



BARGE "MPC 303"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 134'-00"

July 26, 2014

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
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BARGE "MPC 303"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												FORMERLY "HFL 303"												GAUGE HEIGHT 15'-10"											
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.																	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
1/4	157,424	1/4	157,424	1/4	157,424	1/4	146,138	1/4	146,138	1/4	134,800	1/4	123,447	1/4	112,046	1/4	100,646	1/4	89,245	1/4	77,839	1/4	66,438	1/4	55,037	1/4	43,636	1/4	32,235	1/4	20,834	1/4	9,433		
1/2	157,190	1/2	157,190	1/2	145,902	1/2	145,902	1/2	134,564	1/2	123,209	1/2	111,809	1/2	100,408	1/2	89,008	1/2	77,607	1/2	66,206	1/2	54,805	1/2	43,404	1/2	32,003	1/2	20,602	1/2	9,201	1/2	7,800		
3/4	156,956	3/4	156,956	3/4	145,666	3/4	145,666	3/4	134,328	3/4	122,972	3/4	111,571	3/4	100,171	3/4	88,770	3/4	77,369	3/4	65,968	3/4	54,567	3/4	43,166	3/4	31,765	3/4	20,364	3/4	8,963	3/4	7,562		
1	156,722	1	156,722	1	145,429	1	145,429	1	134,092	1	122,734	1	111,334	1	99,933	1	88,533	1	77,132	1	65,731	1	54,330	1	42,929	1	31,528	1	20,127	1	8,726	1	7,325		
1/4	156,488	1/4	156,488	1/4	145,193	1/4	145,193	1/4	133,855	1/4	122,497	1/4	111,096	1/4	99,696	1/4	88,295	1/4	76,894	1/4	65,493	1/4	54,092	1/4	42,691	1/4	31,290	1/4	19,889	1/4	7,538	1/4	6,137		
1/2	156,254	1/2	156,254	1/2	144,957	1/2	144,957	1/2	133,619	1/2	122,261	1/2	110,859	1/2	99,458	1/2	88,058	1/2	76,651	1/2	65,256	1/2	53,855	1/2	42,454	1/2	31,053	1/2	19,652	1/2	8,251	1/2	6,850		
3/4	156,020	3/4	156,020	3/4	144,721	3/4	144,721	3/4	133,383	3/4	122,022	3/4	110,621	3/4	99,221	3/4	87,820	3/4	76,419	3/4	65,018	3/4	53,617	3/4	42,216	3/4	30,815	3/4	19,414	3/4	8,013	3/4	6,612		
2	155,785	2	155,785	2	144,485	2	144,485	2	133,147	2	121,784	2	110,384	2	98,983	2	87,583	2	76,182	2	64,781	2	53,380	2	41,979	2	30,578	2	19,177	2	7,776	2	6,375		
1/4	155,551	1/4	155,551	1/4	144,248	1/4	144,248	1/4	132,911	1/4	121,547	1/4	110,146	1/4	98,746	1/4	87,345	1/4	75,944	1/4	64,543	1/4	53,142	1/4	41,741	1/4	30,340	1/4	18,939	1/4	7,538	1/4	6,137		
1/2	155,316	1/2	155,316	1/2	144,012	1/2	144,012	1/2	132,674	1/2	121,309	1/2	109,909	1/2	98,508	1/2	87,107	1/2	75,706	1/2	64,305	1/2	52,904	1/2	41,503	1/2	30,102	1/2	18,737	1/2	7,336	1/2	5,935		
3/4	155,082	3/4	155,082	3/4	143,776	3/4	143,776	3/4	132,438	3/4	121,072	3/4	109,671	3/4	98,271	3/4	86,869	3/4	75,468	3/4	64,067	3/4	52,666	3/4	41,265	3/4	29,900	3/4	18,530	3/4	7,130	3/4	5,729		
3	154,848	3	154,848	3	143,540	3	143,540	3	132,202	3	120,834	3	109,434	3	98,033	3	86,632	3	75,231	3	63,830	3	52,429	3	41,028	3	29,627	3	18,226	3	6,925	3	5,524		
1/4	154,613	1/4	154,613	1/4	143,304	1/4	143,304	1/4	131,966	1/4	120,597	1/4	109,196	1/4	97,796	1/4	86,394	1/4	74,993	1/4	63,592	1/4	52,191	1/4	40,790	1/4	29,389	1/4	17,924	1/4	6,718	1/4	5,317		
1/2	154,379	1/2	154,379	1/2	143,067	1/2	143,067	1/2	131,730	1/2	120,359	1/2	108,959	1/2	97,558	1/2	86,156	1/2	74,755	1/2	63,354	1/2	51,952	1/2	40,587	1/2	29,182	1/2	17,711	1/2	6,516	1/2	5,115		
3/4	154,144	3/4	154,144	3/4	142,831	3/4	142,831	3/4	131,493	3/4	120,122	3/4	108,721	3/4	97,321	3/4	85,919	3/4	74,518	3/4	63,117	3/4	51,750	3/4	40,375	3/4	28,969	3/4	17,462	3/4	6,220	3/4	4,819		
4	153,910	4	153,910	4	142,595	4	142,595	4	131,257	4	119,884	4	108,484	4	97,083	4	85,681	4	74,279	4	62,878	4	51,477	4	40,076	4	28,776	4	17,212	4	6,014	4	4,613		
1/4	153,675	1/4	153,675	1/4	142,359	1/4	142,359	1/4	131,021	1/4	119,647	1/4	108,246	1/4	96,846	1/4	85,444	1/4	74,043	1/4	62,642	1/4	51,241	1/4	39,840	1/4	28,539	1/4	17,000	1/4	5,812	1/4	4,411		
1/2	153,441	1/2	153,441	1/2	142,123	1/2	142,123	1/2	130,785	1/2	119,409	1/2	108,009	1/2	96,608	1/2	85,206	1/2	73,805	1/2	62,404	1/2	50,999	1/2	39,598	1/2	28,336	1/2	16,757	1/2	5,600	1/2	4,200		
3/4	153,207	3/4	153,207	3/4	141,886	3/4	141,886	3/4	130,548	3/4	119,172	3/4	107,771	3/4	96,371	3/4	84,968	3/4	73,561	3/4	62,167	3/4	50,766	3/4	39,435	3/4	28,100	3/4	16,516	3/4	5,050	3/4	3,649		
5	152,972	5	152,972	5	141,650	5	141,650	5	130,312	5	118,934	5	107,534	5	96,133	5	84,731	5	73,324	5	61,928	5	50,527	5	39,126	5	27,725	5	16,274	5	5,000	5	3,245		
1/4	152,738	1/4	152,738	1/4	141,414	1/4	141,414	1/4	130,076	1/4	118,696	1/4	107,296	1/4	95,896	1/4	84,493	1/4	73,092	1/4	61,691	1/4	50,290	1/4	38,889	1/4	27,482	1/4	16,028	1/4	4,646	1/4	3,245		
1/2	152,503	1/2	152,503	1/2	141,178	1/2	141,178	1/2	129,840	1/2	118,459	1/2	107,059	1/2	95,658	1/2	84,255	1/2	72,852	1/2	61,450	1/2	50,048	1/2	38,646	1/2	27,237	1/2	15,783	1/2	4,444	1/2	3,043		
3/4	152,269	3/4	152,269	3/4	140,942	3/4	140,942	3/4	129,604	3/4	118,221	3/4	106,821	3/4	95,421	3/4	84,018	3/4	72,615	3/4	61,214	3/4	49,845	3/4	38,433	3/4	27,020	3/4	15,538	3/4	4,197	3/4	2,796		
6	152,034	6	152,034	6	140,705	6	140,705	6	129,367	6	117,984	6	106,584	6	95,183	6	83,780	6	72,377	6	60,976	6	49,575	6	38,174	6	26,773	6	15,291	6	4,000	6	2,599		
1/4	151,800	1/4	151,800	1/4	140,469	1/4	140,469	1/4	129,131	1/4	117,746	1/4	106,346	1/4	94,946	1/4	83,542	1/4	72,139	1/4	60,738	1/4	49,337	1/4	37,936	1/4	26,528	1/4	15,044	1/4	3,902	1/4	2,499		
1/2	151,565	1/2	151,565	1/2	140,233	1/2	140,233	1/2	128,896	1/2	117,509	1/2	106,108	1/2	94,708	1/2	83,305	1/2	71,902	1/2	60,535	1/2	49,135	1/2	37,732	1/2	26,283	1/2	14,797	1/2	3,755	1/2	2,354		
3/4	151,331	3/4	151,331	3/4	139,997	3/4	139,997	3/4	128,659	3/4	117,271	3/4	105,871	3/4	94,471	3/4	83,067	3/4	71,664	3/4	60,291	3/4	48,891	3/4	37,488	3/4	26,039	3/4	14,550	3/4	3,607	3/4	2,203		
7	151,097	7	151,097	7	139,760	7	139,760	7	128,423	7	117,034	7	105,633	7	94,233	7	82,829	7	71,426	7	60,023	7	48,624	7	37,244	7	25,794	7	14,304	7	3,460	7	2,057		
1/4	150,861	1/4	150,861	1/4	139,524	1/4	139,524	1/4	128,186	1/4	116,796	1/4	105,396	1/4	93,995	1/4	82,592	1/4	71,185	1/4	59,786	1/4	48,383	1/4	37,032	1/4	25,550	1/4	14,057	1/4	3,314	1/4	1,911		
1/2	150,625	1/2	150,625	1/2	139,288	1/2	139,288	1/2	127,950	1/2	116,559	1/2	105,158	1/2	93,758	1/2	82,354	1/2	70,947	1/2	59,580	1/2	48,178	1/2	36,788	1/2	25,306	1/2	13,812	1/2	3,167	1/2	1,766		
3/4	150,389	3/4	150,389	3/4	139,052	3/4	139,052	3/4	127,714	3/4	116,321	3/4	104,921	3/4	93,520	3/4	82,116	3/4	70,709	3/4	59,371	3/4	47,967	3/4	36,544	3/4	25,063	3/4	13,565	3/4	3,020	3/4	1,620		
8	150,154	8	150,154	8	138,816	8	138,816	8	127,478	8	116,084	8	104,683	8	93,283	8	81,879	8	70,472	8	59,070	8	47,668	8	36,300	8	24,810	8	13,318	<					

BARGE "MPC 303"

1 PORT

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 303"

GALLIE HEIGHT 45' 10"

GRAVE HEIGHT 15'-10"																			
10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	66,669	0	55,262	0	43,855	0	32,500	0	21,135	0	9,729	0	0	0	0	0	0	0	0
1/4	66,432	1/4	55,025	1/4	43,618	1/4	32,264	1/4	20,898	1/4	9,492	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,194	1/2	54,787	1/2	43,380	1/2	32,029	1/2	20,661	1/2	9,254	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,957	3/4	54,550	3/4	43,143	3/4	31,793	3/4	20,423	3/4	9,016	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	65,719	1	54,312	1	42,905	1	31,558	1	20,185	1	8,779	1	1	1	1	1	1	1	1
1/4	65,481	1/4	54,074	1/4	42,667	1/4	31,322	1/4	19,948	1/4	8,541	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,244	1/2	53,837	1/2	42,430	1/2	31,087	1/2	19,710	1/2	8,304	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,006	3/4	53,599	3/4	42,192	3/4	30,851	3/4	19,473	3/4	8,066	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	64,768	2	53,361	2	41,954	2	30,616	2	19,235	2	7,828	2	2	2	2	2	2	2	2
1/4	64,531	1/4	53,124	1/4	41,717	1/4	30,380	1/4	18,997	1/4	7,591	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,293	1/2	52,886	1/2	41,479	1/2	30,145	1/2	18,760	1/2	7,353	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,055	3/4	52,648	3/4	41,241	3/4	29,909	3/4	18,522	3/4	7,115	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	63,818	3	52,411	3	41,004	3	29,674	3	18,284	3	6,878	3	3	3	3	3	3	3	3
1/4	63,580	1/4	52,173	1/4	40,766	1/4	29,438	1/4	18,047	1/4	6,640	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,342	1/2	51,935	1/2	40,528	1/2	29,203	1/2	17,809	1/2	6,403	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,105	3/4	51,698	3/4	40,291	3/4	28,967	3/4	17,571	3/4	6,165	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	62,867	4	51,460	4	40,053	4	28,732	4	17,334	4	5,928	4	4	4	4	4	4	4	4
1/4	62,630	1/4	51,222	1/4	39,816	1/4	28,495	1/4	17,096	1/4	5,690	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,392	1/2	50,985	1/2	39,580	1/2	28,259	1/2	16,858	1/2	5,453	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,154	3/4	50,747	3/4	39,343	3/4	28,023	3/4	16,621	3/4	5,216	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	61,917	5	50,510	5	39,106	5	27,786	5	16,383	5	4,979	5	5	5	5	5	5	5	5
1/4	61,679	1/4	50,272	1/4	38,870	1/4	27,549	1/4	16,146	1/4	4,742	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,441	1/2	50,034	1/2	38,633	1/2	27,312	1/2	15,908	1/2	4,505	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,204	3/4	49,797	3/4	38,397	3/4	27,075	3/4	15,670	3/4	4,268	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	60,966	6	49,559	6	38,161	6	26,839	6	15,433	6	4,031	6	6	6	6	6	6	6	6
1/4	60,728	1/4	49,321	1/4	37,924	1/4	26,601	1/4	15,195	1/4	3,795	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,491	1/2	49,084	1/2	37,688	1/2	26,364	1/2	14,957	1/2	3,559	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,253	3/4	48,846	3/4	37,451	3/4	26,126	3/4	14,720	3/4	3,323	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	60,015	7	48,608	7	37,215	7	25,889	7	14,482	7	3,087	7	7	7	7	7	7	7	7
1/4	59,778	1/4	48,371	1/4	36,979	1/4	25,651	1/4	14,244	1/4	2,852	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,540	1/2	48,133	1/2	36,742	1/2	25,413	1/2	14,007	1/2	2,617	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,302	3/4	47,895	3/4	36,506	3/4	25,176	3/4	13,769	3/4	2,382	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	59,065	8	47,658	8	36,269	8	24,938	8	13,532	8	2,147	8	8	8	8	8	8	8	8
1/4	58,827	1/4	47,420	1/4	36,034	1/4	24,701	1/4	13,294	1/4	1,932	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,590	1/2	47,183	1/2	35,798	1/2	24,463	1/2	13,056	1/2	1,718	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,352	3/4	46,945	3/4	35,562	3/4	24,225	3/4	12,819	3/4	1,503	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	58,114	9	46,707	9	35,326	9	23,988	9	12,581	9	1,289	9	9	9	9	9	9	9	9
1/4	57,877	1/4	46,470	1/4	35,090	1/4	23,750	1/4	12,343	1/4	1,125	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,639	1/2	46,232	1/2	34,855	1/2	23,512	1/2	12,106	1/2	962	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,401	3/4	45,994	3/4	34,619	3/4	23,275	3/4	11,868	3/4	799	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	57,164	10	45,757	10	34,384	10	23,037	10	11,630	10	635	10	10	10	10	10	10	10	10
1/4	56,926	1/4	45,519	1/4	34,148	1/4	22,799	1/4	11,393	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,688	1/2	45,281	1/2	33,913	1/2	22,562	1/2	11,155	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,451	3/4	45,044	3/4	33,677	3/4	22,324	3/4	10,918	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	56,213	11	44,806	11	33,442	11	22,087	11	10,680	11	=====	11	11	11	11	11	11	11	11
1/4	55,975	1/4	44,568	1/4	33,206	1/4	21,849	1/4	10,442	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,738	1/2	44,331	1/2	32,971	1/2	21,611	1/2	10,205	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,500	3/4	44,093	3/4	32,735	3/4	21,374	3/4	9,967	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: 04/02/2009 CL - SW
CALCULATED: 04/03/2009 CL
REPRINTED: 07/26/2014 CL

**CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014**

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092

Pearland, Texas 77588

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[Signature]



BARGE "MPC 303"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												FORMERLY "HPL 303"												GAUGE HEIGHT "15'-10"											
0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.								
IN	1/4	1/2	IN	1/4	1/2	IN	1/4	1/2	IN	1/4	1/2	IN	1/4	1/2	IN	1/4	1/2	IN	1/4	1/2	IN	1/4	1/2	IN	1/4	1/2	IN	1/4	1/2						
0			0			0			0			0			0			0			0			0			0								
1/4			157,500	1/4		157,500	1/4		146,213	1/4		135,112	1/4		123,760	1/4		112,359	1/4		100,959	1/4		89,558	1/4		78,152	1/4							
1/2			157,266	1/2		157,266	1/2		145,977	1/2		134,639	1/2		123,285	1/2		111,884	1/2		100,484	1/2		89,083	1/2		77,677	1/2							
3/4			157,032	3/4		157,032	3/4		145,741	3/4		134,403	3/4		123,047	3/4		111,647	3/4		100,246	3/4		88,846	3/4		77,439	3/4							
1			156,798	1		156,798	1		145,505	1		134,167	1		122,810	1		111,409	1		100,009	1		88,608	1		77,201	1							
1/4			156,563	1/4		156,563	1/4		145,269	1/4		133,931	1/4		122,572	1/4		111,172	1/4		99,771	1/4		88,371	1/4		76,964	1/4							
1/2			156,329	1/2		156,329	1/2		145,032	1/2		133,695	1/2		122,335	1/2		110,934	1/2		99,534	1/2		88,133	1/2		76,726	1/2							
3/4			156,095	3/4		156,095	3/4		144,796	3/4		133,458	3/4		122,097	3/4		110,697	3/4		99,296	3/4		87,895	3/4		76,488	3/4							
2			155,861	2		155,861	2		144,560	2		133,222	2		121,860	2		110,459	2		99,059	2		87,658	2		76,251	2							
1/4			155,626	1/4		155,626	1/4		144,324	1/4		132,986	1/4		121,622	1/4		110,222	1/4		98,821	1/4		87,420	1/4		76,013	1/4							
1/2			155,392	1/2		155,392	1/2		144,088	1/2		132,750	1/2		121,385	1/2		109,984	1/2		98,584	1/2		87,182	1/2		75,775	1/2							
3/4			155,157	3/4		155,157	3/4		143,851	3/4		132,514	3/4		121,147	3/4		109,747	3/4		98,346	3/4		86,945	3/4		75,538	3/4							
3			154,923	3		154,923	3		143,615	3		132,277	3		120,909	3		109,509	3		98,109	3		86,707	3		75,300	3							
1/4			154,689	1/4		154,689	1/4		143,379	1/4		132,041	1/4		120,672	1/4		109,272	1/4		97,871	1/4		86,470	1/4		75,063	1/4							
1/2			154,454	1/2		154,454	1/2		143,143	1/2		131,805	1/2		120,434	1/2		109,034	1/2		97,634	1/2		86,232	1/2		74,825	1/2							
3/4			154,220	3/4		154,220	3/4		142,907	3/4		131,569	3/4		120,197	3/4		108,797	3/4		97,396	3/4		85,994	3/4		74,587	3/4							
4			153,985	4		153,985	4		142,670	4		131,333	4		119,959	4		108,559	4		97,159	4		85,757	4		74,350	4							
1/4			153,751	1/4		153,751	1/4		142,434	1/4		131,096	1/4		119,722	1/4		108,321	1/4		96,921	1/4		85,519	1/4		74,112	1/4							
1/2			153,516	1/2		153,516	1/2		142,198	1/2		130,850	1/2		119,484	1/2		108,084	1/2		96,684	1/2		85,281	1/2		73,874	1/2							
3/4			153,282	3/4		153,282	3/4		141,962	3/4		130,624	3/4		119,247	3/4		107,846	3/4		96,446	3/4		85,044	3/4		73,637	3/4							
5			153,048	5		153,048	5		141,726	5		130,388	5		119,009	5		107,609	5		96,208	5		84,806	5		73,399	5							
1/4			152,813	1/4		152,813	1/4		141,489	1/4		130,151	1/4		118,772	1/4		107,371	1/4		96,971	1/4		84,568	1/4		73,161	1/4							
1/2			152,579	1/2		152,579	1/2		141,253	1/2		129,915	1/2		118,534	1/2		107,134	1/2		96,733	1/2		84,331	1/2		72,924	1/2							
3/4			152,344	3/4		152,344	3/4		141,017	3/4		129,679	3/4		118,297	3/4		106,896	3/4		96,496	3/4		84,093	3/4		72,686	3/4							
6			152,110	6		152,110	6		140,781	6		129,443	6		118,059	6		106,659	6		96,258	6		83,855	6		72,448	6							
1/4			151,875	1/4		151,875	1/4		140,545	1/4		129,207	1/4		117,822	1/4		106,421	1/4		96,021	1/4		83,618	1/4		72,211	1/4							
1/2			151,641	1/2		151,641	1/2		140,308	1/2		128,970	1/2		117,584	1/2		106,184	1/2		95,783	1/2		83,380	1/2		71,973	1/2							
3/4			151,406	3/4		151,406	3/4		140,072	3/4		128,734	3/4		117,347	3/4		105,946	3/4		95,546	3/4		83,142	3/4		71,735	3/4							
7			151,172	7		151,172	7		139,836	7		128,498	7		117,109	7		105,709	7		95,308	7		82,905	7		71,498	7							
1/4			150,936	1/4		150,936	1/4		139,600	1/4		128,262	1/4		116,872	1/4		105,471	1/4		94,071	1/4		82,667	1/4		71,260	1/4							
1/2			150,700	1/2		150,700	1/2		139,363	1/2		128,026	1/2		116,634	1/2		105,234	1/2		93,833	1/2		82,430	1/2		71,023	1/2							
3/4			150,465	3/4		150,465	3/4		139,127	3/4		127,789	3/4		116,397	3/4		104,996	3/4		93,596	3/4		82,192	3/4		70,785	3/4							
8			150,229	8		150,229	8		138,891	8		127,553	8		116,159	8		104,759	8		93,358	8		81,954	8		70,547	8							
1/4			150,000	1/4		150,000	1/4		138,655	1/4		127,317	1/4		115,922	1/4		104,521	1/4		93,121	1/4		81,717	1/4		70,310	1/4							
1/2			149,765	1/2		149,765	1/2		138,419	1/2		127,081	1/2		115,684	1/2		104,284	1/2		92,883	1/2		81,479	1/2		70,072	1/2							
3/4			149,529	3/4		149,529	3/4		138,182	3/4		126,845	3/4		115,447	3/4		104,046	3/4		92,646	3/4		81,241	3/4		69,834	3/4							
9			149,284	9		149,284	9		137,946	9		126,608	9		115,209	9		103,809	9		92,408	9		81,004	9		69,597	9							
1/4			149,048	1/4		149,048	1/4		137,710	1/4		126,371	1/4		114,972	1/4		103,571	1/4		92,171	1/4		80,766	1/4		69,359	1/4							
1/2			148,812	1/2		148,812	1/2		137,474	1/2		126,134	1/2		114,734	1/2		103,334	1/2		91,933	1/2		80,528	1/2		69,121	1/2							
3/4			148,575	3/4		148,575	3/4		137,238	3/4		125,897	3/4		114,497	3/4		103,096	3/4		91,696	3/4		80,291	3/4		68,884	3/4							
10			148,339	10		148,339	10		137,001	10		125,660	10		114,259	10		102,859	10		91,458	10		80,053	10		68,646	10							
1/4			148,103	1/4		148,103	1/4		136,765	1/4		125,422	1/4		114,022	1/4		102,621	1/4		91,221	1/4		79,815	1/4		68,408	1/4							
1/2			147,867	1/2		147,867	1/2		136,529	1/2		125,185	1/2		113,784	1/2		102,384	1/2		90,983	1/2		79,578	1/2		68,171	1/2							
3/4			147,631	3/4		147,631	3/4		136,293	3/4		124,947	3/4		113,547	3/4		102,146	3/4		90,746	3/4		79,340	3/4		67,933	3/4							
11			147,394	11		147,394	11		136,057	11		124,710	11		113,309	11		101,909	11		90,508	11		79,102	11		67,695	11							
1/4			147,158	1/4		147,158	1/4		135,820	1/4		124,472	1/4		113,072	1/4		101,671	1/4		90,271	1/4		78,865	1/4		67,458	1/4							
1/2			146,922	1/2		146,922	1/2		135,584	1/2		124,235	1/2		112,834	1/2		101,434	1/2		90,033	1/2		78,627	1/2		67,220	1/2							
3/4			146,686	3/4		146,686	3/4		135,348	3/4		123,997	3/4		1120																				

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 TOP THREADS OF "MMC" GAUGE POINT.
GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77586
<http://www.pmacorp.net>



BARGE "MPC 303"

1 STBD
ULLAGE TABLE

CAPACITIES IN WHOLE GALLONS

FORMERLY "HPL 303"

GAUGE HEIGHT 15'-10"

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	66,745	0	56,338	0	43,931	0	32,531	0	21,136	0	9,729	0		0				0	
1/4	66,507	1/4	56,100	1/4	43,693	1/4	32,294	1/4	20,898	1/4	9,492	1/4		1/4				1/4	
1/2	66,270	1/2	54,863	1/2	43,456	1/2	32,056	1/2	20,661	1/2	9,254	1/2		1/2				1/2	
3/4	66,032	3/4	54,625	3/4	43,218	3/4	31,819	3/4	20,423	3/4	9,016	3/4		3/4				3/4	
1	65,794	1	54,387	1	42,980	1	31,582	1	20,185	1	8,779	1		1				1	
1/4	65,557	1/4	54,150	1/4	42,743	1/4	31,345	1/4	19,948	1/4	8,541	1/4		1/4				1/4	
1/2	65,319	1/2	53,912	1/2	42,505	1/2	31,108	1/2	19,710	1/2	8,304	1/2		1/2				1/2	
3/4	65,081	3/4	53,674	3/4	42,267	3/4	30,871	3/4	19,473	3/4	8,066	3/4		3/4				3/4	
2	64,844	2	53,437	2	42,030	2	30,634	2	19,235	2	7,828	2		2				2	
1/4	64,606	1/4	53,199	1/4	41,792	1/4	30,397	1/4	18,997	1/4	7,591	1/4		1/4				1/4	
1/2	64,368	1/2	52,961	1/2	41,554	1/2	30,159	1/2	18,760	1/2	7,353	1/2		1/2				1/2	
3/4	64,131	3/4	52,724	3/4	41,317	3/4	29,922	3/4	18,522	3/4	7,115	3/4		3/4				3/4	
3	63,893	3	52,486	3	41,079	3	29,685	3	18,284	3	6,878	3		3				3	
1/4	63,656	1/4	52,248	1/4	40,841	1/4	29,448	1/4	18,047	1/4	6,640	1/4		1/4				1/4	
1/2	63,418	1/2	52,011	1/2	40,604	1/2	29,211	1/2	17,809	1/2	6,403	1/2		1/2				1/2	
3/4	63,180	3/4	51,773	3/4	40,366	3/4	28,974	3/4	17,571	3/4	6,165	3/4		3/4				3/4	
4	62,943	4	51,536	4	40,129	4	28,737	4	17,334	4	5,928	4		4				4	
1/4	62,705	1/4	51,298	1/4	39,891	1/4	28,500	1/4	17,096	1/4	5,690	1/4		1/4				1/4	
1/2	62,467	1/2	51,060	1/2	39,653	1/2	28,262	1/2	16,858	1/2	5,453	1/2		1/2				1/2	
3/4	62,230	3/4	50,823	3/4	39,416	3/4	28,025	3/4	16,621	3/4	5,216	3/4		3/4				3/4	
5	61,992	5	50,585	5	39,178	5	27,788	5	16,383	5	4,979	5		5				5	
1/4	61,754	1/4	50,347	1/4	38,940	1/4	27,551	1/4	16,146	1/4	4,742	1/4		1/4				1/4	
1/2	61,517	1/2	50,110	1/2	38,703	1/2	27,314	1/2	15,908	1/2	4,505	1/2		1/2				1/2	
3/4	61,279	3/4	49,872	3/4	38,465	3/4	27,076	3/4	15,670	3/4	4,268	3/4		3/4				3/4	
6	61,041	6	49,634	6	38,227	6	26,839	6	15,433	6	4,031	6		6				6	
1/4	60,804	1/4	49,397	1/4	37,990	1/4	26,601	1/4	15,195	1/4	3,795	1/4		1/4				1/4	
1/2	60,566	1/2	49,159	1/2	37,752	1/2	26,364	1/2	14,957	1/2	3,559	1/2		1/2				1/2	
3/4	60,328	3/4	48,921	3/4	37,514	3/4	26,126	3/4	14,720	3/4	3,323	3/4		3/4				3/4	
7	60,091	7	48,684	7	37,277	7	25,889	7	14,482	7	3,087	7		7				7	
1/4	59,853	1/4	48,446	1/4	37,039	1/4	25,651	1/4	14,244	1/4	2,852	1/4		1/4				1/4	
1/2	59,616	1/2	48,209	1/2	36,802	1/2	25,413	1/2	14,007	1/2	2,617	1/2		1/2				1/2	
3/4	59,378	3/4	47,971	3/4	36,564	3/4	25,176	3/4	13,769	3/4	2,382	3/4		3/4				3/4	
8	59,140	8	47,733	8	36,326	8	24,938	8	13,532	8	2,147	8		8				8	
1/4	58,903	1/4	47,496	1/4	36,089	1/4	24,701	1/4	13,294	1/4	1,932	1/4		1/4				1/4	
1/2	58,665	1/2	47,258	1/2	35,851	1/2	24,463	1/2	13,056	1/2	1,718	1/2		1/2				1/2	
3/4	58,427	3/4	47,020	3/4	35,614	3/4	24,225	3/4	12,819	3/4	1,503	3/4		3/4				3/4	
9	58,190	9	46,783	9	35,377	9	23,988	9	12,581	9	1,289	9		9				9	
1/4	57,952	1/4	46,545	1/4	35,139	1/4	23,750	1/4	12,343	1/4	1,125	1/4		1/4				1/4	
1/2	57,714	1/2	46,307	1/2	34,902	1/2	23,512	1/2	12,106	1/2	962	1/2		1/2				1/2	
3/4	57,477	3/4	46,070	3/4	34,665	3/4	23,275	3/4	11,868	3/4	799	3/4		3/4				3/4	
10	57,239	10	45,832	10	34,428	10	23,037	10	11,630	10	635	10		10				10	
1/4	57,001	1/4	45,594	1/4	34,191	1/4	22,799	1/4	11,393	1/4		1/4		1/4				1/4	
1/2	56,764	1/2	45,357	1/2	33,954	1/2	22,562	1/2	11,155	1/2		1/2		1/2				1/2	
3/4	56,526	3/4	45,119	3/4	33,716	3/4	22,324	3/4	10,918	3/4		3/4		3/4				3/4	
11	56,288	11	44,881	11	33,479	11	22,087	11	10,680	11		11		11				11	
1/4	56,051	1/4	44,644	1/4	33,242	1/4	21,849	1/4	10,442	1/4		1/4		1/4				1/4	
1/2	55,813	1/2	44,406	1/2	33,005	1/2	21,611	1/2	10,205	1/2		1/2		1/2				1/2	
3/4	55,576	3/4	44,169	3/4	32,768	3/4	21,374	3/4	9,967	3/4		3/4		3/4				3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/02/2009 CL - SW
CALCULATED: 04/03/2009 CL
REPRINTED: 07/26/2014 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

Paul Pearson



BARGE "MPC 303"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HPL 303"

GAUGE HEIGHT 15'-10"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	141,677	1/4	141,677	1/4	141,677	1/4	141,677	1/4	141,677	1/4	141,677	1/4	141,677	1/4	141,677	1/4	141,677	1/4	141,677
1/2	141,448	1/2	141,448	1/2	141,448	1/2	141,448	1/2	141,448	1/2	141,448	1/2	141,448	1/2	141,448	1/2	141,448	1/2	141,448
3/4	141,220	3/4	141,220	3/4	141,220	3/4	141,220	3/4	141,220	3/4	141,220	3/4	141,220	3/4	141,220	3/4	141,220	3/4	141,220
1	140,991	1	140,991	1	140,991	1	140,991	1	140,991	1	140,991	1	140,991	1	140,991	1	140,991	1	140,991
1/4	140,762	1/4	140,762	1/4	140,762	1/4	140,762	1/4	140,762	1/4	140,762	1/4	140,762	1/4	140,762	1/4	140,762	1/4	140,762
1/2	140,533	1/2	140,533	1/2	140,533	1/2	140,533	1/2	140,533	1/2	140,533	1/2	140,533	1/2	140,533	1/2	140,533	1/2	140,533
3/4	140,304	3/4	140,304	3/4	140,304	3/4	140,304	3/4	140,304	3/4	140,304	3/4	140,304	3/4	140,304	3/4	140,304	3/4	140,304
2	140,075	2	140,075	2	140,075	2	140,075	2	140,075	2	140,075	2	140,075	2	140,075	2	140,075	2	140,075
1/4	139,901	1/4	139,901	1/4	139,901	1/4	139,901	1/4	139,901	1/4	139,901	1/4	139,901	1/4	139,901	1/4	139,901	1/4	139,901
1/2	139,726	1/2	139,726	1/2	139,726	1/2	139,726	1/2	139,726	1/2	139,726	1/2	139,726	1/2	139,726	1/2	139,726	1/2	139,726
3/4	139,552	3/4	139,552	3/4	139,552	3/4	139,552	3/4	139,552	3/4	139,552	3/4	139,552	3/4	139,552	3/4	139,552	3/4	139,552
3	139,323	3	139,323	3	139,323	3	139,323	3	139,323	3	139,323	3	139,323	3	139,323	3	139,323	3	139,323
1/4	139,221	1/4	139,221	1/4	139,221	1/4	139,221	1/4	139,221	1/4	139,221	1/4	139,221	1/4	139,221	1/4	139,221	1/4	139,221
1/2	139,064	1/2	139,064	1/2	139,064	1/2	139,064	1/2	139,064	1/2	139,064	1/2	139,064	1/2	139,064	1/2	139,064	1/2	139,064
3/4	138,908	3/4	138,908	3/4	138,908	3/4	138,908	3/4	138,908	3/4	138,908	3/4	138,908	3/4	138,908	3/4	138,908	3/4	138,908
4	138,752	4	138,752	4	138,752	4	138,752	4	138,752	4	138,752	4	138,752	4	138,752	4	138,752	4	138,752
1/4	138,595	1/4	138,595	1/4	138,595	1/4	138,595	1/4	138,595	1/4	138,595	1/4	138,595	1/4	138,595	1/4	138,595	1/4	138,595
1/2	138,439	1/2	138,439	1/2	138,439	1/2	138,439	1/2	138,439	1/2	138,439	1/2	138,439	1/2	138,439	1/2	138,439	1/2	138,439
3/4	138,282	3/4	138,282	3/4	138,282	3/4	138,282	3/4	138,282	3/4	138,282	3/4	138,282	3/4	138,282	3/4	138,282	3/4	138,282
5	138,126	5	138,126	5	138,126	5	138,126	5	138,126	5	138,126	5	138,126	5	138,126	5	138,126	5	138,126
1/4	137,970	1/4	137,970	1/4	137,970	1/4	137,970	1/4	137,970	1/4	137,970	1/4	137,970	1/4	137,970	1/4	137,970	1/4	137,970
1/2	137,813	1/2	137,813	1/2	137,813	1/2	137,813	1/2	137,813	1/2	137,813	1/2	137,813	1/2	137,813	1/2	137,813	1/2	137,813
3/4	137,657	3/4	137,657	3/4	137,657	3/4	137,657	3/4	137,657	3/4	137,657	3/4	137,657	3/4	137,657	3/4	137,657	3/4	137,657
6	137,500	6	137,500	6	137,500	6	137,500	6	137,500	6	137,500	6	137,500	6	137,500	6	137,500	6	137,500
1/4	137,344	1/4	137,344	1/4	137,344	1/4	137,344	1/4	137,344	1/4	137,344	1/4	137,344	1/4	137,344	1/4	137,344	1/4	137,344
1/2	137,188	1/2	137,188	1/2	137,188	1/2	137,188	1/2	137,188	1/2	137,188	1/2	137,188	1/2	137,188	1/2	137,188	1/2	137,188
3/4	137,031	3/4	137,031	3/4	137,031	3/4	137,031	3/4	137,031	3/4	137,031	3/4	137,031	3/4	137,031	3/4	137,031	3/4	137,031
7	136,875	7	136,875	7	136,875	7	136,875	7	136,875	7	136,875	7	136,875	7	136,875	7	136,875	7	136,875
1/4	136,718	1/4	136,718	1/4	136,718	1/4	136,718	1/4	136,718	1/4	136,718	1/4	136,718	1/4	136,718	1/4	136,718	1/4	136,718
1/2	136,560	1/2	136,560	1/2	136,560	1/2	136,560	1/2	136,560	1/2	136,560	1/2	136,560	1/2	136,560	1/2	136,560	1/2	136,560
3/4	136,403	3/4	136,403	3/4	136,403	3/4	136,403	3/4	136,403	3/4	136,403	3/4	136,403	3/4	136,403	3/4	136,403	3/4	136,403
8	136,246	8	136,246	8	136,246	8	136,246	8	136,246	8	136,246	8	136,246	8	136,246	8	136,246	8	136,246
1/4	136,088	1/4	136,088	1/4	136,088	1/4	136,088	1/4	136,088	1/4	136,088	1/4	136,088	1/4	136,088	1/4	136,088	1/4	136,088
1/2	135,930	1/2	135,930	1/2	135,930	1/2	135,930	1/2	135,930	1/2	135,930	1/2	135,930	1/2	135,930	1/2	135,930	1/2	135,930
3/4	135,773	3/4	135,773	3/4	135,773	3/4	135,773	3/4	135,773	3/4	135,773	3/4	135,773	3/4	135,773	3/4	135,773	3/4	135,773
9	135,615	9	135,615	9	135,615	9	135,615	9	135,615	9	135,615	9	135,615	9	135,615	9	135,615	9	135,615
1/4	135,457	1/4	135,457	1/4	135,457	1/4	135,457	1/4	135,457	1/4	135,457	1/4	135,457	1/4	135,457	1/4	135,457	1/4	135,457
1/2	135,300	1/2	135,300	1/2	135,300	1/2	135,300	1/2	135,300	1/2	135,300	1/2	135,300	1/2	135,300	1/2	135,300	1/2	135,300
3/4	135,142	3/4	135,142	3/4	135,142	3/4	135,142	3/4	135,142	3/4	135,142	3/4	135,142	3/4	135,142	3/4	135,142	3/4	135,142
10	134,984	10	134,984	10	134,984	10	134,984	10	134,984	10	134,984	10	134,984	10	134,984	10	134,984	10	134,984
1/4	134,827	1/4	134,827	1/4	134,827	1/4	134,827	1/4	134,827	1/4	134,827	1/4	134,827	1/4	134,827	1/4	134,827	1/4	134,827
1/2	134,669	1/2	134,669	1/2	134,669	1/2	134,669	1/2	134,669	1/2	134,669	1/2	134,669	1/2	134,669	1/2	134,669	1/2	134,669
3/4	134,511	3/4	134,511	3/4	134,511	3/4	134,511	3/4	134,511	3/4	134,511	3/4	134,511	3/4	134,511	3/4	134,511	3/4	134,511
11	134,354	11	134,354	11	134,354	11	134,354	11	134,354	11	134,354	11	134,354	11	134,354	11	134,354	11	134,354
1/4	134,196	1/4	134,196	1/4	134,196	1/4	134,196	1/4	134,196	1/4	134,196	1/4	134,196	1/4	134,196	1/4	134,196	1/4	134,196
1/2	134,039	1/2	134,039	1/2	134,039	1/2	134,039	1/2	134,039	1/2	134,039	1/2	134,039	1/2	134,039	1/2	134,039	1/2	134,039
3/4	133,881	3/4	133,881	3/4	133,881	3/4	133,881	3/4	133,881	3/4	133,881	3/4	133,881	3/4	133,881	3/4	133,881	3/4	133,881

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 TOP THREADS OF "MMC" GAUGE POINT.
GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77568

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BARGE "MPC 303"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 303"

GAUGE HEIGHT 15'-10"

IN		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
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	66,971	0	55,484	0	44,019	0	32,817	0	21,371	0	9,845	0		0				0	
1/4	66,731	1/4	55,245	1/4	43,780	1/4	32,586	1/4	21,131	1/4	9,605	1/4		1/4				1/4	
1/2	66,491	1/2	55,007	1/2	43,540	1/2	32,355	1/2	20,891	1/2	9,365	1/2		1/2				1/2	
3/4	66,251	3/4	54,769	3/4	43,300	3/4	32,124	3/4	20,651	3/4	9,125	3/4		3/4				3/4	
1	66,011	1	54,531	1	43,060	1	31,893	1	20,410	1	8,885	1		1				1	
1/4	65,771	1/4	54,293	1/4	42,822	1/4	31,659	1/4	20,170	1/4	8,645	1/4		1/4				1/4	
1/2	65,530	1/2	54,055	1/2	42,584	1/2	31,425	1/2	19,930	1/2	8,404	1/2		1/2				1/2	
3/4	65,290	3/4	53,816	3/4	42,346	3/4	31,191	3/4	19,690	3/4	8,164	3/4		3/4				3/4	
2	65,050	2	53,576	2	42,108	2	30,957	2	19,450	2	7,924	2		2				2	
1/4	64,810	1/4	53,340	1/4	41,872	1/4	30,719	1/4	19,210	1/4	7,683	1/4		1/4				1/4	
1/2	64,570	1/2	53,102	1/2	41,636	1/2	30,480	1/2	18,970	1/2	7,443	1/2		1/2				1/2	
3/4	64,330	3/4	52,864	3/4	41,401	3/4	30,242	3/4	18,730	3/4	7,202	3/4		3/4				3/4	
3	64,090	3	52,625	3	41,165	3	30,004	3	18,490	3	6,962	3		3				3	
1/4	63,850	1/4	52,387	1/4	40,931	1/4	29,765	1/4	18,249	1/4	6,721	1/4		1/4				1/4	
1/2	63,610	1/2	52,149	1/2	40,697	1/2	29,526	1/2	18,009	1/2	6,481	1/2		1/2				1/2	
3/4	63,370	3/4	51,911	3/4	40,463	3/4	29,286	3/4	17,769	3/4	6,241	3/4		3/4				3/4	
4	63,130	4	51,673	4	40,229	4	29,047	4	17,529	4	6,000	4		4				4	
1/4	62,890	1/4	51,435	1/4	39,997	1/4	28,808	1/4	17,289	1/4	5,760	1/4		1/4				1/4	
1/2	62,650	1/2	51,196	1/2	39,764	1/2	28,569	1/2	17,049	1/2	5,520	1/2		1/2				1/2	
3/4	62,410	3/4	50,958	3/4	39,532	3/4	28,330	3/4	16,809	3/4	5,280	3/4		3/4				3/4	
5	62,170	5	50,720	5	39,300	5	28,090	5	16,569	5	5,040	5		5				5	
1/4	61,930	1/4	50,482	1/4	39,068	1/4	27,851	1/4	16,329	1/4	4,801	1/4		1/4				1/4	
1/2	61,690	1/2	50,244	1/2	38,836	1/2	27,612	1/2	16,088	1/2	4,561	1/2		1/2				1/2	
3/4	61,449	3/4	50,005	3/4	38,604	3/4	27,372	3/4	15,848	3/4	4,321	3/4		3/4				3/4	
6	61,209	6	49,767	6	38,372	6	27,133	6	15,608	6	4,081	6		6				6	
1/4	60,969	1/4	49,529	1/4	38,140	1/4	26,893	1/4	15,368	1/4	3,842	1/4		1/4				1/4	
1/2	60,729	1/2	49,291	1/2	37,908	1/2	26,653	1/2	15,128	1/2	3,603	1/2		1/2				1/2	
3/4	60,489	3/4	49,053	3/4	37,676	3/4	26,413	3/4	14,888	3/4	3,364	3/4		3/4				3/4	
7	60,249	7	48,815	7	37,444	7	26,173	7	14,648	7	3,125	7		7				7	
1/4	60,011	1/4	48,575	1/4	37,212	1/4	25,933	1/4	14,408	1/4	2,887	1/4		1/4				1/4	
1/2	59,772	1/2	48,336	1/2	36,980	1/2	25,693	1/2	14,168	1/2	2,649	1/2		1/2				1/2	
3/4	59,533	3/4	48,096	3/4	36,748	3/4	25,453	3/4	13,927	3/4	2,411	3/4		3/4				3/4	
8	59,295	8	47,857	8	36,516	8	25,213	8	13,687	8	2,173	8		8				8	
1/4	59,056	1/4	47,617	1/4	36,285	1/4	24,973	1/4	13,447	1/4	1,956	1/4		1/4				1/4	
1/2	58,818	1/2	47,377	1/2	36,053	1/2	24,732	1/2	13,207	1/2	1,739	1/2		1/2				1/2	
3/4	58,580	3/4	47,137	3/4	35,822	3/4	24,492	3/4	12,967	3/4	1,522	3/4		3/4				3/4	
9	58,342	9	46,898	9	35,590	9	24,252	9	12,727	9	1,305	9		9				9	
1/4	58,104	1/4	46,658	1/4	35,359	1/4	24,012	1/4	12,487	1/4	1,139	1/4		1/4				1/4	
1/2	57,865	1/2	46,418	1/2	35,128	1/2	23,772	1/2	12,247	1/2	974	1/2		1/2				1/2	
3/4	57,627	3/4	46,178	3/4	34,897	3/4	23,532	3/4	12,007	3/4	809	3/4		3/4				3/4	
10	57,389	10	45,938	10	34,666	10	23,292	10	11,766	10	643	10		10				10	
1/4	57,151	1/4	45,698	1/4	34,435	1/4	23,052	1/4	11,526	1/4		1/4		1/4				1/4	
1/2	56,913	1/2	45,458	1/2	34,204	1/2	22,812	1/2	11,286	1/2		1/2		1/2				1/2	
3/4	56,675	3/4	45,219	3/4	33,973	3/4	22,571	3/4	11,046	3/4		3/4		3/4				3/4	
11	56,436	11	44,979	11	33,742	11	22,331	11	10,806	11		11		11				11	
1/4	56,198	1/4	44,739	1/4	33,511	1/4	22,091	1/4	10,566	1/4		1/4		1/4				1/4	
1/2	55,960	1/2	44,499	1/2	33,280	1/2	21,851	1/2	10,326	1/2		1/2		1/2				1/2	
3/4	55,722	3/4	44,259	3/4	33,049	3/4	21,611	3/4	10,086	3/4		3/4		3/4				3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/02/2009 CL - SW

CALCULATED: 04/03/2009 CL

REPRINTED: 07/26/2014 CL

CANCELS AND SUPERCEDES

ALL PRIOR TO 07/2014

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

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<http://www.pmacorp.net>



BARGE "MPC 303"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 303"

GAUGE HEIGHT 15'-10"

IN		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	67,579	0	56,029	0	44,480	0	32,937	0	21,400	0	9,851	0		0		0		0		0	
1/4	67,338	1/4	55,788	1/4	44,239	1/4	32,697	1/4	21,159	1/4	9,610	1/4		1/4		1/4		1/4		1/4	
1/2	67,097	1/2	55,548	1/2	43,998	1/2	32,457	1/2	20,919	1/2	9,370	1/2		1/2		1/2		1/2		1/2	
3/4	66,857	3/4	55,307	3/4	43,758	3/4	32,217	3/4	20,678	3/4	9,129	3/4		3/4		3/4		3/4		3/4	
1	66,616	1	55,067	1	43,517	1	31,977	1	20,437	1	8,888	1		1		1		1		1	
1/4	66,375	1/4	54,826	1/4	43,277	1/4	31,736	1/4	20,197	1/4	8,648	1/4		1/4		1/4		1/4		1/4	
1/2	66,135	1/2	54,585	1/2	43,036	1/2	31,496	1/2	19,956	1/2	8,407	1/2		1/2		1/2		1/2		1/2	
3/4	65,894	3/4	54,345	3/4	42,795	3/4	31,256	3/4	19,716	3/4	8,167	3/4		3/4		3/4		3/4		3/4	
2	65,654	2	54,104	2	42,555	2	31,016	2	19,475	2	7,926	2		2		2		2		2	
1/4	65,413	1/4	53,864	1/4	42,314	1/4	30,776	1/4	19,234	1/4	7,685	1/4		1/4		1/4		1/4		1/4	
1/2	65,172	1/2	53,623	1/2	42,073	1/2	30,536	1/2	18,994	1/2	7,445	1/2		1/2		1/2		1/2		1/2	
3/4	64,932	3/4	53,382	3/4	41,833	3/4	30,296	3/4	18,753	3/4	7,204	3/4		3/4		3/4		3/4		3/4	
3	64,691	3	53,142	3	41,592	3	30,056	3	18,513	3	6,964	3		3		3		3		3	
1/4	64,451	1/4	52,901	1/4	41,352	1/4	29,816	1/4	18,272	1/4	6,723	1/4		1/4		1/4		1/4		1/4	
1/2	64,210	1/2	52,660	1/2	41,111	1/2	29,576	1/2	18,031	1/2	6,483	1/2		1/2		1/2		1/2		1/2	
3/4	63,969	3/4	52,420	3/4	40,870	3/4	29,336	3/4	17,791	3/4	6,242	3/4		3/4		3/4		3/4		3/4	
4	63,729	4	52,179	4	40,630	4	29,095	4	17,550	4	6,002	4		4		4		4		4	
1/4	63,488	1/4	51,939	1/4	40,389	1/4	28,855	1/4	17,310	1/4	5,761	1/4		1/4		1/4		1/4		1/4	
1/2	63,247	1/2	51,698	1/2	40,149	1/2	28,615	1/2	17,069	1/2	5,521	1/2		1/2		1/2		1/2		1/2	
3/4	63,007	3/4	51,457	3/4	39,908	3/4	28,375	3/4	16,828	3/4	5,281	3/4		3/4		3/4		3/4		3/4	
5	62,766	5	51,217	5	39,667	5	28,135	5	16,588	5	5,041	5		5		5		5		5	
1/4	62,526	1/4	50,976	1/4	39,427	1/4	27,895	1/4	16,347	1/4	4,801	1/4		1/4		1/4		1/4		1/4	
1/2	62,285	1/2	50,736	1/2	39,186	1/2	27,655	1/2	16,106	1/2	4,561	1/2		1/2		1/2		1/2		1/2	
3/4	62,044	3/4	50,495	3/4	38,945	3/4	27,414	3/4	15,866	3/4	4,321	3/4		3/4		3/4		3/4		3/4	
6	61,804	6	50,254	6	38,705	6	27,174	6	15,625	6	4,081	6		6		6		6		6	
1/4	61,563	1/4	50,014	1/4	38,464	1/4	26,933	1/4	15,385	1/4	3,842	1/4		1/4		1/4		1/4		1/4	
1/2	61,323	1/2	49,773	1/2	38,224	1/2	26,693	1/2	15,144	1/2	3,603	1/2		1/2		1/2		1/2		1/2	
3/4	61,082	3/4	49,532	3/4	37,983	3/4	26,452	3/4	14,903	3/4	3,364	3/4		3/4		3/4		3/4		3/4	
7	60,841	7	49,292	7	37,742	7	26,212	7	14,663	7	3,125	7		7		7		7		7	
1/4	60,601	1/4	49,051	1/4	37,502	1/4	25,971	1/4	14,422	1/4	2,887	1/4		1/4		1/4		1/4		1/4	
1/2	60,360	1/2	48,811	1/2	37,261	1/2	25,731	1/2	14,182	1/2	2,649	1/2		1/2		1/2		1/2		1/2	
3/4	60,119	3/4	48,570	3/4	37,021	3/4	25,490	3/4	13,941	3/4	2,411	3/4		3/4		3/4		3/4		3/4	
8	59,879	8	48,329	8	36,780	8	25,249	8	13,700	8	2,173	8		8		8		8		8	
1/4	59,638	1/4	48,089	1/4	36,540	1/4	25,009	1/4	13,460	1/4	1,966	1/4		1/4		1/4		1/4		1/4	
1/2	59,398	1/2	47,848	1/2	36,299	1/2	24,768	1/2	13,219	1/2	1,739	1/2		1/2		1/2		1/2		1/2	
3/4	59,157	3/4	47,608	3/4	36,059	3/4	24,528	3/4	12,979	3/4	1,522	3/4		3/4		3/4		3/4		3/4	
9	58,916	9	47,367	9	35,818	9	24,287	9	12,738	9	1,305	9		9		9		9		9	
1/4	58,676	1/4	47,126	1/4	35,578	1/4	24,046	1/4	12,497	1/4	1,139	1/4		1/4		1/4		1/4		1/4	
1/2	58,435	1/2	46,886	1/2	35,338	1/2	23,806	1/2	12,257	1/2	974	1/2		1/2		1/2		1/2		1/2	
3/4	58,195	3/4	46,645	3/4	35,098	3/4	23,565	3/4	12,016	3/4	809	3/4		3/4		3/4		3/4		3/4	
10	57,954	10	46,405	10	34,858	10	23,325	10	11,776	10	643	10		10		10		10		10	
1/4	57,713	1/4	46,164	1/4	34,618	1/4	23,084	1/4	11,535	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	57,473	1/2	45,923	1/2	34,378	1/2	22,843	1/2	11,294	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	57,232	3/4	45,683	3/4	34,137	3/4	22,603	3/4	11,054	3/4		3/4		3/4		3/4		3/4		3/4	
11	56,992	11	45,442	11	33,897	11	22,362	11	10,813	11		11		11		11		11		11	
1/4	56,751	1/4	45,201	1/4	33,657	1/4	22,122	1/4	10,573	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	56,510	1/2	44,961	1/2	33,417	1/2	21,881	1/2	10,332	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	56,270	3/4	44,720	3/4	33,177	3/4	21,640	3/4	10,091	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/02/2009 CL - SW
CALCULATED: 04/03/2009 CL
REPRINTED: 07/26/2014 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT
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Paul Stearns

[Signature]