/4	4,562.02	1/4	4,220.95	1/4	3,878.44	1/4	3,535.96	1/4	3,193.54	1/4	2,851.09
1/2		1/2		1/2		1/2	4,895.35	1/2	4,554.92	1/2	4,213.82	1/2	3,871.30	1/2	3,528.83	1/2	3,186.41	1/2	2,843.95
3/4		3/4		3/4		3/4	4,888.30	3/4	4,547.81	3/4	4,206.68	3/4	3,864.17	3/4	3,521.69	3/4	3,179.27	3/4	2,836.82
7		7		7		7	4,881.25	7	4,540.71	7	4,199.55	7	3,857.03	7	3,514.56	7	3,172.14	7	2,829.68
1/4		1/4		1/4		1/4	4,874.19	1/4	4,533.61	1/4	4,192.41	1/4	3,849.90	1/4	3,507.43	1/4	3,165.01	1/4	2,822.54
1/2		1/2		1/2		1/2	4,867.13	1/2	4,526.51	1/2	4,185.28	1/2	3,842.76	1/2	3,500.29	1/2	3,157.87	1/2	2,815.41
3/4		3/4		3/4		3/4	4,860.07	3/4	4,519.40	3/4	4,178.14	3/4	3,835.63	3/4	3,493.16	3/4	3,150.74	3/4	2,808.27
8		8		8		8	4,853.02	8	4,512.30	8	4,171.00	8	3,828.49	8	3,486.02	8	3,143.61	8	2,801.14
1/4		1/4		1/4		1/4	4,845.96	1/4	4,505.20	1/4	4,163.87	1/4	3,821.36	1/4	3,478.89	1/4	3,136.47	1/4	2,794.00
1/2		1/2		1/2		1/2	4,838.90	1/2	4,498.09	1/2	4,156.73	1/2	3,814.22	1/2	3,471.76	1/2	3,129.34	1/2	2,786.87
3/4		3/4		3/4		3/4	4,831.84	3/4	4,490.99	3/4	4,149.60	3/4	3,807.08	3/4	3,464.62	3/4	3,122.21	3/4	2,779.73
9		9		9		9	4,824.76	9	4,483.89	9	4,142.46	9	3,799.95	9	3,457.49	9	3,115.07	9	2,772.60
1/4		1/4		1/4		1/4	4,817.68	1/4	4,476.78	1/4	4,135.33	1/4	3,792.81	1/4	3,450.36	1/4	3,107.94	1/4	2,765.46
1/2		1/2		1/2		1/2	4,810.60	1/2	4,469.68	1/2	4,128.19	1/2	3,785.68	1/2	3,443.22	1/2	3,100.80	1/2	2,758.32
3/4		3/4		3/4		3/4	4,803.52	3/4	4,462.58	3/4	4,121.05	3/4	3,778.54	3/4	3,436.09	3/4	3,093.67	3/4	2,751.19
10		10		10		10	4,796.42	10	4,455.48	10	4,113.92	10	3,771.41	10	3,428.95	10	3,086.54	10	2,744.05
1/4		1/4		1/4		1/4	4,789.32	1/4	4,448.37	1/4	4,106.78	1/4	3,764.27	1/4	3,421.82	1/4	3,079.40	1/4	2,736.92
1/2		1/2		1/2		1/2	4,782.21	1/2	4,441.27	1/2	4,099.65	1/2	3,757.13	1/2	3,414.69	1/2	3,072.27	1/2	2,729.78
3/4		3/4		3/4		3/4	5,035.19	3/4	4,775.11	3/4	4,434.17	3/4	4,092.51	3/4	3,750.00	3/4	3,407.55	3/4	3,065.14
11		11		11		11	5,034.26	11	4,768.01	11	4,427.06	11	4,085.38	11	3,742.86	11	3,400.42	11	3,058.00
1/4		1/4		1/4		1/4	5,033.34	1/4	4,767.90	1/4	4,419.96	1/4	4,078.24	1/4	3,735.73	1/4	3,393.29	1/4	3,050.87
1/2		1/2		1/2		1/2	5,032.41	1/2	4,753.80	1/2	4,412.86	1/2	4,071.10	1/2	3,728.59	1/2	3,386.15	1/2	3,043.73
3/4		3/4		3/4		3/4	5,031.48	3/4	4,746.70	3/4	4,405.75	3/4	4,063.97	3/4	3,721.46	3/4	3,379.02	3/4	3,036.60

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 423"

1 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-01 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	2,686.97	0	2,344.44	0	2,001.91	0	1,659.38	0	1,316.85	0	974.39	0	632.09	0	297.25	0	17.67	0	
1/4	2,679.83	1/4	2,337.30	1/4	1,994.77	1/4	1,652.25	1/4	1,309.72	1/4	967.26	1/4	624.96	1/4	290.70	1/4	14.88	1/4	
1/2	2,672.70	1/2	2,330.17	1/2	1,987.64	1/2	1,645.11	1/2	1,302.58	1/2	960.14	1/2	617.82	1/2	284.15	1/2	12.08	1/2	
3/4	2,665.56	3/4	2,323.03	3/4	1,980.50	3/4	1,637.97	3/4	1,295.45	3/4	953.01	3/4	610.69	3/4	277.60	3/4	9.28	3/4	
1	2,658.43	1	2,315.89	1	1,973.37	1	1,630.84	1	1,288.31	1	945.88	1	603.55	1	271.13	1	7.50	1	
1/4	2,651.29	1/4	2,308.76	1/4	1,966.23	1/4	1,623.70	1/4	1,281.17	1/4	938.75	1/4	596.41	1/4	264.66	1/4	5.72	1/4	
1/2	2,644.15	1/2	2,301.62	1/2	1,959.09	1/2	1,616.57	1/2	1,274.04	1/2	931.63	1/2	589.28	1/2	258.19	1/2	3.93	1/2	
3/4	2,637.02	3/4	2,294.49	3/4	1,951.96	3/4	1,609.43	3/4	1,266.90	3/4	924.50	3/4	582.14	3/4	251.72	3/4	2.15	3/4	
2	2,629.88	2	2,287.35	2	1,944.82	2	1,602.29	2	1,259.77	2	917.37	2	575.01	2	245.34	2		2	
1/4	2,622.74	1/4	2,280.21	1/4	1,937.69	1/4	1,595.16	1/4	1,252.63	1/4	910.25	1/4	567.87	1/4	238.95	1/4		1/4	
1/2	2,615.61	1/2	2,273.08	1/2	1,930.55	1/2	1,588.02	1/2	1,245.49	1/2	903.12	1/2	560.73	1/2	232.57	1/2		1/2	
3/4	2,608.47	3/4	2,265.94	3/4	1,923.41	3/4	1,580.89	3/4	1,238.36	3/4	895.99	3/4	553.60	3/4	226.18	3/4		3/4	
3	2,601.33	3	2,258.81	3	1,916.28	3	1,573.75	3	1,231.22	3	888.86	3	546.46	3	219.88	3		3	
1/4	2,594.20	1/4	2,251.67	1/4	1,909.14	1/4	1,566.61	1/4	1,224.09	1/4	881.74	1/4	539.33	1/4	213.58	1/4		1/4	
1/2	2,587.06	1/2	2,244.53	1/2	1,902.01	1/2	1,559.48	1/2	1,216.95	1/2	874.61	1/2	532.19	1/2	207.28	1/2		1/2	
3/4	2,579.93	3/4	2,237.40	3/4	1,894.87	3/4	1,552.34	3/4	1,209.81	3/4	867.48	3/4	525.06	3/4	200.98	3/4		3/4	
4	2,572.79	4	2,230.26	4	1,887.73	4	1,545.21	4	1,202.68	4	860.36	4	517.92	4	194.76	4		4	
1/4	2,565.65	1/4	2,223.13	1/4	1,880.60	1/4	1,538.07	1/4	1,195.54	1/4	853.23	1/4	510.78	1/4	188.54	1/4		1/4	
1/2	2,558.52	1/2	2,215.99	1/2	1,873.46	1/2	1,530.93	1/2	1,188.41	1/2	846.10	1/2	503.65	1/2	182.32	1/2		1/2	
3/4	2,551.38	3/4	2,208.85	3/4	1,866.33	3/4	1,523.80	3/4	1,181.27	3/4	838.98	3/4	496.51	3/4	176.11	3/4		3/4	
5	2,544.25	5	2,201.72	5	1,859.19	5	1,516.66	5	1,174.13	5	831.85	5	489.40	5	169.97	5		5	
1/4	2,537.11	1/4	2,194.58	1/4	1,852.05	1/4	1,509.53	1/4	1,167.00	1/4	824.72	1/4	482.28	1/4	163.84	1/4		1/4	
1/2	2,529.97	1/2	2,187.45	1/2	1,844.92	1/2	1,502.39	1/2	1,159.86	1/2	817.59	1/2	475.17	1/2	157.70	1/2		1/2	
3/4	2,522.84	3/4	2,180.31	3/4	1,837.78	3/4	1,495.25	3/4	1,152.73	3/4	810.47	3/4	468.05	3/4	151.57	3/4		3/4	
6	2,515.70	6	2,173.17	6	1,830.65	6	1,488.12	6	1,145.59	6	803.34	6	461.00	6	145.52	6		6	
1/4	2,508.57	1/4	2,166.04	1/4	1,823.51	1/4	1,480.98	1/4	1,138.45	1/4	796.21	1/4	453.95	1/4	139.47	1/4		1/4	
1/2	2,501.43	1/2	2,158.90	1/2	1,816.37	1/2	1,473.85	1/2	1,131.32	1/2	789.07	1/2	446.90	1/2	133.42	1/2		1/2	
3/4	2,494.29	3/4	2,151.77	3/4	1,809.24	3/4	1,466.71	3/4	1,124.18	3/4	781.94	3/4	439.84	3/4	127.36	3/4		3/4	
7	2,487.16	7	2,144.63	7	1,802.10	7	1,459.57	7	1,117.05	7	774.81	7	432.87	7	121.40	7		7	
1/4	2,480.02	1/4	2,137.49	1/4	1,794.97	1/4	1,452.44	1/4	1,109.91	1/4	767.67	1/4	425.91	1/4	115.43	1/4		1/4	
1/2	2,472.89	1/2	2,130.36	1/2	1,787.83	1/2	1,445.30	1/2	1,102.77	1/2	760.54	1/2	418.94	1/2	109.46	1/2		1/2	
3/4	2,465.75	3/4	2,123.22	3/4	1,780.69	3/4	1,438.17	3/4	1,095.64	3/4	753.40	3/4	411.97	3/4	103.50	3/4		3/4	
8	2,458.61	8	2,116.09	8	1,773.56	8	1,431.03	8	1,088.50	8	746.27	8	405.08	8	97.62	8		8	
1/4	2,451.48	1/4	2,108.95	1/4	1,766.42	1/4	1,423.89	1/4	1,081.37	1/4	739.13	1/4	398.20	1/4	91.74	1/4		1/4	
1/2	2,444.34	1/2	2,101.81	1/2	1,759.29	1/2	1,416.76	1/2	1,074.23	1/2	731.99	1/2	391.31	1/2	85.86	1/2		1/2	
3/4	2,437.21	3/4	2,094.68	3/4	1,752.15	3/4	1,409.62	3/4	1,067.09	3/4	724.86	3/4	384.43	3/4	79.98	3/4		3/4	
9	2,430.07	9	2,087.54	9	1,745.01	9	1,402.49	9	1,059.96	9	717.72	9	377.62	9	74.21	9		9	
1/4	2,422.93	1/4	2,080.41	1/4	1,737.88	1/4	1,395.35	1/4	1,052.82	1/4	710.59	1/4	370.82	1/4	68.43	1/4		1/4	
1/2	2,415.80	1/2	2,073.27	1/2	1,730.74	1/2	1,388.21	1/2	1,045.69	1/2	703.45	1/2	364.02	1/2	62.65	1/2		1/2	
3/4	2,408.66	3/4	2,066.13	3/4	1,723.61	3/4	1,381.08	3/4	1,038.55	3/4	696.31	3/4	357.22	3/4	56.87	3/4		3/4	
10	2,401.53	10	2,059.00	10	1,716.47	10	1,373.94	10	1,031.42	10	689.18	10	350.50	10	51.62	10		10	
1/4	2,394.39	1/4	2,051.86	1/4	1,709.33	1/4	1,366.81	1/4	1,024.29	1/4	682.04	1/4	343.78	1/4	46.37	1/4		1/4	
1/2	2,387.25	1/2	2,044.73	1/2	1,702.20	1/2	1,359.67	1/2	1,017.16	1/2	674.91	1/2	337.06	1/2	41.12	1/2		1/2	
3/4	2,380.12	3/4	2,037.59	3/4	1,695.06	3/4	1,352.53	3/4	1,010.03	3/4	667.77	3/4	330.34	3/4	35.86	3/4		3/4	
11	2,372.98	11	2,030.45	11	1,687.93	11	1,345.40	11	1,002.90	11	660.64	11	323.71	11	32.02	11		11	
1/4	2,365.85	1/4	2,023.32	1/4	1,680.79	1/4	1,338.26	1/4	995.77	1/4	653.50	1/4	317.07	1/4	28.17	1/4		1/4	
1/2	2,358.71	1/2	2,016.18	1/2	1,673.65	1/2	1,331.13	1/2	988.64	1/2	646.36	1/2	310.44	1/2	24.32	1/2		1/2	
3/4	2,351.57	3/4	2,009.05	3/4	1,666.52	3/4	1,323.99	3/4	981.52	3/4	639.23	3/4	303.80	3/4	20.47	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/28/2021 CL
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PRINTED: 07/29/2021 JS

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

2 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-01 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		0	5,088.84	0	4,798.25	0	4,456.47	0	4,113.80	0	3,770.46	0	3,427.11	0	3,083.77
1/4		1/4		1/4		1/4	5,086.83	1/4	4,791.13	1/4	4,449.35	1/4	4,106.65	1/4	3,763.30	1/4	3,419.96	1/4	3,076.61
1/2		1/2		1/2		1/2	5,084.82	1/2	4,784.01	1/2	4,442.23	1/2	4,099.49	1/2	3,756.15	1/2	3,412.81	1/2	3,069.46
3/4		3/4		3/4		3/4	5,082.81	3/4	4,776.89	3/4	4,435.11	3/4	4,092.34	3/4	3,749.00	3/4	3,405.65	3/4	3,062.31
1		1		1		1	5,079.61	1	4,769.77	1	4,427.99	1	4,085.19	1	3,741.84	1	3,398.50	1	3,055.16
1/4		1/4		1/4		1/4	5,076.41	1/4	4,762.65	1/4	4,420.87	1/4	4,078.03	1/4	3,734.69	1/4	3,391.35	1/4	3,048.00
1/2		1/2		1/2		1/2	5,073.21	1/2	4,755.53	1/2	4,413.75	1/2	4,070.88	1/2	3,727.54	1/2	3,384.19	1/2	3,040.85
3/4		3/4		3/4		3/4	5,070.01	3/4	4,748.41	3/4	4,406.63	3/4	4,063.73	3/4	3,720.38	3/4	3,377.04	3/4	3,033.70
2		2		2		2	5,065.62	2	4,741.29	2	4,399.51	2	4,056.58	2	3,713.23	2	3,369.89	2	3,026.54
1/4		1/4		1/4		1/4	5,061.23	1/4	4,734.17	1/4	4,392.39	1/4	4,049.42	1/4	3,706.08	1/4	3,362.73	1/4	3,019.39
1/2		1/2		1/2		1/2	5,056.84	1/2	4,727.05	1/2	4,385.27	1/2	4,042.27	1/2	3,698.93	1/2	3,355.58	1/2	3,012.23
3/4		3/4		3/4		3/4	5,052.45	3/4	4,719.93	3/4	4,378.15	3/4	4,035.12	3/4	3,691.77	3/4	3,348.43	3/4	3,005.08
3		3		3		3	5,046.86	3	4,712.81	3	4,371.03	3	4,027.96	3	3,684.62	3	3,341.28	3	2,997.92
1/4		1/4		1/4		1/4	5,041.28	1/4	4,705.69	1/4	4,363.91	1/4	4,020.81	1/4	3,677.47	1/4	3,334.12	1/4	2,990.77
1/2		1/2		1/2		1/2	5,035.69	1/2	4,698.57	1/2	4,356.79	1/2	4,013.66	1/2	3,670.31	1/2	3,326.97	1/2	2,983.61
3/4		3/4		3/4		3/4	5,030.11	3/4	4,691.45	3/4	4,349.67	3/4	4,006.50	3/4	3,663.16	3/4	3,319.82	3/4	2,976.46
4		4		4		4	5,023.51	4	4,684.33	4	4,342.55	4	3,999.35	4	3,656.01	4	3,312.66	4	2,969.30
1/4		1/4		1/4		1/4	5,016.92	1/4	4,677.20	1/4	4,335.43	1/4	3,992.20	1/4	3,648.85	1/4	3,305.51	1/4	2,962.15
1/2		1/2		1/2		1/2	5,010.32	1/2	4,670.08	1/2	4,328.31	1/2	3,985.05	1/2	3,641.70	1/2	3,298.36	1/2	2,954.99
3/4		3/4		3/4		3/4	5,003.73	3/4	4,662.96	3/4	4,321.18	3/4	3,977.89	3/4	3,634.55	3/4	3,291.20	3/4	2,947.84
5		5		5		5	4,996.70	5	4,655.84	5	4,314.04	5	3,970.74	5	3,627.40	5	3,284.05	5	2,940.68
1/4		1/4		1/4		1/4	4,989.66	1/4	4,648.72	1/4	4,306.90	1/4	3,963.59	1/4	3,620.24	1/4	3,276.90	1/4	2,933.53
1/2		1/2		1/2		1/2	4,982.63	1/2	4,641.60	1/2	4,299.76	1/2	3,956.43	1/2	3,613.09	1/2	3,269.75	1/2	2,926.37
3/4		3/4		3/4		3/4	4,975.59	3/4	4,634.48	3/4	4,292.62	3/4	3,949.28	3/4	3,605.94	3/4	3,262.59	3/4	2,919.22
6		6		6		6	4,968.53	6	4,627.36	6	4,285.47	6	3,942.13	6	3,598.78	6	3,255.44	6	2,912.06
1/4		1/4		1/4		1/4	4,961.46	1/4	4,620.24	1/4	4,278.32	1/4	3,934.97	1/4	3,591.63	1/4	3,248.29	1/4	2,904.91
1/2		1/2		1/2		1/2	4,954.39	1/2	4,613.12	1/2	4,271.17	1/2	3,927.82	1/2	3,584.48	1/2	3,241.13	1/2	2,897.75
3/4		3/4		3/4		3/4	4,947.33	3/4	4,606.00	3/4	4,264.01	3/4	3,920.67	3/4	3,577.32	3/4	3,233.98	3/4	2,890.60
7		7		7		7	4,940.25	7	4,598.88	7	4,256.86	7	3,913.52	7	3,570.17	7	3,226.83	7	2,883.44
1/4		1/4		1/4		1/4	4,933.18	1/4	4,591.76	1/4	4,249.71	1/4	3,906.36	1/4	3,563.02	1/4	3,219.67	1/4	2,876.29
1/2		1/2		1/2		1/2	4,926.11	1/2	4,584.64	1/2	4,242.55	1/2	3,899.21	1/2	3,555.87	1/2	3,212.52	1/2	2,869.13
3/4		3/4		3/4		3/4	4,919.03	3/4	4,577.52	3/4	4,235.40	3/4	3,892.06	3/4	3,548.71	3/4	3,205.37	3/4	2,861.98
8		8		8		8	4,911.96	8	4,570.40	8	4,228.25	8	3,884.90	8	3,541.56	8	3,198.22	8	2,854.82
1/4		1/4		1/4		1/4	4,904.88	1/4	4,563.28	1/4	4,221.09	1/4	3,877.75	1/4	3,534.41	1/4	3,191.06	1/4	2,847.67
1/2		1/2		1/2		1/2	4,897.80	1/2	4,556.16	1/2	4,213.94	1/2	3,870.60	1/2	3,527.25	1/2	3,183.91	1/2	2,840.51
3/4		3/4		3/4		3/4	4,890.73	3/4	4,549.04	3/4	4,206.79	3/4	3,863.44	3/4	3,520.10	3/4	3,176.76	3/4	2,833.36
9		9		9		9	4,883.63	9	4,541.92	9	4,199.64	9	3,856.29	9	3,512.95	9	3,169.60	9	2,826.20
1/4		1/4		1/4		1/4	4,876.53	1/4	4,534.80	1/4	4,192.48	1/4	3,849.14	1/4	3,505.79	1/4	3,162.45	1/4	2,819.05
1/2		1/2		1/2		1/2	4,869.43	1/2	4,527.68	1/2	4,185.33	1/2	3,841.99	1/2	3,498.64	1/2	3,155.30	1/2	2,811.89
3/4		3/4		3/4		3/4	4,862.34	3/4	4,520.56	3/4	4,178.18	3/4	3,834.83	3/4	3,491.49	3/4	3,148.14	3/4	2,804.74
10		10		10		10	4,855.21	10	4,513.44	10	4,171.02	10	3,827.68	10	3,484.34	10	3,140.99	10	2,797.58
1/4		1/4		1/4		1/4	4,848.09	1/4	4,506.32	1/4	4,163.87	1/4	3,820.53	1/4	3,477.18	1/4	3,133.84	1/4	2,790.43
1/2		1/2		1/2		1/2	4,840.97	1/2	4,499.19	1/2	4,156.72	1/2	3,813.37	1/2	3,470.03	1/2	3,126.69	1/2	2,783.27
3/4		3/4		3/4		3/4	5,094.56	3/4	4,833.85	3/4	4,492.07	3/4	4,149.56	3/4	3,806.22	3/4	3,462.88	3/4	3,119.53
11		11		11		11	5,093.63	11	4,826.73	11	4,484.95	11	4,142.41	11	3,799.07	11	3,455.72	11	3,112.38
1/4		1/4		1/4		1/4	5,092.70	1/4	4,819.61	1/4	4,477.83	1/4	4,135.26	1/4	3,791.91	1/4	3,448.57	1/4	3,105.23
1/2		1/2		1/2		1/2	5,091.77	1/2	4,812.49	1/2	4,470.71	1/2	4,128.11	1/2	3,784.76	1/2	3,441.42	1/2	3,098.07
3/4		3/4		3/4		3/4	5,090.84	3/4	4,805.37	3/4	4,463.59	3/4	4,120.95	3/4	3,777.61	3/4	3,434.26	3/4	3,090.92

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "MPX 423"

2 PORT ULLAGE TABLE 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-01 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,740.34	0	2,396.90	0	2,053.45	0	1,710.01	0	1,366.56	0	1,027.60	0	694.18	0	350.75	0	20.04	0	
1/4	2,733.19	1/4	2,389.74	1/4	2,046.30	1/4	1,702.85	1/4	1,359.41	1/4	1,020.75	1/4	687.03	1/4	343.60	1/4	16.46	1/4	
1/2	2,726.03	1/2	2,382.59	1/2	2,039.14	1/2	1,695.70	1/2	1,352.25	1/2	1,013.90	1/2	679.87	1/2	336.44	1/2	12.88	1/2	
3/4	2,718.87	3/4	2,375.43	3/4	2,031.99	3/4	1,688.54	3/4	1,345.10	3/4	1,007.06	3/4	672.72	3/4	329.29	3/4	9.31	3/4	
1	2,711.72	1	2,368.27	1	2,024.83	1	1,681.39	1	1,337.94	1	1,000.21	1	665.56	1	322.13	1	7.52	1	
1/4	2,704.56	1/4	2,361.12	1/4	2,017.68	1/4	1,674.23	1/4	1,330.79	1/4	993.36	1/4	658.41	1/4	314.98	1/4	5.73	1/4	
1/2	2,697.41	1/2	2,353.96	1/2	2,010.52	1/2	1,667.08	1/2	1,323.63	1/2	986.51	1/2	651.25	1/2	307.82	1/2	3.94	1/2	
3/4	2,690.25	3/4	2,346.81	3/4	2,003.36	3/4	1,659.92	3/4	1,316.48	3/4	979.67	3/4	644.10	3/4	300.67	3/4	2.16	3/4	
2	2,683.10	2	2,339.65	2	1,996.21	2	1,652.76	2	1,309.32	2	972.82	2	636.94	2	293.51	2		2	
1/4	2,675.94	1/4	2,332.50	1/4	1,989.05	1/4	1,645.61	1/4	1,302.17	1/4	965.97	1/4	629.79	1/4	286.36	1/4		1/4	
1/2	2,668.79	1/2	2,325.34	1/2	1,981.90	1/2	1,638.45	1/2	1,295.01	1/2	959.12	1/2	622.63	1/2	279.20	1/2		1/2	
3/4	2,661.63	3/4	2,318.19	3/4	1,974.74	3/4	1,631.30	3/4	1,287.85	3/4	952.28	3/4	615.48	3/4	272.05	3/4		3/4	
3	2,654.48	3	2,311.03	3	1,967.59	3	1,624.14	3	1,280.70	3	945.43	3	608.32	3	264.89	3		3	
1/4	2,647.32	1/4	2,303.88	1/4	1,960.43	1/4	1,616.99	1/4	1,273.54	1/4	938.58	1/4	601.17	1/4	257.74	1/4		1/4	
1/2	2,640.17	1/2	2,296.72	1/2	1,953.28	1/2	1,609.83	1/2	1,266.39	1/2	931.74	1/2	594.01	1/2	250.58	1/2		1/2	
3/4	2,633.01	3/4	2,289.57	3/4	1,946.12	3/4	1,602.68	3/4	1,259.23	3/4	924.89	3/4	586.86	3/4	243.43	3/4		3/4	
4	2,625.86	4	2,282.41	4	1,938.97	4	1,595.52	4	1,252.08	4	918.04	4	579.70	4	236.27	4		4	
1/4	2,618.70	1/4	2,275.26	1/4	1,931.81	1/4	1,588.37	1/4	1,244.92	1/4	911.19	1/4	572.55	1/4	229.12	1/4		1/4	
1/2	2,611.55	1/2	2,268.10	1/2	1,924.66	1/2	1,581.21	1/2	1,237.77	1/2	904.35	1/2	565.39	1/2	221.96	1/2		1/2	
3/4	2,604.39	3/4	2,260.95	3/4	1,917.50	3/4	1,574.06	3/4	1,230.61	3/4	897.50	3/4	558.24	3/4	214.81	3/4		3/4	
5	2,597.24	5	2,253.79	5	1,910.35	5	1,566.90	5	1,223.46	5	890.65	5	551.08	5	207.65	5		5	
1/4	2,590.08	1/4	2,246.64	1/4	1,903.19	1/4	1,559.75	1/4	1,216.30	1/4	883.81	1/4	543.93	1/4	200.50	1/4		1/4	
1/2	2,582.93	1/2	2,239.48	1/2	1,896.04	1/2	1,552.59	1/2	1,209.15	1/2	876.96	1/2	536.77	1/2	193.34	1/2		1/2	
3/4	2,575.77	3/4	2,232.33	3/4	1,888.88	3/4	1,545.44	3/4	1,201.99	3/4	870.11	3/4	529.62	3/4	186.19	3/4		3/4	
6	2,568.62	6	2,225.17	6	1,881.73	6	1,538.28	6	1,194.84	6	863.26	6	522.47	6	179.03	6		6	
1/4	2,561.46	1/4	2,218.02	1/4	1,874.57	1/4	1,531.13	1/4	1,187.68	1/4	856.41	1/4	515.31	1/4	171.88	1/4		1/4	
1/2	2,554.31	1/2	2,210.86	1/2	1,867.42	1/2	1,523.97	1/2	1,180.53	1/2	849.56	1/2	508.16	1/2	164.73	1/2		1/2	
3/4	2,547.15	3/4	2,203.71	3/4	1,860.26	3/4	1,516.82	3/4	1,173.37	3/4	842.71	3/4	501.00	3/4	157.57	3/4		3/4	
7	2,540.00	7	2,196.55	7	1,853.11	7	1,509.66	7	1,166.22	7	835.84	7	493.85	7	150.42	7		7	
1/4	2,532.84	1/4	2,189.40	1/4	1,845.95	1/4	1,502.51	1/4	1,159.06	1/4	828.98	1/4	486.69	1/4	143.26	1/4		1/4	
1/2	2,525.69	1/2	2,182.24	1/2	1,838.80	1/2	1,495.35	1/2	1,151.91	1/2	822.12	1/2	479.54	1/2	136.11	1/2		1/2	
3/4	2,518.53	3/4	2,175.09	3/4	1,831.64	3/4	1,488.20	3/4	1,144.75	3/4	815.25	3/4	472.38	3/4	128.95	3/4		3/4	
8	2,511.38	8	2,167.93	8	1,824.49	8	1,481.04	8	1,137.74	8	808.24	8	465.23	8	121.80	8		8	
1/4	2,504.22	1/4	2,160.78	1/4	1,817.33	1/4	1,473.89	1/4	1,130.73	1/4	801.22	1/4	458.07	1/4	114.66	1/4		1/4	
1/2	2,497.07	1/2	2,153.62	1/2	1,810.18	1/2	1,466.73	1/2	1,123.71	1/2	794.21	1/2	450.92	1/2	107.51	1/2		1/2	
3/4	2,489.91	3/4	2,146.47	3/4	1,803.02	3/4	1,459.58	3/4	1,116.70	3/4	787.19	3/4	443.76	3/4	100.36	3/4		3/4	
9	2,482.76	9	2,139.31	9	1,795.87	9	1,452.42	9	1,109.83	9	780.04	9	436.61	9	93.23	9		9	
1/4	2,475.60	1/4	2,132.16	1/4	1,788.71	1/4	1,445.27	1/4	1,102.97	1/4	772.88	1/4	429.45	1/4	86.10	1/4		1/4	
1/2	2,468.45	1/2	2,125.00	1/2	1,781.56	1/2	1,438.11	1/2	1,096.11	1/2	765.73	1/2	422.30	1/2	78.96	1/2		1/2	
3/4	2,461.29	3/4	2,117.85	3/4	1,774.40	3/4	1,430.96	3/4	1,089.24	3/4	758.57	3/4	415.14	3/4	71.83	3/4		3/4	
10	2,454.14	10	2,110.69	10	1,767.25	10	1,423.80	10	1,082.39	10	751.42	10	407.99	10	65.14	10		10	
1/4	2,446.98	1/4	2,103.54	1/4	1,760.09	1/4	1,416.65	1/4	1,075.54	1/4	744.26	1/4	400.83	1/4	58.45	1/4		1/4	
1/2	2,439.83	1/2	2,096.38	1/2	1,752.94	1/2	1,409.49	1/2	1,068.69	1/2	737.11	1/2	393.68	1/2	51.77	1/2		1/2	
3/4	2,432.67	3/4	2,089.23	3/4	1,745.78	3/4	1,402.34	3/4	1,061.83	3/4	729.95	3/4	386.52	3/4	45.08	3/4		3/4	
11	2,425.52	11	2,082.07	11	1,738.63	11	1,395.18	11	1,054.99	11	722.80	11	379.37	11	39.71	11		11	
1/4	2,418.36	1/4	2,074.92	1/4	1,731.47	1/4	1,388.03	1/4	1,048.14	1/4	715.64	1/4	372.21	1/4	34.35	1/4		1/4	
1/2	2,411.21	1/2	2,067.76	1/2	1,724.32	1/2	1,380.87	1/2	1,041.29	1/2	708.49	1/2	365.06	1/2	28.98	1/2		1/2	
3/4	2,404.05	3/4	2,060.61	3/4	1,717.16	3/4	1,373.72	3/4	1,034.45	3/4	701.34	3/4	357.90	3/4	23.62	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/28/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

2 STBD ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,106.50	0	4,820.86	0	4,478.91	0	4,136.10	0	3,792.57	0	3,449.12	0	3,105.68
1/4		1/4		1/4		1/4	5,104.49	1/4	4,813.74	1/4	4,471.78	1/4	4,128.94	1/4	3,785.42	1/4	3,441.96	1/4	3,098.53
1/2		1/2		1/2		1/2	5,102.48	1/2	4,806.62	1/2	4,464.66	1/2	4,121.79	1/2	3,778.26	1/2	3,434.81	1/2	3,091.38
3/4		3/4		3/4		3/4	5,100.47	3/4	4,799.49	3/4	4,457.53	3/4	4,114.63	3/4	3,771.10	3/4	3,427.65	3/4	3,084.22
1		1		1		1	5,098.46	1	4,792.37	1	4,450.41	1	4,107.47	1	3,763.95	1	3,420.50	1	3,077.07
1/4		1/4		1/4		1/4	5,095.26	1/4	4,785.24	1/4	4,443.29	1/4	4,100.32	1/4	3,756.79	1/4	3,413.34	1/4	3,069.91
1/2		1/2		1/2		1/2	5,092.05	1/2	4,778.12	1/2	4,436.16	1/2	4,093.16	1/2	3,749.63	1/2	3,406.19	1/2	3,062.75
3/4		3/4		3/4		3/4	5,088.85	3/4	4,770.99	3/4	4,429.04	3/4	4,086.00	3/4	3,742.48	3/4	3,399.03	3/4	3,055.60
2		2		2		2	5,085.65	2	4,763.87	2	4,421.91	2	4,078.85	2	3,735.32	2	3,391.88	2	3,048.44
1/4		1/4		1/4		1/4	5,081.25	1/4	4,756.75	1/4	4,414.79	1/4	4,071.69	1/4	3,728.16	1/4	3,384.72	1/4	3,041.29
1/2		1/2		1/2		1/2	5,076.86	1/2	4,749.62	1/2	4,407.67	1/2	4,064.53	1/2	3,721.01	1/2	3,377.57	1/2	3,034.13
3/4		3/4		3/4		3/4	5,072.46	3/4	4,742.50	3/4	4,400.54	3/4	4,057.37	3/4	3,713.85	3/4	3,370.41	3/4	3,026.97
3		3		3		3	5,068.07	3	4,735.37	3	4,393.42	3	4,050.22	3	3,706.69	3	3,363.26	3	3,019.82
1/4		1/4		1/4		1/4	5,062.48	1/4	4,728.25	1/4	4,386.29	1/4	4,043.06	1/4	3,699.54	1/4	3,356.10	1/4	3,012.66
1/2		1/2		1/2		1/2	5,056.89	1/2	4,721.13	1/2	4,379.17	1/2	4,035.90	1/2	3,692.38	1/2	3,348.95	1/2	3,005.50
3/4		3/4		3/4		3/4	5,051.30	3/4	4,714.00	3/4	4,372.05	3/4	4,028.75	3/4	3,685.22	3/4	3,341.79	3/4	2,998.34
4		4		4		4	5,045.72	4	4,706.88	4	4,364.92	4	4,021.59	4	3,678.07	4	3,334.64	4	2,991.19
1/4		1/4		1/4		1/4	5,039.12	1/4	4,699.75	1/4	4,357.80	1/4	4,014.43	1/4	3,670.91	1/4	3,327.48	1/4	2,984.03
1/2		1/2		1/2		1/2	5,032.52	1/2	4,692.63	1/2	4,350.67	1/2	4,007.28	1/2	3,663.76	1/2	3,320.33	1/2	2,976.87
3/4		3/4		3/4		3/4	5,025.92	3/4	4,685.51	3/4	4,343.55	3/4	4,000.12	3/4	3,656.60	3/4	3,313.17	3/4	2,969.72
5		5		5		5	5,019.33	5	4,678.38	5	4,336.42	5	3,992.96	5	3,649.45	5	3,306.02	5	2,962.56
1/4		1/4		1/4		1/4	5,012.29	1/4	4,671.26	1/4	4,329.28	1/4	3,985.81	1/4	3,642.29	1/4	3,298.86	1/4	2,955.40
1/2		1/2		1/2		1/2	5,005.25	1/2	4,664.13	1/2	4,322.14	1/2	3,978.65	1/2	3,635.14	1/2	3,291.71	1/2	2,948.25
3/4		3/4		3/4		3/4	4,998.21	3/4	4,657.01	3/4	4,315.00	3/4	3,971.49	3/4	3,627.99	3/4	3,284.55	3/4	2,941.09
6		6		6		6	4,991.18	6	4,649.89	6	4,307.86	6	3,964.34	6	3,620.83	6	3,277.40	6	2,933.93
1/4		1/4		1/4		1/4	4,984.11	1/4	4,642.76	1/4	4,300.71	1/4	3,957.18	1/4	3,613.68	1/4	3,270.25	1/4	2,926.78
1/2		1/2		1/2		1/2	4,977.03	1/2	4,635.64	1/2	4,293.55	1/2	3,950.02	1/2	3,606.52	1/2	3,263.09	1/2	2,919.62
3/4		3/4		3/4		3/4	4,969.96	3/4	4,628.51	3/4	4,286.39	3/4	3,942.87	3/4	3,599.37	3/4	3,255.94	3/4	2,912.46
7		7		7		7	4,962.89	7	4,621.39	7	4,279.24	7	3,935.71	7	3,592.21	7	3,248.78	7	2,905.31
1/4		1/4		1/4		1/4	4,955.81	1/4	4,614.26	1/4	4,272.08	1/4	3,928.55	1/4	3,585.06	1/4	3,241.63	1/4	2,898.15
1/2		1/2		1/2		1/2	4,948.74	1/2	4,607.14	1/2	4,264.92	1/2	3,921.40	1/2	3,577.90	1/2	3,234.47	1/2	2,890.99
3/4		3/4		3/4		3/4	4,941.66	3/4	4,600.02	3/4	4,257.77	3/4	3,914.24	3/4	3,570.75	3/4	3,227.32	3/4	2,883.84
8		8		8		8	4,934.58	8	4,592.89	8	4,250.61	8	3,907.08	8	3,563.59	8	3,220.16	8	2,876.68
1/4		1/4		1/4		1/4	4,927.50	1/4	4,585.77	1/4	4,243.45	1/4	3,899.93	1/4	3,556.44	1/4	3,213.01	1/4	2,869.52
1/2		1/2		1/2		1/2	4,920.42	1/2	4,578.64	1/2	4,236.29	1/2	3,892.77	1/2	3,549.28	1/2	3,205.85	1/2	2,862.37
3/4		3/4		3/4		3/4	4,913.34	3/4	4,571.52	3/4	4,229.14	3/4	3,885.61	3/4	3,542.13	3/4	3,198.70	3/4	2,855.21
9		9		9		9	4,906.26	9	4,564.40	9	4,221.98	9	3,878.45	9	3,534.97	9	3,191.54	9	2,848.05
1/4		1/4		1/4		1/4	4,899.16	1/4	4,557.27	1/4	4,214.82	1/4	3,871.30	1/4	3,527.82	1/4	3,184.39	1/4	2,840.90
1/2		1/2		1/2		1/2	4,892.06	1/2	4,550.15	1/2	4,207.67	1/2	3,864.14	1/2	3,520.66	1/2	3,177.23	1/2	2,833.74
3/4		3/4		3/4		3/4	4,884.96	3/4	4,543.02	3/4	4,200.51	3/4	3,856.98	3/4	3,513.51	3/4	3,170.08	3/4	2,826.58
10		10		10		10	4,877.86	10	4,535.90	10	4,193.35	10	3,849.83	10	3,506.35	10	3,162.92	10	2,819.42
1/4		1/4		1/4		1/4	4,870.73	1/4	4,528.78	1/4	4,186.20	1/4	3,842.67	1/4	3,499.20	1/4	3,155.77	1/4	2,812.27
1/2		1/2		1/2		1/2	4,863.61	1/2	4,521.65	1/2	4,179.04	1/2	3,835.51	1/2	3,492.04	1/2	3,148.61	1/2	2,805.11
3/4		3/4		3/4		3/4	4,856.48	3/4	4,514.53	3/4	4,171.88	3/4	3,828.36	3/4	3,484.89	3/4	3,141.46	3/4	2,797.95
11		11		11	5,110.22	11	4,849.36	11	4,507.40	11	4,164.73	11	3,821.20	11	3,477.73	11	3,134.30	11	2,790.80
1/4		1/4		1/4	5,109.29	1/4	4,842.24	1/4	4,500.28	1/4	4,157.57	1/4	3,814.04	1/4	3,470.58	1/4	3,127.15	1/4	2,783.64
1/2		1/2		1/2	5,108.36	1/2	4,835.11	1/2	4,493.16	1/2	4,150.41	1/2	3,806.89	1/2	3,463.42	1/2	3,119.99	1/2	2,776.48
3/4		3/4		3/4	5,107.43	3/4	4,827.99	3/4	4,486.03	3/4	4,143.26	3/4	3,799.73	3/4	3,456.27	3/4	3,112.84	3/4	2,769.33

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "MPX 423"

2 STBD

ULLAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,762.17	0	2,418.64	0	2,075.12	0	1,731.59	0	1,388.06	0	1,044.65	0	701.51	0	358.00	0	23.63	0	
1/4	2,755.01	1/4	2,411.49	1/4	2,067.96	1/4	1,724.43	1/4	1,380.91	1/4	1,037.50	1/4	694.35	1/4	350.84	1/4	20.05	1/4	
1/2	2,747.86	1/2	2,404.33	1/2	2,060.80	1/2	1,717.28	1/2	1,373.75	1/2	1,030.36	1/2	687.20	1/2	343.68	1/2	16.47	1/2	
3/4	2,740.70	3/4	2,397.17	3/4	2,053.65	3/4	1,710.12	3/4	1,366.59	3/4	1,023.22	3/4	680.04	3/4	336.53	3/4	12.89	3/4	
1	2,733.54	1	2,390.02	1	2,046.49	1	1,702.96	1	1,359.44	1	1,016.07	1	672.88	1	329.37	1	9.32	1	
1/4	2,726.39	1/4	2,382.86	1/4	2,039.33	1/4	1,695.81	1/4	1,352.28	1/4	1,008.93	1/4	665.73	1/4	322.22	1/4	7.53	1/4	
1/2	2,719.23	1/2	2,375.70	1/2	2,032.18	1/2	1,688.65	1/2	1,345.12	1/2	1,001.79	1/2	658.57	1/2	315.06	1/2	5.74	1/2	
3/4	2,712.07	3/4	2,368.55	3/4	2,025.02	3/4	1,681.49	3/4	1,337.97	3/4	994.65	3/4	651.41	3/4	307.90	3/4	3.95	3/4	
2	2,704.92	2	2,361.39	2	2,017.86	2	1,674.34	2	1,330.81	2	987.50	2	644.26	2	300.75	2	2.16	2	
1/4	2,697.76	1/4	2,354.23	1/4	2,010.71	1/4	1,667.18	1/4	1,323.65	1/4	980.36	1/4	637.10	1/4	293.59	1/4		1/4	
1/2	2,690.60	1/2	2,347.08	1/2	2,003.55	1/2	1,660.02	1/2	1,316.50	1/2	973.22	1/2	629.94	1/2	286.43	1/2		1/2	
3/4	2,683.45	3/4	2,339.92	3/4	1,996.39	3/4	1,652.87	3/4	1,309.34	3/4	966.08	3/4	622.79	3/4	279.28	3/4		3/4	
3	2,676.29	3	2,332.76	3	1,989.24	3	1,645.71	3	1,302.18	3	958.93	3	615.63	3	272.12	3		3	
1/4	2,669.13	1/4	2,325.61	1/4	1,982.08	1/4	1,638.55	1/4	1,295.03	1/4	951.79	1/4	608.48	1/4	264.96	1/4		1/4	
1/2	2,661.98	1/2	2,318.45	1/2	1,974.92	1/2	1,631.40	1/2	1,287.87	1/2	944.65	1/2	601.32	1/2	257.81	1/2		1/2	
3/4	2,654.82	3/4	2,311.29	3/4	1,967.77	3/4	1,624.24	3/4	1,280.71	3/4	937.50	3/4	594.16	3/4	250.65	3/4		3/4	
4	2,647.66	4	2,304.14	4	1,960.61	4	1,617.08	4	1,273.56	4	930.36	4	587.01	4	243.49	4		4	
1/4	2,640.50	1/4	2,296.98	1/4	1,953.45	1/4	1,609.93	1/4	1,266.40	1/4	923.22	1/4	579.85	1/4	236.34	1/4		1/4	
1/2	2,633.35	1/2	2,289.82	1/2	1,946.30	1/2	1,602.77	1/2	1,259.24	1/2	916.08	1/2	572.69	1/2	229.18	1/2		1/2	
3/4	2,626.19	3/4	2,282.66	3/4	1,939.14	3/4	1,595.61	3/4	1,252.09	3/4	908.93	3/4	565.54	3/4	222.02	3/4		3/4	
5	2,619.03	5	2,275.51	5	1,931.98	5	1,588.46	5	1,244.93	5	901.79	5	558.38	5	214.87	5		5	
1/4	2,611.88	1/4	2,268.35	1/4	1,924.82	1/4	1,581.30	1/4	1,237.77	1/4	894.65	1/4	551.22	1/4	207.71	1/4		1/4	
1/2	2,604.72	1/2	2,261.19	1/2	1,917.67	1/2	1,574.14	1/2	1,230.62	1/2	887.51	1/2	544.07	1/2	200.55	1/2		1/2	
3/4	2,597.56	3/4	2,254.04	3/4	1,910.51	3/4	1,566.98	3/4	1,223.46	3/4	880.36	3/4	536.91	3/4	193.40	3/4		3/4	
6	2,590.41	6	2,246.88	6	1,903.35	6	1,559.83	6	1,216.30	6	873.22	6	529.75	6	186.24	6		6	
1/4	2,583.25	1/4	2,239.72	1/4	1,896.20	1/4	1,552.67	1/4	1,209.14	1/4	866.08	1/4	522.60	1/4	179.09	1/4		1/4	
1/2	2,576.09	1/2	2,232.57	1/2	1,889.04	1/2	1,545.51	1/2	1,201.99	1/2	858.93	1/2	515.44	1/2	171.93	1/2		1/2	
3/4	2,568.94	3/4	2,225.41	3/4	1,881.88	3/4	1,538.36	3/4	1,194.83	3/4	851.78	3/4	508.28	3/4	164.77	3/4		3/4	
7	2,561.78	7	2,218.25	7	1,874.73	7	1,531.20	7	1,187.67	7	844.64	7	501.13	7	157.62	7		7	
1/4	2,554.62	1/4	2,211.10	1/4	1,867.57	1/4	1,524.04	1/4	1,180.52	1/4	837.48	1/4	493.97	1/4	150.46	1/4		1/4	
1/2	2,547.47	1/2	2,203.94	1/2	1,860.41	1/2	1,516.89	1/2	1,173.36	1/2	830.32	1/2	486.81	1/2	143.30	1/2		1/2	
3/4	2,540.31	3/4	2,196.78	3/4	1,853.26	3/4	1,509.73	3/4	1,166.20	3/4	823.17	3/4	479.66	3/4	136.15	3/4		3/4	
8	2,533.15	8	2,189.63	8	1,846.10	8	1,502.57	8	1,159.05	8	816.01	8	472.50	8	128.99	8		8	
1/4	2,526.00	1/4	2,182.47	1/4	1,838.94	1/4	1,495.42	1/4	1,151.89	1/4	808.86	1/4	465.35	1/4	121.84	1/4		1/4	
1/2	2,518.84	1/2	2,175.31	1/2	1,831.79	1/2	1,488.26	1/2	1,144.73	1/2	801.70	1/2	458.19	1/2	114.69	1/2		1/2	
3/4	2,511.68	3/4	2,168.16	3/4	1,824.63	3/4	1,481.10	3/4	1,137.58	3/4	794.54	3/4	451.03	3/4	107.54	3/4		3/4	
9	2,504.53	9	2,161.00	9	1,817.47	9	1,473.95	9	1,130.42	9	787.39	9	443.88	9	100.39	9		9	
1/4	2,497.37	1/4	2,153.84	1/4	1,810.32	1/4	1,466.79	1/4	1,123.27	1/4	780.23	1/4	436.72	1/4	93.26	1/4		1/4	
1/2	2,490.21	1/2	2,146.69	1/2	1,803.16	1/2	1,459.63	1/2	1,116.11	1/2	773.07	1/2	429.56	1/2	86.12	1/2		1/2	
3/4	2,483.06	3/4	2,139.53	3/4	1,796.00	3/4	1,452.48	3/4	1,108.96	3/4	765.92	3/4	422.41	3/4	78.99	3/4		3/4	
10	2,475.90	10	2,132.37	10	1,788.85	10	1,445.32	10	1,101.80	10	758.76	10	415.25	10	71.86	10		10	
1/4	2,468.74	1/4	2,125.22	1/4	1,781.69	1/4	1,438.16	1/4	1,094.66	1/4	751.61	1/4	408.09	1/4	65.17	1/4		1/4	
1/2	2,461.58	1/2	2,118.06	1/2	1,774.53	1/2	1,431.01	1/2	1,087.51	1/2	744.45	1/2	400.94	1/2	58.48	1/2		1/2	
3/4	2,454.43	3/4	2,110.90	3/4	1,767.38	3/4	1,423.85	3/4	1,080.36	3/4	737.29	3/4	393.78	3/4	51.79	3/4		3/4	
11	2,447.27	11	2,103.74	11	1,760.22	11	1,416.69	11	1,073.22	11	730.14	11	386.62	11	45.10	11		11	
1/4	2,440.11	1/4	2,096.59	1/4	1,753.06	1/4	1,409.54	1/4	1,066.07	1/4	722.98	1/4	379.47	1/4	39.73	1/4		1/4	
1/2	2,432.96	1/2	2,089.43	1/2	1,745.90	1/2	1,402.38	1/2	1,058.93	1/2	715.82	1/2	372.31	1/2	34.36	1/2		1/2	
3/4	2,425.80	3/4	2,082.27	3/4	1,738.75	3/4	1,395.22	3/4	1,051.79	3/4	708.67	3/4	365.15	3/4	29.00	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/28/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

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	4,391.56	0	4,222.30	0	4,013.65	0	3,804.50	0	3,594.94	0	3,385.90	0	3,073.05
1/4		1/4		1/4		1/4	4,389.85	1/4	4,217.96	1/4	4,009.31	1/4	3,800.14	1/4	3,590.57	1/4	3,381.56	1/4	3,065.95
1/2		1/2		1/2		1/2	4,388.15	1/2	4,213.61	1/2	4,004.96	1/2	3,795.77	1/2	3,586.20	1/2	3,377.22	1/2	3,058.84
3/4		3/4		3/4		3/4	4,386.44	3/4	4,209.26	3/4	4,000.61	3/4	3,791.41	3/4	3,581.84	3/4	3,372.88	3/4	3,051.73
1		1		1		1	4,204.74	1	4,204.92	1	3,996.27	1	3,787.04	1	3,577.47	1	3,368.54	1	3,044.63
1/4		1/4		1/4		1/4	4,383.03	1/4	4,200.57	1/4	3,991.92	1/4	3,782.67	1/4	3,573.11	1/4	3,364.21	1/4	3,037.51
1/2		1/2		1/2		1/2	4,381.32	1/2	4,196.22	1/2	3,987.57	1/2	3,778.31	1/2	3,568.74	1/2	3,359.88	1/2	3,030.40
3/4		3/4		3/4		3/4	4,379.62	3/4	4,191.88	3/4	3,983.22	3/4	3,773.94	3/4	3,564.37	3/4	3,355.54	3/4	3,023.29
2		2		2		2	4,377.91	2	4,187.53	2	3,978.88	2	3,769.58	2	3,560.01	2	3,351.21	2	3,016.17
1/4		1/4		1/4		1/4	4,375.94	1/4	4,183.18	1/4	3,974.53	1/4	3,765.21	1/4	3,555.64	1/4	3,345.50	1/4	3,009.05
1/2		1/2		1/2		1/2	4,373.97	1/2	4,178.84	1/2	3,970.18	1/2	3,760.84	1/2	3,551.28	1/2	3,339.79	1/2	3,001.93
3/4		3/4		3/4		3/4	4,371.99	3/4	4,174.49	3/4	3,965.84	3/4	3,756.48	3/4	3,546.91	3/4	3,334.08	3/4	2,994.81
3		3		3		3	4,370.02	3	4,170.14	3	3,961.49	3	3,752.11	3	3,542.54	3	3,328.37	3	2,987.68
1/4		1/4		1/4		1/4	4,367.18	1/4	4,165.79	1/4	3,957.14	1/4	3,747.75	1/4	3,538.19	1/4	3,321.28	1/4	2,980.56
1/2		1/2		1/2		1/2	4,364.35	1/2	4,161.45	1/2	3,952.80	1/2	3,743.38	1/2	3,533.83	1/2	3,314.19	1/2	2,973.44
3/4		3/4		3/4		3/4	4,361.51	3/4	4,157.10	3/4	3,948.45	3/4	3,739.01	3/4	3,529.47	3/4	3,307.10	3/4	2,966.32
4		4		4		4	4,358.68	4	4,152.75	4	3,944.10	4	3,734.65	4	3,525.11	4	3,300.01	4	2,959.20
1/4		1/4		1/4		1/4	4,354.84	1/4	4,148.41	1/4	3,939.76	1/4	3,730.28	1/4	3,520.76	1/4	3,292.92	1/4	2,952.07
1/2		1/2		1/2		1/2	4,351.00	1/2	4,144.06	1/2	3,935.41	1/2	3,725.92	1/2	3,516.41	1/2	3,285.83	1/2	2,944.95
3/4		3/4		3/4		3/4	4,347.16	3/4	4,139.71	3/4	3,931.06	3/4	3,721.55	3/4	3,512.06	3/4	3,278.73	3/4	2,937.83
5		5		5		5	4,343.32	5	4,135.37	5	3,926.71	5	3,717.18	5	3,507.71	5	3,271.64	5	2,930.71
1/4		1/4		1/4		1/4	4,339.04	1/4	4,131.02	1/4	3,922.36	1/4	3,712.82	1/4	3,503.36	1/4	3,264.56	1/4	2,923.59
1/2		1/2		1/2		1/2	4,334.76	1/2	4,126.67	1/2	3,918.00	1/2	3,708.45	1/2	3,499.01	1/2	3,257.47	1/2	2,916.48
3/4		3/4		3/4		3/4	4,330.48	3/4	4,122.33	3/4	3,913.65	3/4	3,704.09	3/4	3,494.66	3/4	3,250.38	3/4	2,909.36
6		6		6		6	4,326.21	6	4,117.98	6	3,909.29	6	3,699.72	6	3,490.31	6	3,243.29	6	2,902.24
1/4		1/4		1/4		1/4	4,321.90	1/4	4,113.63	1/4	3,904.92	1/4	3,695.35	1/4	3,485.96	1/4	3,236.20	1/4	2,895.13
1/2		1/2		1/2		1/2	4,317.58	1/2	4,109.28	1/2	3,900.56	1/2	3,690.99	1/2	3,481.61	1/2	3,229.11	1/2	2,888.02
3/4		3/4		3/4		3/4	4,313.27	3/4	4,104.94	3/4	3,896.19	3/4	3,686.62	3/4	3,477.26	3/4	3,222.02	3/4	2,880.91
7		7		7		7	4,308.96	7	4,100.59	7	3,891.82	7	3,682.26	7	3,472.91	7	3,214.93	7	2,873.80
1/4		1/4		1/4		1/4	4,304.65	1/4	4,096.24	1/4	3,887.46	1/4	3,677.89	1/4	3,468.56	1/4	3,207.84	1/4	2,866.69
1/2		1/2		1/2		1/2	4,300.33	1/2	4,091.90	1/2	3,883.09	1/2	3,673.52	1/2	3,464.21	1/2	3,200.75	1/2	2,859.58
3/4		3/4		3/4		3/4	4,296.01	3/4	4,087.55	3/4	3,878.73	3/4	3,669.16	3/4	3,459.86	3/4	3,193.67	3/4	2,852.47
8		8		8		8	4,291.69	8	4,083.20	8	3,874.36	8	3,664.79	8	3,455.51	8	3,186.58	8	2,845.36
1/4		1/4		1/4		1/4	4,287.37	1/4	4,078.86	1/4	3,869.99	1/4	3,660.43	1/4	3,451.16	1/4	3,179.49	1/4	2,838.25
1/2		1/2		1/2		1/2	4,283.05	1/2	4,074.51	1/2	3,865.63	1/2	3,656.06	1/2	3,446.81	1/2	3,172.40	1/2	2,831.14
3/4		3/4		3/4		3/4	4,278.73	3/4	4,070.16	3/4	3,861.26	3/4	3,651.69	3/4	3,442.46	3/4	3,165.31	3/4	2,824.03
9		9		9		9	4,274.41	9	4,065.82	9	3,856.90	9	3,647.33	9	3,438.11	9	3,158.22	9	2,816.92
1/4		1/4		1/4		1/4	4,270.08	1/4	4,061.47	1/4	3,852.53	1/4	3,642.96	1/4	3,433.76	1/4	3,151.13	1/4	2,809.81
1/2		1/2		1/2		1/2	4,265.75	1/2	4,057.12	1/2	3,848.16	1/2	3,638.60	1/2	3,429.41	1/2	3,144.04	1/2	2,802.70
3/4		3/4		3/4		3/4	4,261.41	3/4	4,052.77	3/4	3,843.80	3/4	3,634.23	3/4	3,425.06	3/4	3,136.95	3/4	2,795.59
10		10		10		10	4,257.08	10	4,048.43	10	3,839.43	10	3,629.86	10	3,420.71	10	3,129.87	10	2,788.48
1/4		1/4		1/4		1/4	4,252.73	1/4	4,044.08	1/4	3,835.07	1/4	3,625.50	1/4	3,416.36	1/4	3,122.77	1/4	2,781.37
1/2		1/2		1/2		1/2	4,248.39	1/2	4,039.73	1/2	3,830.70	1/2	3,621.13	1/2	3,412.01	1/2	3,115.67	1/2	2,774.26
3/4		3/4		3/4		3/4	4,244.04	3/4	4,035.39	3/4	3,826.33	3/4	3,616.77	3/4	3,407.66	3/4	3,108.57	3/4	2,767.15
11		11		11	4,395.86	11	4,239.69	11	4,031.04	11	3,821.97	11	3,612.40	11	3,403.30	11	3,101.48	11	2,760.04
1/4		1/4		1/4	4,394.78	1/4	4,235.34	1/4	4,026.69	1/4	3,817.60	1/4	3,608.03	1/4	3,398.95	1/4	3,104.37	1/4	2,752.93
1/2		1/2		1/2	4,393.71	1/2	4,231.00	1/2	4,022.35	1/2	3,813.24	1/2	3,603.67	1/2	3,394.60	1/2	3,087.26	1/2	2,745.82
3/4		3/4		3/4	4,392.63	3/4	4,226.65	3/4	4,018.00	3/4	3,808.87	3/4	3,599.30	3/4	3,390.25	3/4	3,080.16	3/4	2,738.71

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 82'-08" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MPX 423"

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	2,731.60	0	2,390.31	0	2,048.97	0	1,707.64	0	1,366.31	0	1,028.96	0	697.78	0	356.36	0	23.51	0	
1/4	2,724.49	1/4	2,383.20	1/4	2,041.86	1/4	1,700.53	1/4	1,359.20	1/4	1,022.16	1/4	690.67	1/4	349.24	1/4	19.95	1/4	
1/2	2,717.38	1/2	2,376.08	1/2	2,034.75	1/2	1,693.42	1/2	1,352.09	1/2	1,015.36	1/2	683.55	1/2	342.11	1/2	16.39	1/2	
3/4	2,710.27	3/4	2,368.97	3/4	2,027.64	3/4	1,686.31	3/4	1,344.98	3/4	1,008.55	3/4	676.44	3/4	334.99	3/4	12.83	3/4	
1	2,703.16	1	2,361.86	1	2,020.53	1	1,679.20	1	1,337.86	1	1,001.75	1	669.33	1	327.87	1	9.27	1	
1/4	2,696.05	1/4	2,354.75	1/4	2,013.42	1/4	1,672.09	1/4	1,330.75	1/4	994.95	1/4	662.22	1/4	320.74	1/4	7.49	1/4	
1/2	2,688.94	1/2	2,347.64	1/2	2,006.31	1/2	1,664.97	1/2	1,323.64	1/2	988.15	1/2	655.11	1/2	313.62	1/2	5.70	1/2	
3/4	2,681.83	3/4	2,340.53	3/4	1,999.20	3/4	1,657.86	3/4	1,316.53	3/4	981.35	3/4	647.99	3/4	306.49	3/4	3.92	3/4	
2	2,674.72	2	2,333.42	2	1,992.09	2	1,650.75	2	1,309.42	2	974.54	2	640.88	2	299.37	2	2.15	2	
1/4	2,667.61	1/4	2,326.31	1/4	1,984.97	1/4	1,643.64	1/4	1,302.31	1/4	967.74	1/4	633.77	1/4	292.25	1/4		1/4	
1/2	2,660.50	1/2	2,319.20	1/2	1,977.86	1/2	1,636.53	1/2	1,295.20	1/2	960.94	1/2	626.66	1/2	285.12	1/2		1/2	
3/4	2,653.39	3/4	2,312.08	3/4	1,970.75	3/4	1,629.42	3/4	1,288.09	3/4	954.14	3/4	619.54	3/4	278.00	3/4		3/4	
3	2,646.28	3	2,304.97	3	1,963.64	3	1,622.31	3	1,280.98	3	947.34	3	612.43	3	270.87	3		3	
1/4	2,639.17	1/4	2,297.86	1/4	1,956.53	1/4	1,615.20	1/4	1,273.86	1/4	940.53	1/4	605.32	1/4	263.75	1/4		1/4	
1/2	2,632.06	1/2	2,290.75	1/2	1,949.42	1/2	1,608.09	1/2	1,266.75	1/2	933.73	1/2	598.21	1/2	256.63	1/2		1/2	
3/4	2,624.95	3/4	2,283.64	3/4	1,942.31	3/4	1,600.97	3/4	1,259.64	3/4	926.93	3/4	591.09	3/4	249.50	3/4		3/4	
4	2,617.84	4	2,276.53	4	1,935.20	4	1,593.86	4	1,252.53	4	920.13	4	583.98	4	242.38	4		4	
1/4	2,610.73	1/4	2,269.42	1/4	1,928.09	1/4	1,586.75	1/4	1,245.42	1/4	913.33	1/4	576.87	1/4	235.25	1/4		1/4	
1/2	2,603.62	1/2	2,262.31	1/2	1,920.97	1/2	1,579.64	1/2	1,238.31	1/2	906.53	1/2	569.76	1/2	228.13	1/2		1/2	
3/4	2,596.51	3/4	2,255.20	3/4	1,913.86	3/4	1,572.53	3/4	1,231.20	3/4	899.72	3/4	562.64	3/4	221.01	3/4		3/4	
5	2,589.40	5	2,248.08	5	1,906.75	5	1,565.42	5	1,224.09	5	892.92	5	555.53	5	213.88	5		5	
1/4	2,582.29	1/4	2,240.97	1/4	1,899.64	1/4	1,558.31	1/4	1,216.98	1/4	886.12	1/4	548.42	1/4	206.76	1/4		1/4	
1/2	2,575.18	1/2	2,233.86	1/2	1,892.53	1/2	1,551.20	1/2	1,209.86	1/2	879.32	1/2	541.31	1/2	199.63	1/2		1/2	
3/4	2,568.07	3/4	2,226.75	3/4	1,885.42	3/4	1,544.09	3/4	1,202.75	3/4	872.52	3/4	534.19	3/4	192.51	3/4		3/4	
6	2,560.96	6	2,219.64	6	1,878.31	6	1,536.97	6	1,195.64	6	865.72	6	527.08	6	185.39	6		6	
1/4	2,553.85	1/4	2,212.53	1/4	1,871.20	1/4	1,529.86	1/4	1,188.53	1/4	858.91	1/4	519.97	1/4	178.26	1/4		1/4	
1/2	2,546.73	1/2	2,205.42	1/2	1,864.09	1/2	1,522.75	1/2	1,181.42	1/2	852.11	1/2	512.86	1/2	171.14	1/2		1/2	
3/4	2,539.62	3/4	2,198.31	3/4	1,856.97	3/4	1,515.64	3/4	1,174.31	3/4	845.30	3/4	505.74	3/4	164.01	3/4		3/4	
7	2,532.51	7	2,191.20	7	1,849.86	7	1,508.53	7	1,167.20	7	838.49	7	498.63	7	156.89	7		7	
1/4	2,525.40	1/4	2,184.08	1/4	1,842.75	1/4	1,501.42	1/4	1,160.09	1/4	831.65	1/4	491.52	1/4	149.77	1/4		1/4	
1/2	2,518.29	1/2	2,176.97	1/2	1,835.64	1/2	1,494.31	1/2	1,152.98	1/2	824.80	1/2	484.41	1/2	142.64	1/2		1/2	
3/4	2,511.18	3/4	2,169.86	3/4	1,828.53	3/4	1,487.20	3/4	1,145.86	3/4	817.96	3/4	477.30	3/4	135.52	3/4		3/4	
8	2,504.07	8	2,162.75	8	1,821.42	8	1,480.09	8	1,138.75	8	811.11	8	470.18	8	128.40	8		8	
1/4	2,496.97	1/4	2,155.64	1/4	1,814.31	1/4	1,472.97	1/4	1,131.76	1/4	804.12	1/4	463.07	1/4	121.28	1/4		1/4	
1/2	2,489.86	1/2	2,148.53	1/2	1,807.20	1/2	1,465.86	1/2	1,124.76	1/2	797.12	1/2	455.96	1/2	114.16	1/2		1/2	
3/4	2,482.75	3/4	2,141.42	3/4	1,800.09	3/4	1,458.75	3/4	1,117.77	3/4	790.12	3/4	448.85	3/4	107.04	3/4		3/4	
9	2,475.64	9	2,134.31	9	1,792.97	9	1,451.64	9	1,110.77	9	783.13	9	441.73	9	99.92	9		9	
1/4	2,468.53	1/4	2,127.20	1/4	1,785.86	1/4	1,444.53	1/4	1,103.93	1/4	776.02	1/4	434.62	1/4	92.82	1/4		1/4	
1/2	2,461.42	1/2	2,120.09	1/2	1,778.75	1/2	1,437.42	1/2	1,097.08	1/2	768.90	1/2	427.51	1/2	85.72	1/2		1/2	
3/4	2,454.31	3/4	2,112.97	3/4	1,771.64	3/4	1,430.31	3/4	1,090.24	3/4	761.79	3/4	420.40	3/4	78.62	3/4		3/4	
10	2,447.20	10	2,105.86	10	1,764.53	10	1,423.20	10	1,083.39	10	754.68	10	413.28	10	71.52	10		10	
1/4	2,440.08	1/4	2,098.75	1/4	1,757.42	1/4	1,416.09	1/4	1,076.59	1/4	747.57	1/4	406.17	1/4	64.86	1/4		1/4	
1/2	2,432.97	1/2	2,091.64	1/2	1,750.31	1/2	1,408.98	1/2	1,069.78	1/2	740.45	1/2	399.06	1/2	58.20	1/2		1/2	
3/4	2,425.86	3/4	2,084.53	3/4	1,743.20	3/4	1,401.86	3/4	1,062.97	3/4	733.34	3/4	391.95	3/4	51.54	3/4		3/4	
11	2,418.75	11	2,077.42	11	1,736.09	11	1,394.75	11	1,056.17	11	726.23	11	384.83	11	44.88	11		11	
1/4	2,411.64	1/4	2,070.31	1/4	1,728.97	1/4	1,387.64	1/4	1,049.37	1/4	719.12	1/4	377.72	1/4	39.54	1/4		1/4	
1/2	2,404.53	1/2	2,063.20	1/2	1,721.86	1/2	1,380.53	1/2	1,042.56	1/2	712.00	1/2	370.60	1/2	34.20	1/2		1/2	
3/4	2,397.42	3/4	2,056.09	3/4	1,714.75	3/4	1,373.42	3/4	1,035.76	3/4	704.89	3/4	363.48	3/4	28.86	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/28/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

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	4,416.22	0	4,246.60	0	4,037.51	0	3,827.93	0	3,617.92	0	3,407.91	0	3,094.59
1/4		1/4		1/4		1/4	4,414.51	1/4	4,242.25	1/4	4,033.15	1/4	3,823.55	1/4	3,613.54	1/4	3,403.55	1/4	3,087.48
1/2		1/2		1/2		1/2	4,412.80	1/2	4,237.89	1/2	4,028.80	1/2	3,819.17	1/2	3,609.17	1/2	3,399.19	1/2	3,080.36
3/4		3/4		3/4		3/4	4,411.09	3/4	4,233.54	3/4	4,024.44	3/4	3,814.80	3/4	3,604.79	3/4	3,394.83	3/4	3,073.24
1		1		1		1	4,409.38	1	4,229.18	1	4,020.09	1	3,810.42	1	3,600.41	1	3,390.48	1	3,066.13
1/4		1/4		1/4		1/4	4,407.67	1/4	4,224.82	1/4	4,015.73	1/4	3,806.05	1/4	3,596.04	1/4	3,386.14	1/4	3,059.01
1/2		1/2		1/2		1/2	4,405.97	1/2	4,220.47	1/2	4,011.37	1/2	3,801.67	1/2	3,591.66	1/2	3,381.80	1/2	3,051.90
3/4		3/4		3/4		3/4	4,404.26	3/4	4,216.11	3/4	4,007.02	3/4	3,797.30	3/4	3,587.29	3/4	3,377.46	3/4	3,044.78
2		2		2		2	4,402.55	2	4,211.75	2	4,002.66	2	3,792.92	2	3,582.91	2	3,373.12	2	3,037.67
1/4		1/4		1/4		1/4	4,400.57	1/4	4,207.40	1/4	3,998.31	1/4	3,788.55	1/4	3,578.54	1/4	3,367.40	1/4	3,030.55
1/2		1/2		1/2		1/2	4,398.59	1/2	4,203.04	1/2	3,993.95	1/2	3,784.17	1/2	3,574.16	1/2	3,363.68	1/2	3,023.43
3/4		3/4		3/4		3/4	4,396.61	3/4	4,198.69	3/4	3,989.59	3/4	3,779.80	3/4	3,569.79	3/4	3,359.96	3/4	3,016.32
3		3		3		3	4,394.63	3	4,194.33	3	3,985.24	3	3,775.42	3	3,565.41	3	3,355.24	3	3,009.20
1/4		1/4		1/4		1/4	4,391.79	1/4	4,189.97	1/4	3,980.88	1/4	3,771.05	1/4	3,561.04	1/4	3,343.14	1/4	3,002.09
1/2		1/2		1/2		1/2	4,388.95	1/2	4,185.62	1/2	3,976.53	1/2	3,766.67	1/2	3,556.66	1/2	3,336.04	1/2	2,994.97
3/4		3/4		3/4		3/4	4,386.11	3/4	4,181.26	3/4	3,972.17	3/4	3,762.30	3/4	3,552.29	3/4	3,328.95	3/4	2,987.86
4		4		4		4	4,383.26	4	4,176.91	4	3,967.81	4	3,757.92	4	3,547.91	4	3,321.85	4	2,980.74
1/4		1/4		1/4		1/4	4,379.41	1/4	4,172.55	1/4	3,963.46	1/4	3,753.55	1/4	3,543.54	1/4	3,314.75	1/4	2,973.62
1/2		1/2		1/2		1/2	4,375.57	1/2	4,168.19	1/2	3,959.10	1/2	3,749.17	1/2	3,539.16	1/2	3,307.65	1/2	2,966.51
3/4		3/4		3/4		3/4	4,371.72	3/4	4,163.84	3/4	3,954.74	3/4	3,744.80	3/4	3,534.79	3/4	3,300.55	3/4	2,959.39
5		5		5		5	4,367.87	5	4,159.48	5	3,950.39	5	3,740.42	5	3,530.41	5	3,293.45	5	2,952.28
1/4		1/4		1/4		1/4	4,363.58	1/4	4,155.13	1/4	3,946.02	1/4	3,736.05	1/4	3,526.04	1/4	3,286.36	1/4	2,945.16
1/2		1/2		1/2		1/2	4,359.30	1/2	4,150.77	1/2	3,941.66	1/2	3,731.67	1/2	3,521.66	1/2	3,279.26	1/2	2,938.05
3/4		3/4		3/4		3/4	4,355.01	3/4	4,146.41	3/4	3,937.29	3/4	3,727.30	3/4	3,517.29	3/4	3,272.16	3/4	2,930.93
6		6		6		6	4,350.72	6	4,142.06	6	3,932.93	6	3,722.92	6	3,512.91	6	3,265.06	6	2,923.81
1/4		1/4		1/4		1/4	4,346.40	1/4	4,137.70	1/4	3,928.55	1/4	3,718.55	1/4	3,508.54	1/4	3,257.96	1/4	2,916.70
1/2		1/2		1/2		1/2	4,342.08	1/2	4,133.35	1/2	3,924.18	1/2	3,714.17	1/2	3,504.16	1/2	3,250.86	1/2	2,909.58
3/4		3/4		3/4		3/4	4,337.76	3/4	4,128.99	3/4	3,919.80	3/4	3,709.79	3/4	3,499.79	3/4	3,243.77	3/4	2,902.47
7		7		7		7	4,333.44	7	4,124.63	7	3,915.43	7	3,705.42	7	3,495.41	7	3,236.67	7	2,895.35
1/4		1/4		1/4		1/4	4,329.12	1/4	4,120.28	1/4	3,911.05	1/4	3,701.04	1/4	3,491.03	1/4	3,229.57	1/4	2,888.24
1/2		1/2		1/2		1/2	4,324.79	1/2	4,115.92	1/2	3,906.68	1/2	3,696.67	1/2	3,486.66	1/2	3,222.47	1/2	2,881.12
3/4		3/4		3/4		3/4	4,320.46	3/4	4,111.56	3/4	3,902.30	3/4	3,692.29	3/4	3,482.28	3/4	3,215.37	3/4	2,874.00
8		8		8		8	4,316.14	8	4,107.21	8	3,897.93	8	3,687.92	8	3,477.91	8	3,208.27	8	2,866.89
1/4		1/4		1/4		1/4	4,311.81	1/4	4,102.85	1/4	3,893.55	1/4	3,683.54	1/4	3,473.53	1/4	3,201.18	1/4	2,859.77
1/2		1/2		1/2		1/2	4,307.48	1/2	4,098.50	1/2	3,889.18	1/2	3,679.17	1/2	3,469.16	1/2	3,194.08	1/2	2,852.66
3/4		3/4		3/4		3/4	4,303.15	3/4	4,094.14	3/4	3,884.80	3/4	3,674.79	3/4	3,464.78	3/4	3,186.98	3/4	2,845.54
9		9		9		9	4,298.82	9	4,089.78	9	3,880.43	9	3,670.42	9	3,460.41	9	3,179.88	9	2,838.43
1/4		1/4		1/4		1/4	4,294.48	1/4	4,085.43	1/4	3,876.05	1/4	3,666.04	1/4	3,456.03	1/4	3,172.78	1/4	2,831.31
1/2		1/2		1/2		1/2	4,290.14	1/2	4,081.07	1/2	3,871.68	1/2	3,661.67	1/2	3,451.66	1/2	3,165.68	1/2	2,824.20
3/4		3/4		3/4		3/4	4,285.79	3/4	4,076.72	3/4	3,867.30	3/4	3,657.29	3/4	3,447.28	3/4	3,158.58	3/4	2,817.08
10		10		10		10	4,281.45	10	4,072.36	10	3,862.93	10	3,652.92	10	3,442.91	10	3,151.49	10	2,809.96
1/4		1/4		1/4		1/4	4,277.10	1/4	4,068.00	1/4	3,858.55	1/4	3,648.54	1/4	3,438.53	1/4	3,144.38	1/4	2,802.85
1/2		1/2		1/2		1/2	4,272.74	1/2	4,063.65	1/2	3,854.18	1/2	3,644.17	1/2	3,434.16	1/2	3,137.27	1/2	2,795.73
3/4		3/4		3/4		3/4	4,268.38	3/4	4,059.29	3/4	3,849.80	3/4	3,639.79	3/4	3,429.78	3/4	3,130.16	3/4	2,788.62
11		11		11	4,420.53	11	4,264.03	11	4,054.94	11	3,845.43	11	3,635.42	11	3,425.41	11	3,123.05	11	2,781.50
1/4		1/4		1/4	4,419.45	1/4	4,259.67	1/4	4,050.58	1/4	3,841.05	1/4	3,631.04	1/4	3,421.03	1/4	3,115.94	1/4	2,774.39
1/2		1/2		1/2	4,418.38	1/2	4,255.32	1/2	4,046.22	1/2	3,836.68	1/2	3,626.67	1/2	3,416.66	1/2	3,108.82	1/2	2,767.27
3/4		3/4		3/4	4,417.30	3/4	4,250.96	3/4	4,041.87	3/4	3,832.30	3/4	3,622.29	3/4	3,412.28	3/4	3,101.71	3/4	2,760.15

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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 Pearland, Texas 77588
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BARGE "MPX 423"

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	2,753.04	0	2,410.93	0	2,068.49	0	1,726.06	0	1,383.63	0	1,041.31	0	699.28	0	356.85	0	23.55	0	
1/4	2,745.92	1/4	2,403.79	1/4	2,061.36	1/4	1,718.93	1/4	1,376.50	1/4	1,034.19	1/4	692.14	1/4	349.72	1/4	19.98	1/4	
1/2	2,738.81	1/2	2,396.66	1/2	2,054.23	1/2	1,711.79	1/2	1,369.36	1/2	1,027.07	1/2	685.01	1/2	342.59	1/2	16.41	1/2	
3/4	2,731.69	3/4	2,389.52	3/4	2,047.09	3/4	1,704.66	3/4	1,362.23	3/4	1,019.95	3/4	677.87	3/4	335.45	3/4	12.85	3/4	
1	2,724.58	1	2,382.39	1	2,039.96	1	1,697.53	1	1,355.09	1	1,012.83	1	670.74	1	328.32	1	9.28	1	
1/4	2,717.46	1/4	2,375.26	1/4	2,032.82	1/4	1,690.39	1/4	1,347.96	1/4	1,005.71	1/4	663.61	1/4	321.18	1/4	7.50	1/4	
1/2	2,710.34	1/2	2,368.12	1/2	2,025.69	1/2	1,683.26	1/2	1,340.83	1/2	998.59	1/2	656.47	1/2	314.05	1/2	5.71	1/2	
3/4	2,703.23	3/4	2,360.99	3/4	2,018.56	3/4	1,676.12	3/4	1,333.69	3/4	991.47	3/4	649.34	3/4	306.92	3/4	3.93	3/4	
2	2,696.11	2	2,353.85	2	2,011.42	2	1,668.99	2	1,326.56	2	984.35	2	642.20	2	299.78	2	2.15	2	
1/4	2,689.00	1/4	2,346.72	1/4	2,004.29	1/4	1,661.86	1/4	1,319.42	1/4	977.23	1/4	635.07	1/4	292.65	1/4		1/4	
1/2	2,681.88	1/2	2,339.59	1/2	1,997.15	1/2	1,654.72	1/2	1,312.29	1/2	970.11	1/2	627.94	1/2	285.51	1/2		1/2	
3/4	2,674.77	3/4	2,332.45	3/4	1,990.02	3/4	1,647.59	3/4	1,305.16	3/4	962.99	3/4	620.80	3/4	278.38	3/4		3/4	
3	2,667.65	3	2,325.32	3	1,982.89	3	1,640.45	3	1,298.02	3	955.87	3	613.67	3	271.25	3		3	
1/4	2,660.53	1/4	2,318.18	1/4	1,975.75	1/4	1,633.32	1/4	1,290.89	1/4	948.75	1/4	606.54	1/4	264.11	1/4		1/4	
1/2	2,653.42	1/2	2,311.05	1/2	1,968.62	1/2	1,626.19	1/2	1,283.75	1/2	941.63	1/2	599.40	1/2	256.98	1/2		1/2	
3/4	2,646.30	3/4	2,303.92	3/4	1,961.48	3/4	1,619.05	3/4	1,276.62	3/4	934.51	3/4	592.27	3/4	249.85	3/4		3/4	
4	2,639.19	4	2,296.78	4	1,954.35	4	1,611.92	4	1,269.49	4	927.39	4	585.13	4	242.71	4		4	
1/4	2,632.06	1/4	2,289.65	1/4	1,947.22	1/4	1,604.78	1/4	1,262.35	1/4	920.27	1/4	578.00	1/4	235.58	1/4		1/4	
1/2	2,624.94	1/2	2,282.51	1/2	1,940.08	1/2	1,597.65	1/2	1,255.22	1/2	913.15	1/2	570.87	1/2	228.44	1/2		1/2	
3/4	2,617.81	3/4	2,275.38	3/4	1,932.95	3/4	1,590.52	3/4	1,248.08	3/4	906.03	3/4	563.73	3/4	221.31	3/4		3/4	
5	2,610.69	5	2,268.25	5	1,925.81	5	1,583.38	5	1,240.95	5	898.91	5	556.60	5	214.18	5		5	
1/4	2,603.55	1/4	2,261.11	1/4	1,918.68	1/4	1,576.25	1/4	1,233.82	1/4	891.79	1/4	549.47	1/4	207.04	1/4		1/4	
1/2	2,596.42	1/2	2,253.98	1/2	1,911.55	1/2	1,569.11	1/2	1,226.68	1/2	884.67	1/2	542.33	1/2	199.91	1/2		1/2	
3/4	2,589.28	3/4	2,246.84	3/4	1,904.41	3/4	1,561.98	3/4	1,219.55	3/4	877.55	3/4	535.20	3/4	192.78	3/4		3/4	
6	2,582.15	6	2,239.71	6	1,897.28	6	1,554.85	6	1,212.41	6	870.43	6	528.06	6	185.64	6		6	
1/4	2,575.01	1/4	2,232.58	1/4	1,890.14	1/4	1,547.71	1/4	1,205.28	1/4	863.31	1/4	520.93	1/4	178.51	1/4		1/4	
1/2	2,567.88	1/2	2,225.44	1/2	1,883.01	1/2	1,540.58	1/2	1,198.15	1/2	856.18	1/2	513.80	1/2	171.37	1/2		1/2	
3/4	2,560.74	3/4	2,218.31	3/4	1,875.88	3/4	1,533.44	3/4	1,191.01	3/4	849.06	3/4	506.66	3/4	164.24	3/4		3/4	
7	2,553.61	7	2,211.17	7	1,868.74	7	1,526.31	7	1,183.88	7	841.93	7	499.53	7	157.11	7		7	
1/4	2,546.47	1/4	2,204.04	1/4	1,861.61	1/4	1,519.18	1/4	1,176.74	1/4	834.81	1/4	492.40	1/4	149.97	1/4		1/4	
1/2	2,539.34	1/2	2,196.91	1/2	1,854.47	1/2	1,512.04	1/2	1,169.61	1/2	827.68	1/2	485.26	1/2	142.84	1/2		1/2	
3/4	2,532.20	3/4	2,189.77	3/4	1,847.34	3/4	1,504.91	3/4	1,162.48	3/4	820.55	3/4	478.13	3/4	135.71	3/4		3/4	
8	2,525.07	8	2,182.64	8	1,840.21	8	1,497.77	8	1,155.34	8	813.42	8	470.99	8	128.57	8		8	
1/4	2,517.93	1/4	2,175.50	1/4	1,833.07	1/4	1,490.64	1/4	1,148.21	1/4	806.28	1/4	463.86	1/4	121.45	1/4		1/4	
1/2	2,510.80	1/2	2,168.37	1/2	1,825.94	1/2	1,483.51	1/2	1,141.07	1/2	799.15	1/2	456.73	1/2	114.32	1/2		1/2	
3/4	2,503.67	3/4	2,161.24	3/4	1,818.80	3/4	1,476.37	3/4	1,133.94	3/4	792.01	3/4	449.59	3/4	107.19	3/4		3/4	
9	2,496.53	9	2,154.10	9	1,811.67	9	1,469.24	9	1,126.81	9	784.88	9	442.46	9	100.06	9		9	
1/4	2,489.40	1/4	2,146.97	1/4	1,804.54	1/4	1,462.10	1/4	1,119.68	1/4	777.75	1/4	435.32	1/4	92.95	1/4		1/4	
1/2	2,482.27	1/2	2,139.83	1/2	1,797.40	1/2	1,454.97	1/2	1,112.54	1/2	770.61	1/2	428.19	1/2	85.84	1/2		1/2	
3/4	2,475.13	3/4	2,132.70	3/4	1,790.27	3/4	1,447.84	3/4	1,105.41	3/4	763.48	3/4	421.06	3/4	78.73	3/4		3/4	
10	2,468.00	10	2,125.57	10	1,783.13	10	1,440.70	10	1,098.28	10	756.35	10	413.92	10	71.62	10		10	
1/4	2,460.86	1/4	2,118.43	1/4	1,776.00	1/4	1,433.57	1/4	1,091.16	1/4	749.21	1/4	406.79	1/4	64.95	1/4		1/4	
1/2	2,453.73	1/2	2,111.30	1/2	1,768.87	1/2	1,426.43	1/2	1,084.03	1/2	742.08	1/2	399.66	1/2	58.28	1/2		1/2	
3/4	2,446.60	3/4	2,104.16	3/4	1,761.73	3/4	1,419.30	3/4	1,076.91	3/4	734.94	3/4	392.52	3/4	51.61	3/4		3/4	
11	2,439.46	11	2,097.03	11	1,754.60	11	1,412.17	11	1,069.79	11	727.81	11	385.39	11	44.94	11		11	
1/4	2,432.33	1/4	2,089.90	1/4	1,747.46	1/4	1,405.03	1/4	1,062.67	1/4	720.68	1/4	378.25	1/4	39.60	1/4		1/4	
1/2	2,425.19	1/2	2,082.76	1/2	1,740.33	1/2	1,397.90	1/2	1,055.55	1/2	713.54	1/2	371.12	1/2	34.25	1/2		1/2	
3/4	2,418.06	3/4	2,075.63	3/4	1,733.20	3/4	1,390.76	3/4	1,048.43	3/4	706.41	3/4	363.99	3/4	28.90	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/28/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

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	- 08-0/8	08-0/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 08-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-03 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

July 28, 2021

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

<http://www.pmacorp.net>



BARGE "MPX 423"

1 PORT INNAGE 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	2.15	0	251.73	0	582.07	0	923.11	0	1,264.41	0	1,606.89	0	1,949.38	0	2,291.86	0	2,634.34	0	2,976.80
1/4	3.93	1/4	258.20	1/4	589.21	1/4	930.19	1/4	1,271.54	1/4	1,614.03	1/4	1,956.51	1/4	2,299.00	1/4	2,641.47	1/4	2,983.93
1/2	5.72	1/2	264.66	1/2	596.34	1/2	937.26	1/2	1,278.68	1/2	1,621.16	1/2	1,963.65	1/2	2,306.13	1/2	2,648.60	1/2	2,991.06
3/4	7.50	3/4	271.13	3/4	603.48	3/4	944.34	3/4	1,285.81	3/4	1,628.30	3/4	1,970.78	3/4	2,313.27	3/4	2,655.74	3/4	2,998.20
1	9.28	1	277.60	1	610.61	1	951.41	1	1,292.95	1	1,635.43	1	1,977.92	1	2,320.40	1	2,662.87	1	3,005.33
1/4	12.08	1/4	284.15	1/4	617.75	1/4	958.49	1/4	1,300.08	1/4	1,642.57	1/4	1,985.05	1/4	2,327.54	1/4	2,670.01	1/4	3,012.46
1/2	14.88	1/2	290.70	1/2	624.88	1/2	965.56	1/2	1,307.22	1/2	1,649.70	1/2	1,992.19	1/2	2,334.67	1/2	2,677.14	1/2	3,019.60
3/4	17.67	3/4	297.25	3/4	632.02	3/4	972.64	3/4	1,314.35	3/4	1,656.84	3/4	1,999.32	3/4	2,341.81	3/4	2,684.28	3/4	3,026.73
2	20.47	2	303.81	2	639.15	2	979.71	2	1,321.49	2	1,663.97	2	2,006.46	2	2,348.94	2	2,691.41	2	3,033.86
1/4	24.32	1/4	310.44	1/4	646.29	1/4	986.79	1/4	1,328.62	1/4	1,671.11	1/4	2,013.59	1/4	2,356.08	1/4	2,698.55	1/4	3,041.00
1/2	28.17	1/2	317.07	1/2	653.42	1/2	993.86	1/2	1,335.76	1/2	1,678.24	1/2	2,020.73	1/2	2,363.21	1/2	2,705.68	1/2	3,048.13
3/4	32.02	3/4	323.71	3/4	660.56	3/4	1,000.94	3/4	1,342.89	3/4	1,685.38	3/4	2,027.86	3/4	2,370.35	3/4	2,712.82	3/4	3,055.26
3	35.87	3	330.34	3	667.69	3	1,008.01	3	1,350.03	3	1,692.51	3	2,035.00	3	2,377.48	3	2,719.95	3	3,062.39
1/4	41.12	1/4	337.06	1/4	674.83	1/4	1,015.09	1/4	1,357.16	1/4	1,699.65	1/4	2,042.13	1/4	2,384.62	1/4	2,727.09	1/4	3,069.53
1/2	46.37	1/2	343.78	1/2	681.96	1/2	1,022.17	1/2	1,364.30	1/2	1,706.78	1/2	2,049.27	1/2	2,391.75	1/2	2,734.22	1/2	3,076.66
3/4	51.63	3/4	350.50	3/4	689.10	3/4	1,029.25	3/4	1,371.43	3/4	1,713.92	3/4	2,056.40	3/4	2,398.89	3/4	2,741.35	3/4	3,083.79
4	56.88	4	357.22	4	696.23	4	1,036.33	4	1,378.57	4	1,721.05	4	2,063.54	4	2,406.02	4	2,748.49	4	3,090.92
1/4	62.66	1/4	364.02	1/4	703.37	1/4	1,043.42	1/4	1,385.70	1/4	1,728.19	1/4	2,070.67	1/4	2,413.16	1/4	2,755.62	1/4	3,098.06
1/2	68.43	1/2	370.82	1/2	710.50	1/2	1,050.51	1/2	1,392.84	1/2	1,735.32	1/2	2,077.81	1/2	2,420.29	1/2	2,762.76	1/2	3,105.19
3/4	74.21	3/4	377.62	3/4	717.64	3/4	1,057.60	3/4	1,399.97	3/4	1,742.46	3/4	2,084.94	3/4	2,427.43	3/4	2,769.89	3/4	3,112.32
5	79.99	5	384.42	5	724.77	5	1,064.69	5	1,407.11	5	1,749.59	5	2,092.08	5	2,434.56	5	2,777.03	5	3,119.45
1/4	85.87	1/4	391.31	1/4	731.89	1/4	1,071.81	1/4	1,414.24	1/4	1,756.73	1/4	2,099.21	1/4	2,441.70	1/4	2,784.16	1/4	3,126.59
1/2	91.75	1/2	398.19	1/2	739.01	1/2	1,078.93	1/2	1,421.38	1/2	1,763.86	1/2	2,106.35	1/2	2,448.83	1/2	2,791.30	1/2	3,133.72
3/4	97.63	3/4	405.08	3/4	746.12	3/4	1,086.05	3/4	1,428.52	3/4	1,771.00	3/4	2,113.48	3/4	2,455.97	3/4	2,798.43	3/4	3,140.85
6	103.50	6	411.96	6	753.24	6	1,093.17	6	1,435.65	6	1,778.14	6	2,120.62	6	2,463.10	6	2,805.57	6	3,147.99
1/4	109.47	1/4	418.93	1/4	760.33	1/4	1,100.30	1/4	1,442.79	1/4	1,785.27	1/4	2,127.75	1/4	2,470.24	1/4	2,812.70	1/4	3,155.12
1/2	115.44	1/2	425.89	1/2	767.42	1/2	1,107.44	1/2	1,449.92	1/2	1,792.41	1/2	2,134.89	1/2	2,477.37	1/2	2,819.83	1/2	3,162.25
3/4	121.40	3/4	432.86	3/4	774.52	3/4	1,114.57	3/4	1,457.06	3/4	1,799.54	3/4	2,142.03	3/4	2,484.51	3/4	2,826.97	3/4	3,169.38
7	127.37	7	439.82	7	781.61	7	1,121.71	7	1,464.19	7	1,806.68	7	2,149.16	7	2,491.64	7	2,834.10	7	3,176.52
1/4	133.42	1/4	446.87	1/4	788.69	1/4	1,128.84	1/4	1,471.33	1/4	1,813.81	1/4	2,156.30	1/4	2,498.78	1/4	2,841.24	1/4	3,183.65
1/2	139.47	1/2	453.92	1/2	795.76	1/2	1,135.98	1/2	1,478.46	1/2	1,820.95	1/2	2,163.43	1/2	2,505.92	1/2	2,848.37	1/2	3,190.78
3/4	145.53	3/4	460.96	3/4	802.84	3/4	1,143.11	3/4	1,485.60	3/4	1,828.08	3/4	2,170.57	3/4	2,513.05	3/4	2,855.51	3/4	3,197.91
8	151.58	8	468.01	8	809.92	8	1,150.25	8	1,492.73	8	1,835.22	8	2,177.70	8	2,520.19	8	2,862.64	8	3,205.05
1/4	157.71	1/4	475.12	1/4	817.00	1/4	1,157.38	1/4	1,499.87	1/4	1,842.35	1/4	2,184.84	1/4	2,527.32	1/4	2,869.78	1/4	3,212.18
1/2	163.85	1/2	482.23	1/2	824.07	1/2	1,164.52	1/2	1,507.00	1/2	1,849.49	1/2	2,191.97	1/2	2,534.46	1/2	2,876.91	1/2	3,219.31
3/4	169.98	3/4	489.34	3/4	831.14	3/4	1,171.65	3/4	1,514.14	3/4	1,856.62	3/4	2,199.11	3/4	2,541.59	3/4	2,884.05	3/4	3,226.45
9	176.11	9	496.45	9	838.22	9	1,178.79	9	1,521.27	9	1,863.76	9	2,206.24	9	2,548.73	9	2,891.18	9	3,233.58
1/4	182.33	1/4	503.59	1/4	845.29	1/4	1,185.92	1/4	1,528.41	1/4	1,870.89	1/4	2,213.38	1/4	2,555.86	1/4	2,898.32	1/4	3,240.71
1/2	188.55	1/2	510.72	1/2	852.37	1/2	1,193.06	1/2	1,535.54	1/2	1,878.03	1/2	2,220.51	1/2	2,563.00	1/2	2,905.45	1/2	3,247.84
3/4	194.77	3/4	517.86	3/4	859.44	3/4	1,200.19	3/4	1,542.68	3/4	1,885.16	3/4	2,227.65	3/4	2,570.13	3/4	2,912.58	3/4	3,254.98
10	200.99	10	524.99	10	866.52	10	1,207.33	10	1,549.81	10	1,892.30	10	2,234.78	10	2,577.27	10	2,919.72	10	3,262.11
1/4	207.29	1/4	532.13	1/4	873.59	1/4	1,214.46	1/4	1,556.95	1/4	1,899.43	1/4	2,241.92	1/4	2,584.40	1/4	2,926.85	1/4	3,269.24
1/2	213.59	1/2	539.26	1/2	880.67	1/2	1,221.60	1/2	1,564.08	1/2	1,906.57	1/2	2,249.05	1/2	2,591.54	1/2	2,933.99	1/2	3,276.37
3/4	219.89	3/4	546.40	3/4	887.74	3/4	1,228.73	3/4	1,571.22	3/4	1,913.70	3/4	2,256.19	3/4	2,598.67	3/4	2,941.12	3/4	3,283.51
11	226.19	11	553.53	11	894.82	11	1,235.87	11	1,578.35	11	1,920.84	11	2,263.32	11	2,605.81	11	2,948.26	11	3,290.64
1/4	232.57	1/4	560.67	1/4	901.89	1/4	1,243.00	1/4	1,585.49	1/4	1,927.97	1/4	2,270.46	1/4	2,612.94	1/4	2,955.39	1/4	3,297.77
1/2	238.96	1/2	567.80	1/2	908.96	1/2	1,250.14	1/2	1,592.62	1/2	1,935.11	1/2	2,277.59	1/2	2,620.07	1/2	2,962.53	1/2	3,304.91
3/4	245.34	3/4	574.94	3/4	916.04	3/4	1,257.27	3/4	1,599.76	3/4	1,942.24	3/4	2,284.73	3/4	2,627.20	3/4	2,969.66	3/4	3,312.04

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "MPX 423"

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	3,319.17	0	3,661.55	0	4,004.01	0	4,346.01	0	4,686.91	0	5,007.70	0		0		0		0	
1/4	3,326.30	1/4	3,668.68	1/4	4,011.15	1/4	4,353.11	1/4	4,694.01	1/4	5,010.89	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,333.44	1/2	3,675.82	1/2	4,018.28	1/2	4,360.22	1/2	4,701.11	1/2	5,014.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,340.57	3/4	3,682.95	3/4	4,025.42	3/4	4,367.32	3/4	4,708.21	3/4	5,017.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,347.70	1	3,690.08	1	4,032.55	1	4,374.42	1	4,715.32	1	5,020.46	1	1	1	1	1	1	1	1
1/4	3,354.83	1/4	3,697.22	1/4	4,039.68	1/4	4,381.52	1/4	4,722.42	1/4	5,022.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,361.97	1/2	3,704.35	1/2	4,046.82	1/2	4,388.62	1/2	4,729.52	1/2	5,024.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,369.10	3/4	3,711.49	3/4	4,053.95	3/4	4,395.73	3/4	4,736.62	3/4	5,026.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,376.23	2	3,718.62	2	4,061.09	2	4,402.83	2	4,743.72	2	5,028.48	2	2	2	2	2	2	2	2
1/4	3,383.36	1/4	3,725.76	1/4	4,068.22	1/4	4,409.93	1/4	4,750.83	1/4	5,029.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,390.50	1/2	3,732.89	1/2	4,075.36	1/2	4,417.03	1/2	4,757.93	1/2	5,030.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,397.63	3/4	3,740.03	3/4	4,082.49	3/4	4,424.13	3/4	4,765.03	3/4	5,031.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,404.76	3	3,747.16	3	4,089.63	3	4,431.24	3	4,772.13	3	5,032.19	3	3	3	3	3	3	3	3
1/4	3,411.90	1/4	3,754.30	1/4	4,096.76	1/4	4,438.34	1/4	4,779.23	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,419.03	1/2	3,761.43	1/2	4,103.90	1/2	4,445.44	1/2	4,786.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,426.16	3/4	3,768.57	3/4	4,111.03	3/4	4,452.54	3/4	4,793.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,433.29	4	3,775.70	4	4,118.17	4	4,459.64	4	4,800.54	4	4	4	4	4	4	4	4	4	4
1/4	3,440.43	1/4	3,782.84	1/4	4,125.30	1/4	4,466.75	1/4	4,807.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,447.56	1/2	3,789.97	1/2	4,132.44	1/2	4,473.85	1/2	4,814.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,454.69	3/4	3,797.11	3/4	4,139.57	3/4	4,480.95	3/4	4,821.78	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,461.82	5	3,804.24	5	4,146.71	5	4,488.05	5	4,828.86	5	5	5	5	5	5	5	5	5	5
1/4	3,468.96	1/4	3,811.37	1/4	4,153.84	1/4	4,495.15	1/4	4,835.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,476.09	1/2	3,818.51	1/2	4,160.97	1/2	4,502.26	1/2	4,842.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,483.22	3/4	3,825.64	3/4	4,168.11	3/4	4,509.36	3/4	4,850.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,490.36	6	3,832.78	6	4,175.24	6	4,516.46	6	4,857.09	6	6	6	6	6	6	6	6	6	6
1/4	3,497.49	1/4	3,839.91	1/4	4,182.38	1/4	4,523.56	1/4	4,864.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,504.62	1/2	3,847.05	1/2	4,189.51	1/2	4,530.66	1/2	4,871.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,511.75	3/4	3,854.18	3/4	4,196.65	3/4	4,537.77	3/4	4,878.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,518.89	7	3,861.32	7	4,203.78	7	4,544.87	7	4,885.32	7	7	7	7	7	7	7	7	7	7
1/4	3,526.02	1/4	3,868.45	1/4	4,210.92	1/4	4,551.97	1/4	4,892.37	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,533.15	1/2	3,875.59	1/2	4,218.05	1/2	4,559.07	1/2	4,899.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,540.28	3/4	3,882.72	3/4	4,225.19	3/4	4,566.17	3/4	4,906.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,547.42	8	3,889.86	8	4,232.32	8	4,573.28	8	4,913.52	8	8	8	8	8	8	8	8	8	8
1/4	3,554.55	1/4	3,896.99	1/4	4,239.44	1/4	4,580.38	1/4	4,920.53	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,561.68	1/2	3,904.13	1/2	4,246.56	1/2	4,587.48	1/2	4,927.55	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,568.82	3/4	3,911.26	3/4	4,253.67	3/4	4,594.58	3/4	4,934.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,575.95	9	3,918.40	9	4,260.79	9	4,601.68	9	4,941.58	9	9	9	9	9	9	9	9	9	9
1/4	3,583.08	1/4	3,925.53	1/4	4,267.89	1/4	4,608.79	1/4	4,948.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,590.21	1/2	3,932.66	1/2	4,274.99	1/2	4,615.89	1/2	4,954.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,597.35	3/4	3,939.80	3/4	4,282.09	3/4	4,622.99	3/4	4,961.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,604.48	10	3,946.93	10	4,289.20	10	4,630.09	10	4,967.89	10	10	10	10	10	10	10	10	10	10
1/4	3,611.61	1/4	3,954.07	1/4	4,296.30	1/4	4,637.19	1/4	4,973.46	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,618.74	1/2	3,961.20	1/2	4,303.40	1/2	4,644.30	1/2	4,979.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,625.87	3/4	3,968.34	3/4	4,310.50	3/4	4,651.40	3/4	4,984.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,633.01	11	3,975.47	11	4,317.60	11	4,658.50	11	4,990.17	11	11	11	11	11	11	11	11	11	11
1/4	3,640.14	1/4	3,982.61	1/4	4,324.71	1/4	4,665.60	1/4	4,994.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,647.28	1/2	3,989.74	1/2	4,331.81	1/2	4,672.70	1/2	4,998.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,654.41	3/4	3,996.88	3/4	4,338.91	3/4	4,679.81	3/4	5,003.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/28/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

1 STBD

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-01 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	2.15	0	251.72	0	582.14	0	924.50	0	1,266.90	0	1,609.43	0	1,951.96	0	2,294.49	0	2,637.02	0	2,979.53
1/4	3.93	1/4	258.19	1/4	589.28	1/4	931.63	1/4	1,274.04	1/4	1,616.57	1/4	1,959.10	1/4	2,301.62	1/4	2,644.16	1/4	2,986.66
1/2	5.72	1/2	264.66	1/2	596.41	1/2	938.76	1/2	1,281.18	1/2	1,623.70	1/2	1,966.23	1/2	2,308.76	1/2	2,651.29	1/2	2,993.80
3/4	7.50	3/4	271.13	3/4	603.55	3/4	945.88	3/4	1,288.31	3/4	1,630.84	3/4	1,973.37	3/4	2,315.90	3/4	2,658.43	3/4	3,000.93
1	9.28	1	277.60	1	610.69	1	953.01	1	1,295.45	1	1,637.98	1	1,980.50	1	2,323.03	1	2,665.56	1	3,008.07
1/4	12.08	1/4	284.15	1/4	617.82	1/4	960.14	1/4	1,302.58	1/4	1,645.11	1/4	1,987.64	1/4	2,330.17	1/4	2,672.70	1/4	3,015.20
1/2	14.88	1/2	290.70	1/2	624.96	1/2	967.26	1/2	1,309.72	1/2	1,652.25	1/2	1,994.78	1/2	2,337.30	1/2	2,679.83	1/2	3,022.33
3/4	17.67	3/4	297.25	3/4	632.09	3/4	974.39	3/4	1,316.86	3/4	1,659.38	3/4	2,001.91	3/4	2,344.44	3/4	2,686.97	3/4	3,029.47
2	20.47	2	303.80	2	639.23	2	981.52	2	1,323.99	2	1,666.52	2	2,009.05	2	2,351.58	2	2,694.10	2	3,036.60
1/4	24.32	1/4	310.44	1/4	646.37	1/4	988.65	1/4	1,331.13	1/4	1,673.66	1/4	2,016.18	1/4	2,358.71	1/4	2,701.24	1/4	3,043.74
1/2	28.17	1/2	317.07	1/2	653.50	1/2	995.77	1/2	1,338.26	1/2	1,680.79	1/2	2,023.32	1/2	2,365.85	1/2	2,708.38	1/2	3,050.87
3/4	32.02	3/4	323.71	3/4	660.64	3/4	1,002.90	3/4	1,345.40	3/4	1,687.93	3/4	2,030.46	3/4	2,372.98	3/4	2,715.51	3/4	3,058.00
3	35.87	3	330.34	3	667.77	3	1,010.03	3	1,352.54	3	1,695.06	3	2,037.59	3	2,380.12	3	2,722.65	3	3,065.14
1/4	41.12	1/4	337.06	1/4	674.91	1/4	1,017.16	1/4	1,359.67	1/4	1,702.20	1/4	2,044.73	1/4	2,387.26	1/4	2,729.78	1/4	3,072.27
1/2	46.37	1/2	343.78	1/2	682.04	1/2	1,024.29	1/2	1,366.81	1/2	1,709.34	1/2	2,051.86	1/2	2,394.39	1/2	2,736.92	1/2	3,079.40
3/4	51.62	3/4	350.50	3/4	689.18	3/4	1,031.42	3/4	1,373.94	3/4	1,716.47	3/4	2,059.00	3/4	2,401.53	3/4	2,744.05	3/4	3,086.54
4	56.88	4	357.22	4	696.32	4	1,038.55	4	1,381.08	4	1,723.61	4	2,066.14	4	2,408.66	4	2,751.19	4	3,093.67
1/4	62.65	1/4	364.02	1/4	703.45	1/4	1,045.69	1/4	1,388.22	1/4	1,730.74	1/4	2,073.27	1/4	2,415.80	1/4	2,758.33	1/4	3,100.81
1/2	68.43	1/2	370.82	1/2	710.59	1/2	1,052.82	1/2	1,395.35	1/2	1,737.88	1/2	2,080.41	1/2	2,422.94	1/2	2,765.46	1/2	3,107.94
3/4	74.21	3/4	377.62	3/4	717.72	3/4	1,059.96	3/4	1,402.49	3/4	1,745.02	3/4	2,087.54	3/4	2,430.07	3/4	2,772.60	3/4	3,115.07
5	79.98	5	384.43	5	724.86	5	1,067.10	5	1,409.62	5	1,752.15	5	2,094.68	5	2,437.21	5	2,779.73	5	3,122.21
1/4	85.86	1/4	391.31	1/4	732.00	1/4	1,074.23	1/4	1,416.76	1/4	1,759.29	1/4	2,101.82	1/4	2,444.34	1/4	2,786.87	1/4	3,129.34
1/2	91.74	1/2	398.20	1/2	739.13	1/2	1,081.37	1/2	1,423.90	1/2	1,766.42	1/2	2,108.95	1/2	2,451.48	1/2	2,794.00	1/2	3,136.47
3/4	97.62	3/4	405.08	3/4	746.27	3/4	1,088.50	3/4	1,431.03	3/4	1,773.56	3/4	2,116.09	3/4	2,458.62	3/4	2,801.14	3/4	3,143.61
6	103.50	6	411.97	6	753.40	6	1,095.64	6	1,438.17	6	1,780.70	6	2,123.22	6	2,465.75	6	2,808.27	6	3,150.74
1/4	109.46	1/4	418.94	1/4	760.54	1/4	1,102.78	1/4	1,445.30	1/4	1,787.83	1/4	2,130.36	1/4	2,472.89	1/4	2,815.41	1/4	3,157.87
1/2	115.43	1/2	425.91	1/2	767.67	1/2	1,109.91	1/2	1,452.44	1/2	1,794.97	1/2	2,137.50	1/2	2,480.02	1/2	2,822.55	1/2	3,165.01
3/4	121.40	3/4	432.88	3/4	774.81	3/4	1,117.05	3/4	1,459.58	3/4	1,802.10	3/4	2,144.63	3/4	2,487.16	3/4	2,829.68	3/4	3,172.14
7	127.37	7	439.84	7	781.94	7	1,124.18	7	1,466.71	7	1,809.24	7	2,151.77	7	2,494.30	7	2,836.82	7	3,179.28
1/4	133.42	1/4	446.90	1/4	789.08	1/4	1,131.32	1/4	1,473.85	1/4	1,816.38	1/4	2,158.90	1/4	2,501.43	1/4	2,843.95	1/4	3,186.41
1/2	139.47	1/2	453.95	1/2	796.21	1/2	1,138.46	1/2	1,480.98	1/2	1,823.51	1/2	2,166.04	1/2	2,508.57	1/2	2,851.09	1/2	3,193.54
3/4	145.52	3/4	461.00	3/4	803.34	3/4	1,145.59	3/4	1,488.12	3/4	1,830.65	3/4	2,173.18	3/4	2,515.70	3/4	2,858.22	3/4	3,200.68
8	151.57	8	468.05	8	810.47	8	1,152.73	8	1,495.26	8	1,837.78	8	2,180.31	8	2,522.84	8	2,865.36	8	3,207.81
1/4	157.70	1/4	475.17	1/4	817.60	1/4	1,159.86	1/4	1,502.39	1/4	1,844.92	1/4	2,187.45	1/4	2,529.98	1/4	2,872.49	1/4	3,214.94
1/2	163.84	1/2	482.28	1/2	824.72	1/2	1,167.00	1/2	1,509.53	1/2	1,852.06	1/2	2,194.58	1/2	2,537.11	1/2	2,879.63	1/2	3,222.08
3/4	169.97	3/4	489.40	3/4	831.85	3/4	1,174.14	3/4	1,516.66	3/4	1,859.19	3/4	2,201.72	3/4	2,544.25	3/4	2,886.77	3/4	3,229.21
9	176.11	9	496.51	9	838.98	9	1,181.27	9	1,523.80	9	1,866.33	9	2,208.86	9	2,551.38	9	2,893.90	9	3,236.35
1/4	182.33	1/4	503.65	1/4	846.10	1/4	1,188.41	1/4	1,530.94	1/4	1,873.46	1/4	2,215.99	1/4	2,558.52	1/4	2,901.04	1/4	3,243.48
1/2	188.54	1/2	510.79	1/2	853.23	1/2	1,195.54	1/2	1,538.07	1/2	1,880.60	1/2	2,223.13	1/2	2,565.66	1/2	2,908.17	1/2	3,250.61
3/4	194.76	3/4	517.92	3/4	860.36	3/4	1,202.68	3/4	1,545.21	3/4	1,887.74	3/4	2,230.26	3/4	2,572.79	3/4	2,915.31	3/4	3,257.75
10	200.98	10	525.06	10	867.48	10	1,209.82	10	1,552.34	10	1,894.87	10	2,237.40	10	2,579.93	10	2,922.44	10	3,264.88
1/4	207.28	1/4	532.19	1/4	874.61	1/4	1,216.95	1/4	1,559.48	1/4	1,902.01	1/4	2,244.54	1/4	2,587.06	1/4	2,929.58	1/4	3,272.01
1/2	213.58	1/2	539.33	1/2	881.74	1/2	1,224.09	1/2	1,566.62	1/2	1,909.14	1/2	2,251.67	1/2	2,594.20	1/2	2,936.72	1/2	3,279.15
3/4	219.88	3/4	546.46	3/4	888.87	3/4	1,231.22	3/4	1,573.75	3/4	1,916.28	3/4	2,258.81	3/4	2,601.34	3/4	2,943.85	3/4	3,286.28
11	226.18	11	553.60	11	895.99	11	1,238.36	11	1,580.89	11	1,923.42	11	2,265.94	11	2,608.47	11	2,950.99	11	3,293.42
1/4	232.57	1/4	560.74	1/4	903.12	1/4	1,245.50	1/4	1,588.02	1/4	1,930.55	1/4	2,273.08	1/4	2,615.61	1/4	2,958.12	1/4	3,300.55
1/2	238.95	1/2	567.87	1/2	910.25	1/2	1,252.63	1/2	1,595.16	1/2	1,937.69	1/2	2,280.22	1/2	2,622.75	1/2	2,965.26	1/2	3,307.68
3/4	245.34	3/4	575.01	3/4	917.37	3/4	1,259.77	3/4	1,602.30	3/4	1,944.82	3/4	2,287.35	3/4	2,629.88	3/4	2,972.39	3/4	3,314.82

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 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 423"

1 STBD

INNAGE TABLE

10" HATCH

GAUGE HEIGHT 18'-01 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	3,321.95	0	3,664.37	0	4,006.88	0	4,348.93	0	4,689.88	0	5,010.70	0		0		0		0	
1/4	3,329.08	1/4	3,671.51	1/4	4,014.02	1/4	4,356.03	1/4	4,696.98	1/4	5,013.89	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,336.22	1/2	3,678.64	1/2	4,021.16	1/2	4,363.14	1/2	4,704.08	1/2	5,017.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,343.35	3/4	3,685.78	3/4	4,028.29	3/4	4,370.24	3/4	4,711.18	3/4	5,020.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,350.48	1	3,692.91	1	4,035.43	1	4,377.34	1	4,718.29	1	5,023.47	1	1	1	1	1	1	1	1
1/4	3,357.62	1/4	3,700.05	1/4	4,042.56	1/4	4,384.45	1/4	4,725.39	1/4	5,025.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,364.75	1/2	3,707.19	1/2	4,049.70	1/2	4,391.55	1/2	4,732.49	1/2	5,027.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,371.89	3/4	3,714.32	3/4	4,056.83	3/4	4,398.65	3/4	4,739.60	3/4	5,029.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,379.02	2	3,721.46	2	4,063.97	2	4,405.76	2	4,746.70	2	5,031.48	2	2	2	2	2	2	2	2
1/4	3,386.15	1/4	3,728.59	1/4	4,071.11	1/4	4,412.86	1/4	4,753.80	1/4	5,032.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,393.29	1/2	3,735.73	1/2	4,078.24	1/2	4,419.96	1/2	4,760.91	1/2	5,033.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,400.42	3/4	3,742.86	3/4	4,085.38	3/4	4,427.06	3/4	4,768.01	3/4	5,034.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,407.55	3	3,750.00	3	4,092.51	3	4,434.17	3	4,775.11	3	5,035.19	3	3	3	3	3	3	3	3
1/4	3,414.69	1/4	3,757.13	1/4	4,099.65	1/4	4,441.27	1/4	4,782.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,421.82	1/2	3,764.27	1/2	4,106.78	1/2	4,448.37	1/2	4,789.32	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,428.96	3/4	3,771.41	3/4	4,113.92	3/4	4,455.48	3/4	4,796.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,436.09	4	3,778.54	4	4,121.06	4	4,462.58	4	4,803.52	4	4	4	4	4	4	4	4	4	4
1/4	3,443.22	1/4	3,785.68	1/4	4,128.19	1/4	4,469.68	1/4	4,810.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,450.36	1/2	3,792.81	1/2	4,135.33	1/2	4,476.79	1/2	4,817.68	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,457.49	3/4	3,799.95	3/4	4,142.46	3/4	4,483.89	3/4	4,824.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,464.62	5	3,807.08	5	4,149.60	5	4,490.99	5	4,831.84	5	5	5	5	5	5	5	5	5	5
1/4	3,471.76	1/4	3,814.22	1/4	4,156.73	1/4	4,498.09	1/4	4,838.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,478.89	1/2	3,821.36	1/2	4,163.87	1/2	4,505.20	1/2	4,845.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,486.03	3/4	3,828.49	3/4	4,171.01	3/4	4,512.30	3/4	4,853.02	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,493.16	6	3,835.63	6	4,178.14	6	4,519.40	6	4,860.08	6	6	6	6	6	6	6	6	6	6
1/4	3,500.29	1/4	3,842.76	1/4	4,185.28	1/4	4,526.51	1/4	4,867.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,507.43	1/2	3,849.90	1/2	4,192.41	1/2	4,533.61	1/2	4,874.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,514.56	3/4	3,857.03	3/4	4,199.55	3/4	4,540.71	3/4	4,881.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,521.69	7	3,864.17	7	4,206.68	7	4,547.82	7	4,888.30	7	7	7	7	7	7	7	7	7	7
1/4	3,528.83	1/4	3,871.31	1/4	4,213.82	1/4	4,554.92	1/4	4,895.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,535.96	1/2	3,878.44	1/2	4,220.96	1/2	4,562.02	1/2	4,902.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,543.09	3/4	3,885.58	3/4	4,228.09	3/4	4,569.12	3/4	4,909.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,550.23	8	3,892.71	8	4,235.23	8	4,576.23	8	4,916.51	8	8	8	8	8	8	8	8	8	8
1/4	3,557.36	1/4	3,899.85	1/4	4,242.34	1/4	4,583.33	1/4	4,923.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,564.50	1/2	3,906.98	1/2	4,249.46	1/2	4,590.43	1/2	4,930.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,571.63	3/4	3,914.12	3/4	4,256.58	3/4	4,597.54	3/4	4,937.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,578.76	9	3,921.26	9	4,263.70	9	4,604.64	9	4,944.57	9	9	9	9	9	9	9	9	9	9
1/4	3,585.90	1/4	3,928.39	1/4	4,270.80	1/4	4,611.74	1/4	4,951.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,593.03	1/2	3,935.53	1/2	4,277.90	1/2	4,618.85	1/2	4,957.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,600.16	3/4	3,942.66	3/4	4,285.00	3/4	4,625.95	3/4	4,964.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,607.30	10	3,949.80	10	4,292.11	10	4,633.05	10	4,970.88	10	10	10	10	10	10	10	10	10	10
1/4	3,614.43	1/4	3,956.93	1/4	4,299.21	1/4	4,640.15	1/4	4,976.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,621.56	1/2	3,964.07	1/2	4,306.31	1/2	4,647.26	1/2	4,982.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,628.70	3/4	3,971.21	3/4	4,313.42	3/4	4,654.36	3/4	4,987.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,635.83	11	3,978.34	11	4,320.52	11	4,661.46	11	4,993.17	11	11	11	11	11	11	11	11	11	11
1/4	3,642.96	1/4	3,985.48	1/4	4,327.62	1/4	4,668.57	1/4	4,997.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,650.10	1/2	3,992.61	1/2	4,334.73	1/2	4,675.67	1/2	5,001.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,657.24	3/4	3,999.75	3/4	4,341.83	3/4	4,682.77	3/4	5,006.32	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/28/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

2 PORT INNAGE TABLE

10" HATCH GAUGE HEIGHT 18'-01 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	2.16	0	300.67	0	644.10	0	979.67	0	1,316.48	0	1,659.92	0	2,003.37	0	2,346.81	0	2,690.26	0	3,033.70
1/4	3.94	1/4	307.82	1/4	651.25	1/4	986.52	1/4	1,323.63	1/4	1,667.08	1/4	2,010.52	1/4	2,353.97	1/4	2,697.41	1/4	3,040.85
1/2	5.73	1/2	314.98	1/2	658.41	1/2	993.36	1/2	1,330.79	1/2	1,674.23	1/2	2,017.68	1/2	2,361.12	1/2	2,704.57	1/2	3,048.01
3/4	7.52	3/4	322.13	3/4	665.56	3/4	1,000.21	3/4	1,337.94	3/4	1,681.39	3/4	2,024.83	3/4	2,368.28	3/4	2,711.72	3/4	3,055.16
1	9.31	1	329.29	1	672.72	1	1,007.06	1	1,345.10	1	1,688.54	1	2,031.99	1	2,375.43	1	2,718.88	1	3,062.31
1/4	12.89	1/4	336.44	1/4	679.87	1/4	1,013.91	1/4	1,352.25	1/4	1,695.70	1/4	2,039.14	1/4	2,382.59	1/4	2,726.03	1/4	3,069.46
1/2	16.46	1/2	343.60	1/2	687.03	1/2	1,020.75	1/2	1,359.41	1/2	1,702.85	1/2	2,046.30	1/2	2,389.74	1/2	2,733.19	1/2	3,076.62
3/4	20.04	3/4	350.75	3/4	694.18	3/4	1,027.60	3/4	1,366.56	3/4	1,710.01	3/4	2,053.45	3/4	2,396.90	3/4	2,740.34	3/4	3,083.77
2	23.62	2	357.91	2	701.34	2	1,034.45	2	1,373.72	2	1,717.16	2	2,060.61	2	2,404.05	2	2,747.50	2	3,090.92
1/4	28.98	1/4	365.06	1/4	708.49	1/4	1,041.30	1/4	1,380.87	1/4	1,724.32	1/4	2,067.76	1/4	2,411.21	1/4	2,754.65	1/4	3,098.08
1/2	34.35	1/2	372.22	1/2	715.65	1/2	1,048.14	1/2	1,388.03	1/2	1,731.47	1/2	2,074.92	1/2	2,418.36	1/2	2,761.81	1/2	3,105.23
3/4	39.71	3/4	379.37	3/4	722.80	3/4	1,054.99	3/4	1,395.18	3/4	1,738.63	3/4	2,082.07	3/4	2,425.52	3/4	2,768.96	3/4	3,112.38
3	45.08	3	386.53	3	729.96	3	1,061.84	3	1,402.34	3	1,745.78	3	2,089.23	3	2,432.67	3	2,776.12	3	3,119.54
1/4	51.77	1/4	393.68	1/4	737.11	1/4	1,068.69	1/4	1,409.49	1/4	1,752.94	1/4	2,096.38	1/4	2,439.83	1/4	2,783.27	1/4	3,126.69
1/2	58.46	1/2	400.84	1/2	744.27	1/2	1,075.54	1/2	1,416.65	1/2	1,760.09	1/2	2,103.54	1/2	2,446.98	1/2	2,790.43	1/2	3,133.84
3/4	65.15	3/4	407.99	3/4	751.42	3/4	1,082.39	3/4	1,423.80	3/4	1,767.25	3/4	2,110.69	3/4	2,454.14	3/4	2,797.58	3/4	3,140.99
4	71.84	4	415.15	4	758.58	4	1,089.24	4	1,430.96	4	1,774.40	4	2,117.85	4	2,461.29	4	2,804.74	4	3,148.15
1/4	78.97	1/4	422.30	1/4	765.73	1/4	1,096.11	1/4	1,438.11	1/4	1,781.56	1/4	2,125.00	1/4	2,468.45	1/4	2,811.89	1/4	3,155.30
1/2	86.10	1/2	429.46	1/2	772.89	1/2	1,102.97	1/2	1,445.27	1/2	1,788.71	1/2	2,132.16	1/2	2,475.60	1/2	2,819.05	1/2	3,162.45
3/4	93.23	3/4	436.61	3/4	780.04	3/4	1,109.84	3/4	1,452.43	3/4	1,795.87	3/4	2,139.31	3/4	2,482.76	3/4	2,826.20	3/4	3,169.61
5	100.36	5	443.77	5	787.20	5	1,116.70	5	1,459.58	5	1,803.03	5	2,146.47	5	2,489.91	5	2,833.36	5	3,176.76
1/4	107.51	1/4	450.92	1/4	794.21	1/4	1,123.71	1/4	1,466.74	1/4	1,810.18	1/4	2,153.62	1/4	2,497.07	1/4	2,840.51	1/4	3,183.91
1/2	114.66	1/2	458.08	1/2	801.23	1/2	1,130.73	1/2	1,473.89	1/2	1,817.34	1/2	2,160.78	1/2	2,504.22	1/2	2,847.67	1/2	3,191.07
3/4	121.81	3/4	465.23	3/4	808.24	3/4	1,137.74	3/4	1,481.05	3/4	1,824.49	3/4	2,167.94	3/4	2,511.38	3/4	2,854.82	3/4	3,198.22
6	128.96	6	472.38	6	815.25	6	1,144.76	6	1,488.20	6	1,831.65	6	2,175.09	6	2,518.53	6	2,861.98	6	3,205.37
1/4	136.11	1/4	479.54	1/4	822.12	1/4	1,151.91	1/4	1,495.36	1/4	1,838.80	1/4	2,182.25	1/4	2,525.69	1/4	2,869.13	1/4	3,212.52
1/2	143.26	1/2	486.69	1/2	828.98	1/2	1,159.07	1/2	1,502.51	1/2	1,845.96	1/2	2,189.40	1/2	2,532.85	1/2	2,876.29	1/2	3,219.68
3/4	150.42	3/4	493.85	3/4	835.85	3/4	1,166.22	3/4	1,509.67	3/4	1,853.11	3/4	2,196.56	3/4	2,540.00	3/4	2,883.45	3/4	3,226.83
7	157.57	7	501.00	7	842.71	7	1,173.38	7	1,516.82	7	1,860.27	7	2,203.71	7	2,547.16	7	2,890.60	7	3,233.98
1/4	164.73	1/4	508.16	1/4	849.56	1/4	1,180.53	1/4	1,523.98	1/4	1,867.42	1/4	2,210.87	1/4	2,554.31	1/4	2,897.76	1/4	3,241.14
1/2	171.88	1/2	515.31	1/2	856.41	1/2	1,187.69	1/2	1,531.13	1/2	1,874.58	1/2	2,218.02	1/2	2,561.47	1/2	2,904.91	1/2	3,248.29
3/4	179.04	3/4	522.47	3/4	863.26	3/4	1,194.84	3/4	1,538.29	3/4	1,881.73	3/4	2,225.18	3/4	2,568.62	3/4	2,912.07	3/4	3,255.44
8	186.19	8	529.62	8	870.11	8	1,202.00	8	1,545.44	8	1,888.89	8	2,232.33	8	2,575.78	8	2,919.22	8	3,262.60
1/4	193.35	1/4	536.78	1/4	876.96	1/4	1,209.15	1/4	1,552.60	1/4	1,896.04	1/4	2,239.49	1/4	2,582.93	1/4	2,926.38	1/4	3,269.75
1/2	200.50	1/2	543.93	1/2	883.81	1/2	1,216.31	1/2	1,559.75	1/2	1,903.20	1/2	2,246.64	1/2	2,590.09	1/2	2,933.53	1/2	3,276.90
3/4	207.66	3/4	551.09	3/4	890.66	3/4	1,223.46	3/4	1,566.91	3/4	1,910.35	3/4	2,253.80	3/4	2,597.24	3/4	2,940.69	3/4	3,284.05
9	214.81	9	558.24	9	897.50	9	1,230.62	9	1,574.06	9	1,917.51	9	2,260.95	9	2,604.40	9	2,947.84	9	3,291.21
1/4	221.97	1/4	565.40	1/4	904.35	1/4	1,237.77	1/4	1,581.22	1/4	1,924.66	1/4	2,268.11	1/4	2,611.55	1/4	2,955.00	1/4	3,298.36
1/2	229.12	1/2	572.55	1/2	911.20	1/2	1,244.93	1/2	1,588.37	1/2	1,931.82	1/2	2,275.26	1/2	2,618.71	1/2	2,962.15	1/2	3,305.51
3/4	236.28	3/4	579.71	3/4	918.04	3/4	1,252.08	3/4	1,595.53	3/4	1,938.97	3/4	2,282.42	3/4	2,625.86	3/4	2,969.31	3/4	3,312.67
10	243.43	10	586.86	10	924.89	10	1,259.24	10	1,602.68	10	1,946.13	10	2,289.57	10	2,633.02	10	2,976.46	10	3,319.82
1/4	250.59	1/4	594.02	1/4	931.74	1/4	1,266.39	1/4	1,609.84	1/4	1,953.28	1/4	2,296.73	1/4	2,640.17	1/4	2,983.62	1/4	3,326.97
1/2	257.74	1/2	601.17	1/2	938.59	1/2	1,273.55	1/2	1,616.99	1/2	1,960.44	1/2	2,303.88	1/2	2,647.33	1/2	2,990.77	1/2	3,334.13
3/4	264.90	3/4	608.33	3/4	945.43	3/4	1,280.70	3/4	1,624.15	3/4	1,967.59	3/4	2,311.04	3/4	2,654.48	3/4	2,997.93	3/4	3,341.28
11	272.05	11	615.48	11	952.28	11	1,287.86	11	1,631.30	11	1,974.75	11	2,318.19	11	2,661.64	11	3,005.08	11	3,348.43
1/4	279.21	1/4	622.64	1/4	959.13	1/4	1,295.01	1/4	1,638.46	1/4	1,981.90	1/4	2,325.35	1/4	2,668.79	1/4	3,012.24	1/4	3,355.58
1/2	286.36	1/2	629.79	1/2	965.98	1/2	1,302.17	1/2	1,645.61	1/2	1,989.06	1/2	2,332.50	1/2	2,675.95	1/2	3,019.39	1/2	3,362.74
3/4	293.51	3/4	636.95	3/4	972.82	3/4	1,309.32	3/4	1,652.77	3/4	1,996.21	3/4	2,339.66	3/4	2,683.10	3/4	3,026.55	3/4	3,369.89

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "MPX 423"

2 PORT INNAGE TABLE 10" HATCH GAUGE HEIGHT 18'-01 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	3,377.04	0	3,720.39	0	4,063.73	0	4,406.63	0	4,748.41	0	5,070.02	0		0		0		0	
1/4	3,384.20	1/4	3,727.54	1/4	4,070.88	1/4	4,413.75	1/4	4,755.53	1/4	5,073.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,391.35	1/2	3,734.69	1/2	4,078.04	1/2	4,420.87	1/2	4,762.65	1/2	5,076.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,398.50	3/4	3,741.85	3/4	4,085.19	3/4	4,427.99	3/4	4,769.77	3/4	5,079.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,405.66	1	3,749.00	1	4,092.34	1	4,435.11	1	4,776.89	1	5,082.82	1	1	1	1	1	1	1	1
1/4	3,412.81	1/4	3,756.15	1/4	4,099.50	1/4	4,442.23	1/4	4,784.01	1/4	5,084.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,419.96	1/2	3,763.31	1/2	4,106.65	1/2	4,449.35	1/2	4,791.13	1/2	5,086.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,427.11	3/4	3,770.46	3/4	4,113.80	3/4	4,456.48	3/4	4,798.25	3/4	5,088.84	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,434.27	2	3,777.61	2	4,120.96	2	4,463.60	2	4,805.37	2	5,090.85	2	2	2	2	2	2	2	2
1/4	3,441.42	1/4	3,784.76	1/4	4,128.11	1/4	4,470.72	1/4	4,812.50	1/4	5,091.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,448.57	1/2	3,791.92	1/2	4,135.26	1/2	4,477.84	1/2	4,819.62	1/2	5,092.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,455.73	3/4	3,799.07	3/4	4,142.41	3/4	4,484.96	3/4	4,826.74	3/4	5,093.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,462.88	3	3,806.22	3	4,149.57	3	4,492.08	3	4,833.86	3	5,094.56	3	3	3	3	3	3	3	3
1/4	3,470.03	1/4	3,813.38	1/4	4,156.72	1/4	4,499.20	1/4	4,840.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,477.19	1/2	3,820.53	1/2	4,163.87	1/2	4,506.32	1/2	4,848.10	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,484.34	3/4	3,827.68	3/4	4,171.03	3/4	4,513.44	3/4	4,855.22	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,491.49	4	3,834.84	4	4,178.18	4	4,520.56	4	4,862.34	4	4	4	4	4	4	4	4	4	4
1/4	3,498.64	1/4	3,841.99	1/4	4,185.33	1/4	4,527.68	1/4	4,869.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,505.80	1/2	3,849.14	1/2	4,192.49	1/2	4,534.80	1/2	4,876.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,512.95	3/4	3,856.29	3/4	4,199.64	3/4	4,541.92	3/4	4,883.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,520.10	5	3,863.45	5	4,206.79	5	4,549.04	5	4,890.73	5	5	5	5	5	5	5	5	5	5
1/4	3,527.26	1/4	3,870.60	1/4	4,213.94	1/4	4,556.16	1/4	4,897.81	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,534.41	1/2	3,877.75	1/2	4,221.10	1/2	4,563.28	1/2	4,904.88	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,541.56	3/4	3,884.91	3/4	4,228.25	3/4	4,570.40	3/4	4,911.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,548.72	6	3,892.06	6	4,235.40	6	4,577.52	6	4,919.03	6	6	6	6	6	6	6	6	6	6
1/4	3,555.87	1/4	3,899.21	1/4	4,242.56	1/4	4,584.64	1/4	4,926.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,563.02	1/2	3,906.37	1/2	4,249.71	1/2	4,591.76	1/2	4,933.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,570.17	3/4	3,913.52	3/4	4,256.86	3/4	4,598.88	3/4	4,940.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,577.33	7	3,920.67	7	4,264.02	7	4,606.00	7	4,947.33	7	7	7	7	7	7	7	7	7	7
1/4	3,584.48	1/4	3,927.82	1/4	4,271.17	1/4	4,613.12	1/4	4,954.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,591.63	1/2	3,934.98	1/2	4,278.32	1/2	4,620.24	1/2	4,961.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,598.79	3/4	3,942.13	3/4	4,285.47	3/4	4,627.36	3/4	4,968.53	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,605.94	8	3,949.28	8	4,292.63	8	4,634.49	8	4,975.60	8	8	8	8	8	8	8	8	8	8
1/4	3,613.09	1/4	3,956.44	1/4	4,299.77	1/4	4,641.61	1/4	4,982.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,620.25	1/2	3,963.59	1/2	4,306.91	1/2	4,648.73	1/2	4,989.67	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,627.40	3/4	3,970.74	3/4	4,314.05	3/4	4,655.85	3/4	4,996.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,634.55	9	3,977.90	9	4,321.19	9	4,662.97	9	5,003.73	9	9	9	9	9	9	9	9	9	9
1/4	3,641.70	1/4	3,985.05	1/4	4,328.31	1/4	4,670.09	1/4	5,010.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,648.86	1/2	3,992.20	1/2	4,335.43	1/2	4,677.21	1/2	5,016.92	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,656.01	3/4	3,999.35	3/4	4,342.55	3/4	4,684.33	3/4	5,023.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,663.16	10	4,006.51	10	4,349.67	10	4,691.45	10	5,030.11	10	10	10	10	10	10	10	10	10	10
1/4	3,670.32	1/4	4,013.66	1/4	4,356.79	1/4	4,698.57	1/4	5,035.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,677.47	1/2	4,020.81	1/2	4,363.91	1/2	4,705.69	1/2	5,041.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,684.62	3/4	4,027.97	3/4	4,371.03	3/4	4,712.81	3/4	5,046.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,691.78	11	4,035.12	11	4,378.15	11	4,719.93	11	5,052.45	11	11	11	11	11	11	11	11	11	11
1/4	3,698.93	1/4	4,042.27	1/4	4,385.27	1/4	4,727.05	1/4	5,056.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,706.08	1/2	4,049.43	1/2	4,392.39	1/2	4,734.17	1/2	5,061.23	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,713.23	3/4	4,056.58	3/4	4,399.51	3/4	4,741.29	3/4	5,065.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/28/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

2 STBD

INNAGE 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	2.16	0	300.74	0	644.25	0	987.50	0	1,330.81	0	1,674.33	0	2,017.86	0	2,361.39	0	2,704.91	0	3,048.44
1/4	3.95	1/4	307.90	1/4	651.41	1/4	994.64	1/4	1,337.96	1/4	1,681.49	1/4	2,025.02	1/4	2,368.54	1/4	2,712.07	1/4	3,055.59
1/2	5.73	1/2	315.05	1/2	658.57	1/2	1,001.78	1/2	1,345.12	1/2	1,688.65	1/2	2,032.17	1/2	2,375.70	1/2	2,719.23	1/2	3,062.75
3/4	7.52	3/4	322.21	3/4	665.72	3/4	1,008.93	3/4	1,352.28	3/4	1,695.80	3/4	2,039.33	3/4	2,382.86	3/4	2,726.38	3/4	3,069.91
1	9.31	1	329.37	1	672.88	1	1,016.07	1	1,359.43	1	1,702.96	1	2,046.49	1	2,390.01	1	2,733.54	1	3,077.06
1/4	12.89	1/4	336.52	1/4	680.04	1/4	1,023.21	1/4	1,366.59	1/4	1,710.12	1/4	2,053.64	1/4	2,397.17	1/4	2,740.70	1/4	3,084.22
1/2	16.47	1/2	343.68	1/2	687.19	1/2	1,030.36	1/2	1,373.75	1/2	1,717.27	1/2	2,060.80	1/2	2,404.33	1/2	2,747.85	1/2	3,091.37
3/4	20.05	3/4	350.84	3/4	694.35	3/4	1,037.50	3/4	1,380.90	3/4	1,724.43	3/4	2,067.96	3/4	2,411.48	3/4	2,755.01	3/4	3,098.53
2	23.62	2	357.99	2	701.51	2	1,044.64	2	1,388.06	2	1,731.59	2	2,075.11	2	2,418.64	2	2,762.17	2	3,105.68
1/4	28.99	1/4	365.15	1/4	708.66	1/4	1,051.78	1/4	1,395.22	1/4	1,738.74	1/4	2,082.27	1/4	2,425.80	1/4	2,769.32	1/4	3,112.84
1/2	34.36	1/2	372.31	1/2	715.82	1/2	1,058.93	1/2	1,402.37	1/2	1,745.90	1/2	2,089.43	1/2	2,432.95	1/2	2,776.48	1/2	3,119.99
3/4	39.72	3/4	379.46	3/4	722.98	3/4	1,066.07	3/4	1,409.53	3/4	1,753.06	3/4	2,096.58	3/4	2,440.11	3/4	2,783.64	3/4	3,127.14
3	45.09	3	386.62	3	730.13	3	1,073.21	3	1,416.69	3	1,760.21	3	2,103.74	3	2,447.27	3	2,790.79	3	3,134.30
1/4	51.78	1/4	393.78	1/4	737.29	1/4	1,080.36	1/4	1,423.84	1/4	1,767.37	1/4	2,110.90	1/4	2,454.42	1/4	2,797.95	1/4	3,141.45
1/2	58.47	1/2	400.93	1/2	744.44	1/2	1,087.51	1/2	1,431.00	1/2	1,774.53	1/2	2,118.05	1/2	2,461.58	1/2	2,805.11	1/2	3,148.61
3/4	65.16	3/4	408.09	3/4	751.60	3/4	1,094.65	3/4	1,438.16	3/4	1,781.68	3/4	2,125.21	3/4	2,468.74	3/4	2,812.26	3/4	3,155.76
4	71.85	4	415.25	4	758.76	4	1,101.80	4	1,445.31	4	1,788.84	4	2,132.37	4	2,475.89	4	2,819.42	4	3,162.92
1/4	78.99	1/4	422.40	1/4	765.91	1/4	1,108.95	1/4	1,452.47	1/4	1,796.00	1/4	2,139.52	1/4	2,483.05	1/4	2,826.58	1/4	3,170.07
1/2	86.12	1/2	429.56	1/2	773.07	1/2	1,116.11	1/2	1,459.63	1/2	1,803.15	1/2	2,146.68	1/2	2,490.21	1/2	2,833.73	1/2	3,177.23
3/4	93.25	3/4	436.72	3/4	780.23	3/4	1,123.26	3/4	1,466.79	3/4	1,810.31	3/4	2,153.84	3/4	2,497.36	3/4	2,840.89	3/4	3,184.38
5	100.39	5	443.87	5	787.38	5	1,130.42	5	1,473.94	5	1,817.47	5	2,160.99	5	2,504.52	5	2,848.05	5	3,191.54
1/4	107.54	1/4	451.03	1/4	794.54	1/4	1,137.57	1/4	1,481.10	1/4	1,824.63	1/4	2,168.15	1/4	2,511.68	1/4	2,855.20	1/4	3,198.69
1/2	114.69	1/2	458.18	1/2	801.70	1/2	1,144.73	1/2	1,488.26	1/2	1,831.78	1/2	2,175.31	1/2	2,518.83	1/2	2,862.36	1/2	3,205.85
3/4	121.84	3/4	465.34	3/4	808.85	3/4	1,151.89	3/4	1,495.41	3/4	1,838.94	3/4	2,182.47	3/4	2,525.99	3/4	2,869.52	3/4	3,213.00
6	128.99	6	472.50	6	816.01	6	1,159.04	6	1,502.57	6	1,846.10	6	2,189.62	6	2,533.15	6	2,876.67	6	3,220.16
1/4	136.14	1/4	479.65	1/4	823.17	1/4	1,166.20	1/4	1,509.73	1/4	1,853.25	1/4	2,196.78	1/4	2,540.31	1/4	2,883.83	1/4	3,227.31
1/2	143.30	1/2	486.81	1/2	830.32	1/2	1,173.36	1/2	1,516.88	1/2	1,860.41	1/2	2,203.94	1/2	2,547.46	1/2	2,890.99	1/2	3,234.47
3/4	150.46	3/4	493.97	3/4	837.48	3/4	1,180.51	3/4	1,524.04	3/4	1,867.57	3/4	2,211.09	3/4	2,554.62	3/4	2,898.15	3/4	3,241.62
7	157.61	7	501.12	7	844.63	7	1,187.67	7	1,531.20	7	1,874.72	7	2,218.25	7	2,561.78	7	2,905.30	7	3,248.78
1/4	164.77	1/4	508.28	1/4	851.78	1/4	1,194.83	1/4	1,538.35	1/4	1,881.88	1/4	2,225.41	1/4	2,568.93	1/4	2,912.46	1/4	3,255.93
1/2	171.92	1/2	515.44	1/2	858.92	1/2	1,201.98	1/2	1,545.51	1/2	1,889.04	1/2	2,232.56	1/2	2,576.09	1/2	2,919.62	1/2	3,263.09
3/4	179.08	3/4	522.59	3/4	866.07	3/4	1,209.14	3/4	1,552.67	3/4	1,896.19	3/4	2,239.72	3/4	2,583.25	3/4	2,926.77	3/4	3,270.24
8	186.24	8	529.75	8	873.22	8	1,216.30	8	1,559.82	8	1,903.35	8	2,246.88	8	2,590.40	8	2,933.93	8	3,277.40
1/4	193.39	1/4	536.91	1/4	880.36	1/4	1,223.45	1/4	1,566.98	1/4	1,910.51	1/4	2,254.03	1/4	2,597.56	1/4	2,941.09	1/4	3,284.55
1/2	200.55	1/2	544.06	1/2	887.50	1/2	1,230.61	1/2	1,574.14	1/2	1,917.66	1/2	2,261.19	1/2	2,604.72	1/2	2,948.24	1/2	3,291.71
3/4	207.71	3/4	551.22	3/4	894.65	3/4	1,237.77	3/4	1,581.29	3/4	1,924.82	3/4	2,268.35	3/4	2,611.87	3/4	2,955.40	3/4	3,298.86
9	214.86	9	558.38	9	901.79	9	1,244.92	9	1,588.45	9	1,931.98	9	2,275.50	9	2,619.03	9	2,962.56	9	3,306.01
1/4	222.02	1/4	565.53	1/4	908.93	1/4	1,252.08	1/4	1,595.61	1/4	1,939.13	1/4	2,282.66	1/4	2,626.19	1/4	2,969.71	1/4	3,313.17
1/2	229.18	1/2	572.69	1/2	916.07	1/2	1,259.24	1/2	1,602.76	1/2	1,946.29	1/2	2,289.82	1/2	2,633.34	1/2	2,976.87	1/2	3,320.32
3/4	236.33	3/4	579.85	3/4	923.22	3/4	1,266.39	3/4	1,609.92	3/4	1,953.45	3/4	2,296.97	3/4	2,640.50	3/4	2,984.03	3/4	3,327.48
10	243.49	10	587.00	10	930.36	10	1,273.55	10	1,617.08	10	1,960.60	10	2,304.13	10	2,647.66	10	2,991.18	10	3,334.63
1/4	250.65	1/4	594.16	1/4	937.50	1/4	1,280.71	1/4	1,624.23	1/4	1,967.76	1/4	2,311.29	1/4	2,654.81	1/4	2,998.34	1/4	3,341.79
1/2	257.80	1/2	601.31	1/2	944.64	1/2	1,287.87	1/2	1,631.39	1/2	1,974.92	1/2	2,318.44	1/2	2,661.97	1/2	3,005.50	1/2	3,348.94
3/4	264.96	3/4	608.47	3/4	951.79	3/4	1,295.02	3/4	1,638.55	3/4	1,982.07	3/4	2,325.60	3/4	2,669.13	3/4	3,012.65	3/4	3,356.10
11	272.12	11	615.63	11	958.93	11	1,302.18	11	1,645.71	11	1,989.23	11	2,332.76	11	2,676.28	11	3,019.81	11	3,363.25
1/4	279.27	1/4	622.78	1/4	966.07	1/4	1,309.34	1/4	1,652.86	1/4	1,996.39	1/4	2,339.91	1/4	2,683.44	1/4	3,026.97	1/4	3,370.41
1/2	286.43	1/2	629.94	1/2	973.21	1/2	1,316.49	1/2	1,660.02	1/2	2,003.55	1/2	2,347.07	1/2	2,690.60	1/2	3,034.12	1/2	3,377.56
3/4	293.59	3/4	637.10	3/4	980.36	3/4	1,323.65	3/4	1,667.18	3/4	2,010.70	3/4	2,354.23	3/4	2,697.75	3/4	3,041.28	3/4	3,384.72

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 INNAGE 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 423"

**2 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	3,391.87	0	3,735.31	0	4,078.84	0	4,421.91	0	4,763.87	0	5,085.64	0		0		0		0	
1/4	3,399.03	1/4	3,742.47	1/4	4,086.00	1/4	4,429.03	1/4	4,770.99	1/4	5,088.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,406.18	1/2	3,749.63	1/2	4,093.15	1/2	4,436.16	1/2	4,778.11	1/2	5,092.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,413.34	3/4	3,756.78	3/4	4,100.31	3/4	4,443.28	3/4	4,785.24	3/4	5,095.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,420.49	1	3,763.94	1	4,107.47	1	4,450.41	1	4,792.36	1	5,098.46	1	1	1	1	1	1	1	1
1/4	3,427.65	1/4	3,771.10	1/4	4,114.62	1/4	4,457.53	1/4	4,799.49	1/4	5,100.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,434.80	1/2	3,778.26	1/2	4,121.78	1/2	4,464.65	1/2	4,806.61	1/2	5,102.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,441.96	3/4	3,785.41	3/4	4,128.94	3/4	4,471.78	3/4	4,813.74	3/4	5,104.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,449.11	2	3,792.57	2	4,136.10	2	4,478.90	2	4,820.86	2	5,106.49	2	2	2	2	2	2	2	2
1/4	3,456.27	1/4	3,799.73	1/4	4,143.25	1/4	4,486.03	1/4	4,827.98	1/4	5,107.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,463.42	1/2	3,806.88	1/2	4,150.41	1/2	4,493.15	1/2	4,835.11	1/2	5,108.35	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,470.58	3/4	3,814.04	3/4	4,157.57	3/4	4,500.27	3/4	4,842.23	3/4	5,109.29	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,477.73	3	3,821.20	3	4,164.72	3	4,507.40	3	4,849.36	3	5,110.22	3	3	3	3	3	3	3	3
1/4	3,484.88	1/4	3,828.35	1/4	4,171.88	1/4	4,514.52	1/4	4,856.48	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,492.04	1/2	3,835.51	1/2	4,179.04	1/2	4,521.65	1/2	4,863.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,499.19	3/4	3,842.67	3/4	4,186.19	3/4	4,528.77	3/4	4,870.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,506.35	4	3,849.82	4	4,193.35	4	4,535.90	4	4,877.85	4		4	4	4	4	4	4	4	4
1/4	3,513.50	1/4	3,856.98	1/4	4,200.51	1/4	4,543.02	1/4	4,884.95	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,520.66	1/2	3,864.14	1/2	4,207.66	1/2	4,550.14	1/2	4,892.06	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,527.81	3/4	3,871.29	3/4	4,214.82	3/4	4,557.27	3/4	4,899.16	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,534.97	5	3,878.45	5	4,221.98	5	4,564.39	5	4,906.26	5		5	5	5	5	5	5	5	5
1/4	3,542.12	1/4	3,885.61	1/4	4,229.13	1/4	4,571.52	1/4	4,913.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,549.28	1/2	3,892.76	1/2	4,236.29	1/2	4,578.64	1/2	4,920.42	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,556.43	3/4	3,899.92	3/4	4,243.45	3/4	4,585.76	3/4	4,927.50	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,563.59	6	3,907.08	6	4,250.60	6	4,592.89	6	4,934.57	6		6	6	6	6	6	6	6	6
1/4	3,570.74	1/4	3,914.23	1/4	4,257.76	1/4	4,600.01	1/4	4,941.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,577.90	1/2	3,921.39	1/2	4,264.92	1/2	4,607.14	1/2	4,948.73	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,585.05	3/4	3,928.55	3/4	4,272.07	3/4	4,614.26	3/4	4,955.81	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,592.21	7	3,935.70	7	4,279.23	7	4,621.38	7	4,962.89	7		7	7	7	7	7	7	7	7
1/4	3,599.36	1/4	3,942.86	1/4	4,286.39	1/4	4,628.51	1/4	4,969.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,606.52	1/2	3,950.02	1/2	4,293.54	1/2	4,635.63	1/2	4,977.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,613.67	3/4	3,957.18	3/4	4,300.70	3/4	4,642.76	3/4	4,984.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,620.83	8	3,964.33	8	4,307.86	8	4,649.88	8	4,991.17	8		8	8	8	8	8	8	8	8
1/4	3,627.98	1/4	3,971.49	1/4	4,315.00	1/4	4,657.01	1/4	4,998.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,635.14	1/2	3,978.65	1/2	4,322.14	1/2	4,664.13	1/2	5,005.25	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,642.29	3/4	3,985.80	3/4	4,329.28	3/4	4,671.25	3/4	5,012.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,649.45	9	3,992.96	9	4,336.42	9	4,678.38	9	5,019.32	9		9	9	9	9	9	9	9	9
1/4	3,656.60	1/4	4,000.12	1/4	4,343.54	1/4	4,685.50	1/4	5,025.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,663.75	1/2	4,007.27	1/2	4,350.67	1/2	4,692.63	1/2	5,032.52	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,670.91	3/4	4,014.43	3/4	4,357.79	3/4	4,699.75	3/4	5,039.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,678.06	10	4,021.59	10	4,364.92	10	4,706.87	10	5,045.71	10		10	10	10	10	10	10	10	10
1/4	3,685.22	1/4	4,028.74	1/4	4,372.04	1/4	4,714.00	1/4	5,051.30	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,692.38	1/2	4,035.90	1/2	4,379.17	1/2	4,721.12	1/2	5,056.89	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,699.53	3/4	4,043.06	3/4	4,386.29	3/4	4,728.25	3/4	5,062.48	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,706.69	11	4,050.21	11	4,393.41	11	4,735.37	11	5,068.06	11		11	11	11	11	11	11	11	11
1/4	3,713.84	1/4	4,057.37	1/4	4,400.54	1/4	4,742.49	1/4	5,072.46	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,721.00	1/2	4,064.53	1/2	4,407.66	1/2	4,749.62	1/2	5,076.85	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,728.16	3/4	4,071.68	3/4	4,414.79	3/4	4,756.74	3/4	5,081.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/28/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

3 PORT INNAGE 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	2.15	0	299.37	0	640.89	0	974.55	0	1,309.42	0	1,650.76	0	1,992.09	0	2,333.42	0	2,674.72	0	3,016.18
1/4	3.93	1/4	306.50	1/4	648.00	1/4	981.35	1/4	1,316.54	1/4	1,657.87	1/4	1,999.20	1/4	2,340.53	1/4	2,681.83	1/4	3,023.29
1/2	5.71	1/2	313.62	1/2	655.11	1/2	988.15	1/2	1,323.65	1/2	1,664.98	1/2	2,006.31	1/2	2,347.64	1/2	2,688.94	1/2	3,030.40
3/4	7.49	3/4	320.75	3/4	662.22	3/4	994.95	3/4	1,330.76	3/4	1,672.09	3/4	2,013.42	3/4	2,354.76	3/4	2,696.05	3/4	3,037.52
1	9.27	1	327.87	1	669.33	1	1,001.76	1	1,337.87	1	1,679.20	1	2,020.53	1	2,361.87	1	2,703.16	1	3,044.63
1/4	12.83	1/4	334.99	1/4	676.45	1/4	1,008.56	1/4	1,344.98	1/4	1,686.31	1/4	2,027.65	1/4	2,368.98	1/4	2,710.27	1/4	3,051.74
1/2	16.39	1/2	342.12	1/2	683.56	1/2	1,015.36	1/2	1,352.09	1/2	1,693.42	1/2	2,034.76	1/2	2,376.09	1/2	2,717.38	1/2	3,058.84
3/4	19.96	3/4	349.24	3/4	690.67	3/4	1,022.16	3/4	1,359.20	3/4	1,700.53	3/4	2,041.87	3/4	2,383.20	3/4	2,724.49	3/4	3,065.95
2	23.52	2	356.37	2	697.78	2	1,028.96	2	1,366.31	2	1,707.65	2	2,048.98	2	2,390.31	2	2,731.60	2	3,073.06
1/4	28.86	1/4	363.48	1/4	704.90	1/4	1,035.77	1/4	1,373.42	1/4	1,714.76	1/4	2,056.09	1/4	2,397.42	1/4	2,738.71	1/4	3,080.16
1/2	34.20	1/2	370.60	1/2	712.01	1/2	1,042.57	1/2	1,380.54	1/2	1,721.87	1/2	2,063.20	1/2	2,404.53	1/2	2,745.83	1/2	3,087.27
3/4	39.54	3/4	377.72	3/4	719.12	3/4	1,049.37	3/4	1,387.65	3/4	1,728.98	3/4	2,070.31	3/4	2,411.64	3/4	2,752.94	3/4	3,094.37
3	44.89	3	384.84	3	726.23	3	1,056.17	3	1,394.76	3	1,736.09	3	2,077.42	3	2,418.76	3	2,760.05	3	3,101.48
1/4	51.55	1/4	391.95	1/4	733.35	1/4	1,062.98	1/4	1,401.87	1/4	1,743.20	1/4	2,084.53	1/4	2,425.87	1/4	2,767.16	1/4	3,108.58
1/2	58.21	1/2	399.06	1/2	740.46	1/2	1,069.78	1/2	1,408.98	1/2	1,750.31	1/2	2,091.65	1/2	2,432.98	1/2	2,774.27	1/2	3,115.68
3/4	64.87	3/4	406.18	3/4	747.57	3/4	1,076.59	3/4	1,416.09	3/4	1,757.42	3/4	2,098.76	3/4	2,440.09	3/4	2,781.38	3/4	3,122.77
4	71.53	4	413.29	4	754.68	4	1,083.40	4	1,423.20	4	1,764.53	4	2,105.87	4	2,447.20	4	2,788.49	4	3,129.87
1/4	78.63	1/4	420.40	1/4	761.80	1/4	1,090.24	1/4	1,430.31	1/4	1,771.65	1/4	2,112.98	1/4	2,454.31	1/4	2,795.60	1/4	3,136.96
1/2	85.73	1/2	427.51	1/2	768.91	1/2	1,097.09	1/2	1,437.42	1/2	1,778.76	1/2	2,120.09	1/2	2,461.42	1/2	2,802.71	1/2	3,144.05
3/4	92.83	3/4	434.63	3/4	776.02	3/4	1,103.93	3/4	1,444.54	3/4	1,785.87	3/4	2,127.20	3/4	2,468.53	3/4	2,809.82	3/4	3,151.14
5	99.93	5	441.74	5	783.13	5	1,110.78	5	1,451.65	5	1,792.98	5	2,134.31	5	2,475.64	5	2,816.93	5	3,158.23
1/4	107.05	1/4	448.85	1/4	790.13	1/4	1,117.77	1/4	1,458.76	1/4	1,800.09	1/4	2,141.42	1/4	2,482.75	1/4	2,824.04	1/4	3,165.31
1/2	114.17	1/2	455.96	1/2	797.12	1/2	1,124.77	1/2	1,465.87	1/2	1,807.20	1/2	2,148.53	1/2	2,489.86	1/2	2,831.15	1/2	3,172.40
3/4	121.28	3/4	463.08	3/4	804.12	3/4	1,131.76	3/4	1,472.98	3/4	1,814.31	3/4	2,155.65	3/4	2,496.97	3/4	2,838.26	3/4	3,179.49
6	128.40	6	470.19	6	811.12	6	1,138.76	6	1,480.09	6	1,821.42	6	2,162.76	6	2,504.08	6	2,845.37	6	3,186.58
1/4	135.52	1/4	477.30	1/4	817.96	1/4	1,145.87	1/4	1,487.20	1/4	1,828.53	1/4	2,169.87	1/4	2,511.19	1/4	2,852.48	1/4	3,193.67
1/2	142.65	1/2	484.41	1/2	824.81	1/2	1,152.98	1/2	1,494.31	1/2	1,835.65	1/2	2,176.98	1/2	2,518.30	1/2	2,859.59	1/2	3,200.76
3/4	149.77	3/4	491.52	3/4	831.65	3/4	1,160.09	3/4	1,501.42	3/4	1,842.76	3/4	2,184.09	3/4	2,525.41	3/4	2,866.70	3/4	3,207.85
7	156.89	7	498.64	7	838.50	7	1,167.20	7	1,508.54	7	1,849.87	7	2,191.20	7	2,532.52	7	2,873.81	7	3,214.94
1/4	164.02	1/4	505.75	1/4	845.30	1/4	1,174.31	1/4	1,515.65	1/4	1,856.98	1/4	2,198.31	1/4	2,539.63	1/4	2,880.92	1/4	3,222.03
1/2	171.14	1/2	512.86	1/2	852.11	1/2	1,181.42	1/2	1,522.76	1/2	1,864.09	1/2	2,205.42	1/2	2,546.74	1/2	2,888.03	1/2	3,229.11
3/4	178.27	3/4	519.97	3/4	858.92	3/4	1,188.54	3/4	1,529.87	3/4	1,871.20	3/4	2,212.53	3/4	2,553.85	3/4	2,895.14	3/4	3,236.20
8	185.39	8	527.09	8	865.72	8	1,195.65	8	1,536.98	8	1,878.31	8	2,219.65	8	2,560.96	8	2,902.25	8	3,243.29
1/4	192.51	1/4	534.20	1/4	872.52	1/4	1,202.76	1/4	1,544.09	1/4	1,885.42	1/4	2,226.76	1/4	2,568.07	1/4	2,909.37	1/4	3,250.38
1/2	199.64	1/2	541.31	1/2	879.32	1/2	1,209.87	1/2	1,551.20	1/2	1,892.53	1/2	2,233.87	1/2	2,575.18	1/2	2,916.48	1/2	3,257.47
3/4	206.76	3/4	548.42	3/4	886.13	3/4	1,216.98	3/4	1,558.31	3/4	1,899.65	3/4	2,240.98	3/4	2,582.29	3/4	2,923.60	3/4	3,264.56
9	213.89	9	555.54	9	892.93	9	1,224.09	9	1,565.42	9	1,906.76	9	2,248.09	9	2,589.40	9	2,930.71	9	3,271.65
1/4	221.01	1/4	562.65	1/4	899.73	1/4	1,231.20	1/4	1,572.54	1/4	1,913.87	1/4	2,255.20	1/4	2,596.51	1/4	2,937.84	1/4	3,278.74
1/2	228.13	1/2	569.76	1/2	906.53	1/2	1,238.31	1/2	1,579.65	1/2	1,920.98	1/2	2,262.31	1/2	2,603.62	1/2	2,944.96	1/2	3,285.83
3/4	235.26	3/4	576.87	3/4	913.33	3/4	1,245.42	3/4	1,586.76	3/4	1,928.09	3/4	2,269.42	3/4	2,610.73	3/4	2,952.08	3/4	3,292.92
10	242.38	10	583.99	10	920.13	10	1,252.54	10	1,593.87	10	1,935.20	10	2,276.53	10	2,617.84	10	2,959.20	10	3,300.01
1/4	249.51	1/4	591.10	1/4	926.94	1/4	1,259.65	1/4	1,600.98	1/4	1,942.31	1/4	2,283.65	1/4	2,624.95	1/4	2,966.32	1/4	3,307.10
1/2	256.63	1/2	598.21	1/2	933.74	1/2	1,266.76	1/2	1,608.09	1/2	1,949.42	1/2	2,290.76	1/2	2,632.06	1/2	2,973.44	1/2	3,314.19
3/4	263.75	3/4	605.32	3/4	940.54	3/4	1,273.87	3/4	1,615.20	3/4	1,956.53	3/4	2,297.87	3/4	2,639.17	3/4	2,980.57	3/4	3,321.28
11	270.88	11	612.44	11	947.34	11	1,280.98	11	1,622.31	11	1,963.65	11	2,304.98	11	2,646.28	11	2,987.69	11	3,328.37
1/4	278.00	1/4	619.55	1/4	954.14	1/4	1,288.09	1/4	1,629.42	1/4	1,970.76	1/4	2,312.09	1/4	2,653.39	1/4	2,994.81	1/4	3,334.08
1/2	285.13	1/2	626.66	1/2	960.95	1/2	1,295.20	1/2	1,636.53	1/2	1,977.87	1/2	2,319.20	1/2	2,660.50	1/2	3,001.93	1/2	3,339.79
3/4	292.25	3/4	633.77	3/4	967.75	3/4	1,302.31	3/4	1,643.65	3/4	1,984.98	3/4	2,326.31	3/4	2,667.61	3/4	3,009.05	3/4	3,345.50

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "MPX 423"

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	3,351.22	0	3,560.01	0	3,769.58	0	3,978.88	0	4,187.53	0	4,377.92	0		0		0		0	
1/4	3,355.55	1/4	3,564.38	1/4	3,773.95	1/4	3,983.23	1/4	4,191.88	1/4	4,379.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,359.88	1/2	3,568.75	1/2	3,778.31	1/2	3,987.58	1/2	4,196.23	1/2	4,381.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,364.21	3/4	3,573.11	3/4	3,782.68	3/4	3,991.92	3/4	4,200.57	3/4	4,383.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,368.54	1	3,577.48	1	3,787.05	1	3,996.27	1	4,204.92	1	4,384.74	1	1	1	1	1	1	1	1
1/4	3,372.89	1/4	3,581.84	1/4	3,791.41	1/4	4,000.62	1/4	4,209.27	1/4	4,386.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,377.23	1/2	3,586.21	1/2	3,795.78	1/2	4,004.96	1/2	4,213.61	1/2	4,388.15	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,381.57	3/4	3,590.58	3/4	3,800.14	3/4	4,009.31	3/4	4,217.96	3/4	4,389.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,385.91	2	3,594.94	2	3,804.51	2	4,013.66	2	4,222.31	2	4,391.56	2	2	2	2	2	2	2	2
1/4	3,390.26	1/4	3,599.31	1/4	3,808.88	1/4	4,018.00	1/4	4,226.66	1/4	4,392.64	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,394.61	1/2	3,603.67	1/2	3,813.24	1/2	4,022.35	1/2	4,231.00	1/2	4,393.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,398.96	3/4	3,608.04	3/4	3,817.61	3/4	4,026.70	3/4	4,235.35	3/4	4,394.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,403.31	3	3,612.41	3	3,821.97	3	4,031.05	3	4,239.70	3	4,395.86	3	3	3	3	3	3	3	3
1/4	3,407.66	1/4	3,616.77	1/4	3,826.34	1/4	4,035.39	1/4	4,244.04	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,412.01	1/2	3,621.14	1/2	3,830.71	1/2	4,039.74	1/2	4,248.39	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,416.36	3/4	3,625.50	3/4	3,835.07	3/4	4,044.09	3/4	4,252.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,420.71	4	3,629.87	4	3,839.44	4	4,048.43	4	4,257.08	4		4	4	4	4	4	4	4	4
1/4	3,425.06	1/4	3,634.24	1/4	3,843.80	1/4	4,052.78	1/4	4,261.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,429.41	1/2	3,638.60	1/2	3,848.17	1/2	4,057.13	1/2	4,265.75	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,433.76	3/4	3,642.97	3/4	3,852.54	3/4	4,061.47	3/4	4,270.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,438.11	5	3,647.33	5	3,856.90	5	4,065.82	5	4,274.42	5		5	5	5	5	5	5	5	5
1/4	3,442.46	1/4	3,651.70	1/4	3,861.27	1/4	4,070.17	1/4	4,278.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,446.81	1/2	3,656.07	1/2	3,865.63	1/2	4,074.51	1/2	4,283.06	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,451.16	3/4	3,660.43	3/4	3,870.00	3/4	4,078.86	3/4	4,287.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,455.51	6	3,664.80	6	3,874.37	6	4,083.21	6	4,291.70	6		6	6	6	6	6	6	6	6
1/4	3,459.86	1/4	3,669.16	1/4	3,878.73	1/4	4,087.55	1/4	4,296.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,464.21	1/2	3,673.53	1/2	3,883.10	1/2	4,091.90	1/2	4,300.33	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,468.56	3/4	3,677.90	3/4	3,887.46	3/4	4,096.25	3/4	4,304.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,472.91	7	3,682.26	7	3,891.83	7	4,100.60	7	4,308.97	7		7	7	7	7	7	7	7	7
1/4	3,477.26	1/4	3,686.63	1/4	3,896.20	1/4	4,104.94	1/4	4,313.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,481.61	1/2	3,690.99	1/2	3,900.56	1/2	4,109.29	1/2	4,317.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,485.96	3/4	3,695.36	3/4	3,904.93	3/4	4,113.64	3/4	4,321.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,490.31	8	3,699.73	8	3,909.29	8	4,117.98	8	4,326.21	8		8	8	8	8	8	8	8	8
1/4	3,494.66	1/4	3,704.09	1/4	3,913.65	1/4	4,122.33	1/4	4,330.49	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,499.01	1/2	3,708.46	1/2	3,918.01	1/2	4,126.68	1/2	4,334.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,503.36	3/4	3,712.82	3/4	3,922.36	3/4	4,131.02	3/4	4,339.04	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,507.71	9	3,717.19	9	3,926.72	9	4,135.37	9	4,343.32	9		9	9	9	9	9	9	9	9
1/4	3,512.06	1/4	3,721.56	1/4	3,931.07	1/4	4,139.72	1/4	4,347.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,516.41	1/2	3,725.92	1/2	3,935.41	1/2	4,144.06	1/2	4,351.00	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,520.76	3/4	3,730.29	3/4	3,939.76	3/4	4,148.41	3/4	4,354.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,525.12	10	3,734.65	10	3,944.11	10	4,152.76	10	4,358.68	10		10	10	10	10	10	10	10	10
1/4	3,529.47	1/4	3,739.02	1/4	3,948.45	1/4	4,157.11	1/4	4,361.52	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,533.83	1/2	3,743.39	1/2	3,952.80	1/2	4,161.45	1/2	4,364.35	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,538.19	3/4	3,747.75	3/4	3,957.15	3/4	4,165.80	3/4	4,367.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,542.55	11	3,752.12	11	3,961.49	11	4,170.15	11	4,370.02	11		11	11	11	11	11	11	11	11
1/4	3,546.92	1/4	3,756.48	1/4	3,965.84	1/4	4,174.49	1/4	4,372.00	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,551.28	1/2	3,760.85	1/2	3,970.19	1/2	4,178.84	1/2	4,373.97	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,555.65	3/4	3,765.22	3/4	3,974.54	3/4	4,183.19	3/4	4,375.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/28/2021 CL
CALCULATED: 07/29/2021 CL
PRINTED: 07/29/2021 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021



BARGE "MPX 423"

3 STBD

INNAGE 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	2.15	0	299.79	0	642.21	0	984.35	0	1,326.56	0	1,668.99	0	2,011.43	0	2,353.86	0	2,696.12	0	3,037.67
1/4	3.93	1/4	306.92	1/4	649.34	1/4	991.47	1/4	1,333.70	1/4	1,676.13	1/4	2,018.56	1/4	2,360.99	1/4	2,703.23	1/4	3,044.78
1/2	5.72	1/2	314.05	1/2	656.48	1/2	998.59	1/2	1,340.83	1/2	1,683.26	1/2	2,025.69	1/2	2,368.13	1/2	2,710.35	1/2	3,051.90
3/4	7.50	3/4	321.19	3/4	663.61	3/4	1,005.71	3/4	1,347.96	3/4	1,690.40	3/4	2,032.83	3/4	2,375.26	3/4	2,717.46	3/4	3,059.02
1	9.28	1	328.32	1	670.74	1	1,012.83	1	1,355.10	1	1,697.53	1	2,039.96	1	2,382.39	1	2,724.58	1	3,066.13
1/4	12.85	1/4	335.45	1/4	677.88	1/4	1,019.95	1/4	1,362.23	1/4	1,704.66	1/4	2,047.10	1/4	2,389.53	1/4	2,731.69	1/4	3,073.25
1/2	16.42	1/2	342.59	1/2	685.01	1/2	1,027.07	1/2	1,369.37	1/2	1,711.80	1/2	2,054.23	1/2	2,396.66	1/2	2,738.81	1/2	3,080.36
3/4	19.98	3/4	349.72	3/4	692.14	3/4	1,034.19	3/4	1,376.50	3/4	1,718.93	3/4	2,061.36	3/4	2,403.80	3/4	2,745.93	3/4	3,087.48
2	23.55	2	356.86	2	699.28	2	1,041.31	2	1,383.63	2	1,726.07	2	2,068.50	2	2,410.93	2	2,753.04	2	3,094.59
1/4	28.90	1/4	363.99	1/4	706.41	1/4	1,048.43	1/4	1,390.77	1/4	1,733.20	1/4	2,075.63	1/4	2,418.06	1/4	2,760.16	1/4	3,101.71
1/2	34.25	1/2	371.12	1/2	713.55	1/2	1,055.55	1/2	1,397.90	1/2	1,740.33	1/2	2,082.77	1/2	2,425.20	1/2	2,767.27	1/2	3,108.83
3/4	39.60	3/4	378.26	3/4	720.68	3/4	1,062.67	3/4	1,405.04	3/4	1,747.47	3/4	2,089.90	3/4	2,432.33	3/4	2,774.39	3/4	3,115.94
3	44.95	3	385.39	3	727.81	3	1,069.79	3	1,412.17	3	1,754.60	3	2,097.03	3	2,439.47	3	2,781.50	3	3,123.06
1/4	51.62	1/4	392.52	1/4	734.95	1/4	1,076.91	1/4	1,419.30	1/4	1,761.74	1/4	2,104.17	1/4	2,446.60	1/4	2,788.62	1/4	3,130.17
1/2	58.29	1/2	399.66	1/2	742.08	1/2	1,084.04	1/2	1,426.44	1/2	1,768.87	1/2	2,111.30	1/2	2,453.73	1/2	2,795.74	1/2	3,137.27
3/4	64.96	3/4	406.79	3/4	749.21	3/4	1,091.16	3/4	1,433.57	3/4	1,776.00	3/4	2,118.44	3/4	2,460.87	3/4	2,802.85	3/4	3,144.38
4	71.62	4	413.93	4	756.35	4	1,098.29	4	1,440.71	4	1,783.14	4	2,125.57	4	2,468.00	4	2,809.97	4	3,151.49
1/4	78.74	1/4	421.06	1/4	763.48	1/4	1,105.42	1/4	1,447.84	1/4	1,790.27	1/4	2,132.70	1/4	2,475.14	1/4	2,817.08	1/4	3,158.59
1/2	85.85	1/2	428.19	1/2	770.62	1/2	1,112.55	1/2	1,454.97	1/2	1,797.41	1/2	2,139.84	1/2	2,482.27	1/2	2,824.20	1/2	3,165.69
3/4	92.96	3/4	435.33	3/4	777.75	3/4	1,119.68	3/4	1,462.11	3/4	1,804.54	3/4	2,146.97	3/4	2,489.40	3/4	2,831.31	3/4	3,172.78
5	100.07	5	442.46	5	784.88	5	1,126.81	5	1,469.24	5	1,811.67	5	2,154.11	5	2,496.54	5	2,838.43	5	3,179.88
1/4	107.19	1/4	449.60	1/4	792.02	1/4	1,133.94	1/4	1,476.38	1/4	1,818.81	1/4	2,161.24	1/4	2,503.67	1/4	2,845.55	1/4	3,186.98
1/2	114.32	1/2	456.73	1/2	799.15	1/2	1,141.08	1/2	1,483.51	1/2	1,825.94	1/2	2,168.37	1/2	2,510.80	1/2	2,852.66	1/2	3,194.08
3/4	121.45	3/4	463.86	3/4	806.29	3/4	1,148.21	3/4	1,490.64	3/4	1,833.08	3/4	2,175.51	3/4	2,517.94	3/4	2,859.78	3/4	3,201.18
6	128.58	6	471.00	6	813.42	6	1,155.35	6	1,497.78	6	1,840.21	6	2,182.64	6	2,525.07	6	2,866.89	6	3,208.28
1/4	135.71	1/4	478.13	1/4	820.55	1/4	1,162.48	1/4	1,504.91	1/4	1,847.34	1/4	2,189.78	1/4	2,532.21	1/4	2,874.01	1/4	3,215.38
1/2	142.84	1/2	485.26	1/2	827.68	1/2	1,169.61	1/2	1,512.05	1/2	1,854.48	1/2	2,196.91	1/2	2,539.34	1/2	2,881.12	1/2	3,222.47
3/4	149.98	3/4	492.40	3/4	834.81	3/4	1,176.75	3/4	1,519.18	3/4	1,861.61	3/4	2,204.04	3/4	2,546.48	3/4	2,888.24	3/4	3,229.57
7	157.11	7	499.53	7	841.94	7	1,183.88	7	1,526.31	7	1,868.75	7	2,211.18	7	2,553.61	7	2,895.36	7	3,236.67
1/4	164.24	1/4	506.67	1/4	849.06	1/4	1,191.02	1/4	1,533.45	1/4	1,875.88	1/4	2,218.31	1/4	2,560.75	1/4	2,902.47	1/4	3,243.77
1/2	171.38	1/2	513.80	1/2	856.19	1/2	1,198.15	1/2	1,540.58	1/2	1,883.01	1/2	2,225.45	1/2	2,567.88	1/2	2,909.59	1/2	3,250.87
3/4	178.51	3/4	520.93	3/4	863.31	3/4	1,205.28	3/4	1,547.72	3/4	1,890.15	3/4	2,232.58	3/4	2,575.01	3/4	2,916.70	3/4	3,257.97
8	185.64	8	528.07	8	870.43	8	1,212.42	8	1,554.85	8	1,897.28	8	2,239.71	8	2,582.15	8	2,923.82	8	3,265.06
1/4	192.78	1/4	535.20	1/4	877.55	1/4	1,219.55	1/4	1,561.98	1/4	1,904.42	1/4	2,246.85	1/4	2,589.28	1/4	2,930.93	1/4	3,272.16
1/2	199.91	1/2	542.33	1/2	884.67	1/2	1,226.69	1/2	1,569.12	1/2	1,911.55	1/2	2,253.98	1/2	2,596.42	1/2	2,938.05	1/2	3,279.26
3/4	207.05	3/4	549.47	3/4	891.79	3/4	1,233.82	3/4	1,576.25	3/4	1,918.68	3/4	2,261.12	3/4	2,603.55	3/4	2,945.16	3/4	3,286.36
9	214.18	9	556.60	9	898.91	9	1,240.95	9	1,583.39	9	1,925.82	9	2,268.25	9	2,610.69	9	2,952.28	9	3,293.46
1/4	221.31	1/4	563.74	1/4	906.03	1/4	1,248.09	1/4	1,590.52	1/4	1,932.95	1/4	2,275.38	1/4	2,617.81	1/4	2,959.40	1/4	3,300.56
1/2	228.45	1/2	570.87	1/2	913.15	1/2	1,255.22	1/2	1,597.65	1/2	1,940.09	1/2	2,282.52	1/2	2,624.94	1/2	2,966.51	1/2	3,307.65
3/4	235.58	3/4	578.00	3/4	920.27	3/4	1,262.36	3/4	1,604.79	3/4	1,947.22	3/4	2,289.65	3/4	2,632.06	3/4	2,973.63	3/4	3,314.75
10	242.72	10	585.14	10	927.39	10	1,269.49	10	1,611.92	10	1,954.35	10	2,296.79	10	2,639.19	10	2,980.74	10	3,321.85
1/4	249.85	1/4	592.27	1/4	934.51	1/4	1,276.62	1/4	1,619.06	1/4	1,961.49	1/4	2,303.92	1/4	2,646.31	1/4	2,987.86	1/4	3,328.95
1/2	256.98	1/2	599.41	1/2	941.63	1/2	1,283.76	1/2	1,626.19	1/2	1,968.62	1/2	2,311.05	1/2	2,653.42	1/2	2,994.97	1/2	3,336.05
3/4	264.12	3/4	606.54	3/4	948.75	3/4	1,290.89	3/4	1,633.32	3/4	1,975.76	3/4	2,318.19	3/4	2,660.54	3/4	3,002.09	3/4	3,343.15
11	271.25	11	613.67	11	955.87	11	1,298.03	11	1,640.46	11	1,982.89	11	2,325.32	11	2,667.65	11	3,009.21	11	3,350.24
1/4	278.38	1/4	620.81	1/4	962.99	1/4	1,305.16	1/4	1,647.59	1/4	1,990.02	1/4	2,332.46	1/4	2,674.77	1/4	3,016.32	1/4	3,357.34
1/2	285.52	1/2	627.94	1/2	970.11	1/2	1,312.29	1/2	1,654.73	1/2	1,997.16	1/2	2,339.59	1/2	2,681.88	1/2	3,023.44	1/2	3,364.44
3/4	292.65	3/4	635.07	3/4	977.23	3/4	1,319.43	3/4	1,661.86	3/4	2,004.29	3/4	2,346.72	3/4	2,689.00	3/4	3,030.55	3/4	3,371.54

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MPX 423"

**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	3,373.12	0	3,582.92	0	3,792.93	0	4,002.67	0	4,211.76	0	4,402.55	0		0		0		0	
1/4	3,377.46	1/4	3,587.29	1/4	3,797.30	1/4	4,007.02	1/4	4,216.11	1/4	4,404.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,381.80	1/2	3,591.67	1/2	3,801.68	1/2	4,011.38	1/2	4,220.47	1/2	4,405.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,386.14	3/4	3,596.04	3/4	3,806.05	3/4	4,015.73	3/4	4,224.83	3/4	4,407.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,390.48	1	3,600.42	1	3,810.43	1	4,020.09	1	4,229.18	1	4,409.39	1	1	1	1	1	1	1	1
1/4	3,394.84	1/4	3,604.79	1/4	3,814.80	1/4	4,024.45	1/4	4,233.54	1/4	4,411.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,399.19	1/2	3,609.17	1/2	3,819.18	1/2	4,028.80	1/2	4,237.89	1/2	4,412.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,403.55	3/4	3,613.54	3/4	3,823.55	3/4	4,033.16	3/4	4,242.25	3/4	4,414.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,407.91	2	3,617.92	2	3,827.93	2	4,037.51	2	4,246.61	2	4,416.22	2	2	2	2	2	2	2	2
1/4	3,412.28	1/4	3,622.29	1/4	3,832.30	1/4	4,041.87	1/4	4,250.96	1/4	4,417.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,416.66	1/2	3,626.67	1/2	3,836.68	1/2	4,046.23	1/2	4,255.32	1/2	4,418.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,421.03	3/4	3,631.04	3/4	3,841.05	3/4	4,050.58	3/4	4,259.67	3/4	4,419.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,425.41	3	3,635.42	3	3,845.43	3	4,054.94	3	4,264.03	3	4,420.53	3	3	3	3	3	3	3	3
1/4	3,429.79	1/4	3,639.79	1/4	3,849.80	1/4	4,059.29	1/4	4,268.39	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,434.16	1/2	3,644.17	1/2	3,854.18	1/2	4,063.65	1/2	4,272.74	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,438.54	3/4	3,648.55	3/4	3,858.55	3/4	4,068.01	3/4	4,277.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,442.91	4	3,652.92	4	3,862.93	4	4,072.36	4	4,281.46	4	4	4	4	4	4	4	4	4	4
1/4	3,447.29	1/4	3,657.30	1/4	3,867.31	1/4	4,076.72	1/4	4,285.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,451.66	1/2	3,661.67	1/2	3,871.68	1/2	4,081.07	1/2	4,290.14	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,456.04	3/4	3,666.05	3/4	3,876.06	3/4	4,085.43	3/4	4,294.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,460.41	5	3,670.42	5	3,880.43	5	4,089.79	5	4,298.82	5	5	5	5	5	5	5	5	5	5
1/4	3,464.79	1/4	3,674.80	1/4	3,884.81	1/4	4,094.14	1/4	4,303.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,469.16	1/2	3,679.17	1/2	3,889.18	1/2	4,098.50	1/2	4,307.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,473.54	3/4	3,683.55	3/4	3,893.56	3/4	4,102.86	3/4	4,311.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,477.91	6	3,687.92	6	3,897.93	6	4,107.21	6	4,316.14	6	6	6	6	6	6	6	6	6	6
1/4	3,482.29	1/4	3,692.30	1/4	3,902.31	1/4	4,111.57	1/4	4,320.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,486.66	1/2	3,696.67	1/2	3,906.68	1/2	4,115.92	1/2	4,324.79	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,491.04	3/4	3,701.05	3/4	3,911.06	3/4	4,120.28	3/4	4,329.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,495.41	7	3,705.42	7	3,915.43	7	4,124.64	7	4,333.45	7	7	7	7	7	7	7	7	7	7
1/4	3,499.79	1/4	3,709.80	1/4	3,919.81	1/4	4,128.99	1/4	4,337.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,504.16	1/2	3,714.17	1/2	3,924.18	1/2	4,133.35	1/2	4,342.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,508.54	3/4	3,718.55	3/4	3,928.56	3/4	4,137.70	3/4	4,346.40	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,512.91	8	3,722.92	8	3,932.93	8	4,142.06	8	4,350.72	8	8	8	8	8	8	8	8	8	8
1/4	3,517.29	1/4	3,727.30	1/4	3,937.30	1/4	4,146.42	1/4	4,355.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,521.66	1/2	3,731.67	1/2	3,941.66	1/2	4,150.77	1/2	4,359.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,526.04	3/4	3,736.05	3/4	3,946.03	3/4	4,155.13	3/4	4,363.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,530.41	9	3,740.42	9	3,950.39	9	4,159.48	9	4,367.87	9	9	9	9	9	9	9	9	9	9
1/4	3,534.79	1/4	3,744.80	1/4	3,954.75	1/4	4,163.84	1/4	4,371.72	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,539.17	1/2	3,749.17	1/2	3,959.10	1/2	4,168.20	1/2	4,375.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,543.54	3/4	3,753.55	3/4	3,963.46	3/4	4,172.55	3/4	4,379.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,547.92	10	3,757.93	10	3,967.82	10	4,176.91	10	4,383.27	10	10	10	10	10	10	10	10	10	10
1/4	3,552.29	1/4	3,762.30	1/4	3,972.17	1/4	4,181.27	1/4	4,386.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,556.67	1/2	3,766.68	1/2	3,976.53	1/2	4,185.62	1/2	4,388.95	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,561.04	3/4	3,771.05	3/4	3,980.88	3/4	4,189.98	3/4	4,391.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,565.42	11	3,775.43	11	3,985.24	11	4,194.33	11	4,394.64	11	11	11	11	11	11	11	11	11	11
1/4	3,569.79	1/4	3,779.80	1/4	3,989.60	1/4	4,198.69	1/4	4,396.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,574.17	1/2	3,784.18	1/2	3,993.95	1/2	4,203.05	1/2	4,398.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,578.54	3/4	3,788.55	3/4	3,998.31	3/4	4,207.40	3/4	4,400.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/28/2021 CL
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