



# BARGE "HFL 3010"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 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 = 1'-00"  
 AFT DRAFT = 5'-00"  
 DIFF. = 4'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

February 14, 2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HFL 3010"

## STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,161	0	3,006	0	1,853	0	698	0		0		0		0	
1/4		1/4		1/4	4,137	1/4	2,982	1/4	1,829	1/4	674	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,113	1/2	2,958	1/2	1,805	1/2	650	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,089	3/4	2,934	3/4	1,780	3/4	626	3/4		3/4		3/4		3/4	
1		1		1	4,065	1	2,910	1	1,756	1	602	1		1		1		1	
1/4		1/4	5,140	1/4	4,041	1/4	2,886	1/4	1,732	1/4	578	1/4		1/4		1/4		1/4	
1/2		1/2	5,128	1/2	4,017	1/2	2,862	1/2	1,708	1/2	553	1/2		1/2		1/2		1/2	
3/4		3/4	5,117	3/4	3,993	3/4	2,838	3/4	1,684	3/4	529	3/4		3/4		3/4		3/4	
2		2	5,105	2	3,969	2	2,814	2	1,660	2	505	2		2		2		2	
1/4		1/4	5,093	1/4	3,945	1/4	2,790	1/4	1,636	1/4	481	1/4		1/4		1/4		1/4	
1/2		1/2	5,070	1/2	3,921	1/2	2,766	1/2	1,612	1/2	457	1/2		1/2		1/2		1/2	
3/4		3/4	5,046	3/4	3,897	3/4	2,742	3/4	1,588	3/4	433	3/4		3/4		3/4		3/4	
3		3	5,023	3	3,873	3	2,718	3	1,564	3	409	3		3		3		3	
1/4		1/4	4,999	1/4	3,849	1/4	2,694	1/4	1,540	1/4	385	1/4		1/4		1/4		1/4	
1/2		1/2	4,975	1/2	3,825	1/2	2,670	1/2	1,516	1/2	361	1/2		1/2		1/2		1/2	
3/4		3/4	4,952	3/4	3,800	3/4	2,646	3/4	1,492	3/4	337	3/4		3/4		3/4		3/4	
4		4	4,928	4	3,776	4	2,622	4	1,468	4	313	4		4		4		4	
1/4		1/4	4,904	1/4	3,752	1/4	2,597	1/4	1,444	1/4	289	1/4		1/4		1/4		1/4	
1/2		1/2	4,881	1/2	3,728	1/2	2,574	1/2	1,419	1/2	265	1/2		1/2		1/2		1/2	
3/4		3/4	4,857	3/4	3,704	3/4	2,550	3/4	1,395	3/4	241	3/4		3/4		3/4		3/4	
5		5	4,833	5	3,680	5	2,526	5	1,371	5	217	5		5		5		5	
1/4		1/4	4,810	1/4	3,656	1/4	2,502	1/4	1,347	1/4	193	1/4		1/4		1/4		1/4	
1/2		1/2	4,786	1/2	3,632	1/2	2,478	1/2	1,323	1/2	168	1/2		1/2		1/2		1/2	
3/4		3/4	4,762	3/4	3,608	3/4	2,454	3/4	1,299	3/4	144	3/4		3/4		3/4		3/4	
6		6	4,739	6	3,584	6	2,430	6	1,275	6	120	6		6		6		6	
1/4		1/4	4,715	1/4	3,560	1/4	2,406	1/4	1,251	1/4	96	1/4		1/4		1/4		1/4	
1/2		1/2	4,691	1/2	3,536	1/2	2,382	1/2	1,227	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,667	3/4	3,512	3/4	2,358	3/4	1,203	3/4		3/4		3/4		3/4		3/4	
7		7	4,643	7	3,488	7	2,334	7	1,179	7		7		7		7		7	
1/4		1/4	4,619	1/4	3,464	1/4	2,310	1/4	1,155	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,595	1/2	3,440	1/2	2,286	1/2	1,131	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,570	3/4	3,415	3/4	2,262	3/4	1,107	3/4		3/4		3/4		3/4		3/4	
8		8	4,546	8	3,391	8	2,238	8	1,083	8		8		8		8		8	
1/4		1/4	4,522	1/4	3,367	1/4	2,214	1/4	1,059	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,498	1/2	3,343	1/2	2,190	1/2	1,035	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,474	3/4	3,319	3/4	2,165	3/4	1,011	3/4		3/4		3/4		3/4		3/4	
9		9	4,450	9	3,295	9	2,141	9	987	9		9		9		9		9	
1/4		1/4	4,426	1/4	3,271	1/4	2,117	1/4	963	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,402	1/2	3,247	1/2	2,093	1/2	938	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,378	3/4	3,223	3/4	2,069	3/4	914	3/4		3/4		3/4		3/4		3/4	
10		10	4,354	10	3,199	10	2,045	10	890	10		10		10		10		10	
1/4		1/4	4,330	1/4	3,175	1/4	2,021	1/4	866	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,306	1/2	3,151	1/2	1,997	1/2	842	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,282	3/4	3,127	3/4	1,973	3/4	818	3/4		3/4		3/4		3/4		3/4	
11		11	4,258	11	3,103	11	1,949	11	794	11		11		11		11		11	
1/4		1/4	4,234	1/4	3,079	1/4	1,925	1/4	770	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,210	1/2	3,054	1/2	1,901	1/2	746	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,185	3/4	3,030	3/4	1,877	3/4	722	3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT

STRAPPED: 02/13/2017 CL  
CALCULATED: 02/14/2017 CL  
PRINTED: 02/14/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

PRECISION MEASUREMENT  
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P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "HFL 3010"

## PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,161	0	3,006	0	1,853	0	698	0		0		0		0	
1/4		1/4		1/4	4,137	1/4	2,982	1/4	1,829	1/4	674	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,113	1/2	2,958	1/2	1,805	1/2	650	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,089	3/4	2,934	3/4	1,780	3/4	626	3/4		3/4		3/4		3/4	
1		1		1	4,065	1	2,910	1	1,756	1	602	1		1		1		1	
1/4		1/4	5,140	1/4	4,041	1/4	2,886	1/4	1,732	1/4	578	1/4		1/4		1/4		1/4	
1/2		1/2	5,128	1/2	4,017	1/2	2,862	1/2	1,708	1/2	553	1/2		1/2		1/2		1/2	
3/4		3/4	5,117	3/4	3,993	3/4	2,838	3/4	1,684	3/4	529	3/4		3/4		3/4		3/4	
2		2	5,105	2	3,969	2	2,814	2	1,660	2	505	2		2		2		2	
1/4		1/4	5,093	1/4	3,945	1/4	2,790	1/4	1,636	1/4	481	1/4		1/4		1/4		1/4	
1/2		1/2	5,070	1/2	3,921	1/2	2,766	1/2	1,612	1/2	457	1/2		1/2		1/2		1/2	
3/4		3/4	5,046	3/4	3,897	3/4	2,742	3/4	1,588	3/4	433	3/4		3/4		3/4		3/4	
3		3	5,023	3	3,873	3	2,718	3	1,564	3	409	3		3		3		3	
1/4		1/4	4,999	1/4	3,849	1/4	2,694	1/4	1,540	1/4	385	1/4		1/4		1/4		1/4	
1/2		1/2	4,975	1/2	3,825	1/2	2,670	1/2	1,516	1/2	361	1/2		1/2		1/2		1/2	
3/4		3/4	4,952	3/4	3,800	3/4	2,646	3/4	1,492	3/4	337	3/4		3/4		3/4		3/4	
4		4	4,928	4	3,776	4	2,622	4	1,468	4	313	4		4		4		4	
1/4		1/4	4,904	1/4	3,752	1/4	2,597	1/4	1,444	1/4	289	1/4		1/4		1/4		1/4	
1/2		1/2	4,881	1/2	3,728	1/2	2,574	1/2	1,419	1/2	265	1/2		1/2		1/2		1/2	
3/4		3/4	4,857	3/4	3,704	3/4	2,550	3/4	1,395	3/4	241	3/4		3/4		3/4		3/4	
5		5	4,833	5	3,680	5	2,526	5	1,371	5	217	5		5		5		5	
1/4		1/4	4,810	1/4	3,656	1/4	2,502	1/4	1,347	1/4	193	1/4		1/4		1/4		1/4	
1/2		1/2	4,786	1/2	3,632	1/2	2,478	1/2	1,323	1/2	168	1/2		1/2		1/2		1/2	
3/4		3/4	4,762	3/4	3,608	3/4	2,454	3/4	1,299	3/4	144	3/4		3/4		3/4		3/4	
6		6	4,739	6	3,584	6	2,430	6	1,275	6	120	6		6		6		6	
1/4		1/4	4,715	1/4	3,560	1/4	2,406	1/4	1,251	1/4	96	1/4		1/4		1/4		1/4	
1/2		1/2	4,691	1/2	3,536	1/2	2,382	1/2	1,227	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,667	3/4	3,512	3/4	2,358	3/4	1,203	3/4		3/4		3/4		3/4		3/4	
7		7	4,643	7	3,488	7	2,334	7	1,179	7		7		7		7		7	
1/4		1/4	4,619	1/4	3,464	1/4	2,310	1/4	1,155	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,595	1/2	3,440	1/2	2,286	1/2	1,131	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,570	3/4	3,415	3/4	2,262	3/4	1,107	3/4		3/4		3/4		3/4		3/4	
8		8	4,546	8	3,391	8	2,238	8	1,083	8		8		8		8		8	
1/4		1/4	4,522	1/4	3,367	1/4	2,214	1/4	1,059	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,498	1/2	3,343	1/2	2,190	1/2	1,035	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,474	3/4	3,319	3/4	2,165	3/4	1,011	3/4		3/4		3/4		3/4		3/4	
9		9	4,450	9	3,295	9	2,141	9	987	9		9		9		9		9	
1/4		1/4	4,426	1/4	3,271	1/4	2,117	1/4	963	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,402	1/2	3,247	1/2	2,093	1/2	938	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,378	3/4	3,223	3/4	2,069	3/4	914	3/4		3/4		3/4		3/4		3/4	
10		10	4,354	10	3,199	10	2,045	10	890	10		10		10		10		10	
1/4		1/4	4,330	1/4	3,175	1/4	2,021	1/4	866	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,306	1/2	3,151	1/2	1,997	1/2	842	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,282	3/4	3,127	3/4	1,973	3/4	818	3/4		3/4		3/4		3/4		3/4	
11		11	4,258	11	3,103	11	1,949	11	794	11		11		11		11		11	
1/4		1/4	4,234	1/4	3,079	1/4	1,925	1/4	770	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,210	1/2	3,054	1/2	1,901	1/2	746	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,185	3/4	3,030	3/4	1,877	3/4	722	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
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CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT

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ALL PRIOR TO 02/2017

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# BARGE "HFL 3010"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	185,067	0	174,738	0	164,395	0	154,029	0	141,953	0	126,958	0	111,964	0	96,954		
1/4	1/4	1/4	184,852	1/4	174,523	1/4	164,179	1/4	153,813	1/4	141,640	1/4	126,646	1/4	111,651	1/4	96,641		
1/2	1/2	1/2	184,637	1/2	174,308	1/2	163,963	1/2	153,597	1/2	141,328	1/2	126,333	1/2	111,339	1/2	96,328		
3/4	3/4	3/4	184,422	3/4	174,092	3/4	163,747	3/4	153,381	3/4	141,016	3/4	126,021	3/4	111,026	3/4	96,015		
1	1	1	184,207	1	173,877	1	163,531	1	153,165	1	140,703	1	125,709	1	110,714	1	95,703		
1/4	1/4	1/4	183,991	1/4	173,662	1/4	163,315	1/4	152,949	1/4	140,391	1/4	125,396	1/4	110,402	1/4	95,390		
1/2	1/2	1/2	183,776	1/2	173,447	1/2	163,099	1/2	152,733	1/2	140,079	1/2	125,084	1/2	110,089	1/2	95,077		
3/4	3/4	3/4	183,561	3/4	173,232	3/4	162,883	3/4	152,517	3/4	139,766	3/4	124,771	3/4	109,777	3/4	94,764		
2	2	2	192,983	2	183,346	2	173,016	2	162,667	2	152,302	2	139,454	2	124,459	2	109,464	2	94,451
1/4	1/4	1/4	192,860	1/4	183,131	1/4	172,801	1/4	162,451	1/4	152,086	1/4	139,141	1/4	124,147	1/4	109,152	1/4	94,139
1/2	1/2	1/2	192,736	1/2	182,915	1/2	172,586	1/2	162,235	1/2	151,870	1/2	138,829	1/2	123,834	1/2	108,839	1/2	93,826
3/4	3/4	3/4	192,613	3/4	182,700	3/4	172,371	3/4	162,019	3/4	151,654	3/4	138,517	3/4	123,522	3/4	108,527	3/4	93,513
3	3	3	192,489	3	182,485	3	172,156	3	161,804	3	151,438	3	138,204	3	123,210	3	108,214	3	93,200
1/4	1/4	1/4	192,329	1/4	182,270	1/4	171,941	1/4	161,588	1/4	151,222	1/4	137,892	1/4	122,897	1/4	107,902	1/4	92,887
1/2	1/2	1/2	192,170	1/2	182,055	1/2	171,725	1/2	161,372	1/2	151,006	1/2	137,579	1/2	122,585	1/2	107,589	1/2	92,575
3/4	3/4	3/4	192,010	3/4	181,839	3/4	171,510	3/4	161,156	3/4	150,790	3/4	137,267	3/4	122,272	3/4	107,276	3/4	92,262
4	4	4	191,850	4	181,624	4	171,295	4	160,940	4	150,574	4	136,955	4	121,960	4	106,964	4	91,949
1/4	1/4	1/4	191,657	1/4	181,409	1/4	171,080	1/4	160,724	1/4	150,354	1/4	136,642	1/4	121,648	1/4	106,651	1/4	91,636
1/2	1/2	1/2	191,464	1/2	181,194	1/2	170,865	1/2	160,508	1/2	150,135	1/2	136,330	1/2	121,335	1/2	106,338	1/2	91,323
3/4	3/4	3/4	191,271	3/4	180,979	3/4	170,649	3/4	160,292	3/4	149,915	3/4	136,017	3/4	121,023	3/4	106,025	3/4	91,011
5	5	5	191,078	5	180,763	5	170,434	5	160,076	5	149,696	5	135,705	5	120,710	5	105,712	5	90,698
1/4	1/4	1/4	190,867	1/4	180,548	1/4	170,219	1/4	159,860	1/4	149,465	1/4	135,393	1/4	120,398	1/4	105,400	1/4	90,385
1/2	1/2	1/2	190,655	1/2	180,333	1/2	170,004	1/2	159,644	1/2	149,234	1/2	135,080	1/2	120,086	1/2	105,087	1/2	90,072
3/4	3/4	3/4	190,444	3/4	180,118	3/4	169,789	3/4	159,428	3/4	149,002	3/4	134,768	3/4	119,773	3/4	104,774	3/4	89,759
6	6	6	190,232	6	179,903	6	169,573	6	159,212	6	148,771	6	134,456	6	119,461	6	104,461	6	89,447
1/4	1/4	1/4	190,017	1/4	179,688	1/4	169,358	1/4	158,996	1/4	148,524	1/4	134,143	1/4	119,148	1/4	104,148	1/4	89,134
1/2	1/2	1/2	189,802	1/2	179,472	1/2	169,143	1/2	158,780	1/2	148,277	1/2	133,831	1/2	118,836	1/2	103,836	1/2	88,821
3/4	3/4	3/4	189,587	3/4	179,257	3/4	168,928	3/4	158,564	3/4	148,030	3/4	133,518	3/4	118,524	3/4	103,523	3/4	88,508
7	7	7	189,372	7	179,042	7	168,713	7	158,348	7	147,782	7	133,206	7	118,211	7	103,210	7	88,195
1/4	1/4	1/4	189,157	1/4	178,827	1/4	168,497	1/4	158,132	1/4	147,519	1/4	132,894	1/4	117,899	1/4	102,897	1/4	87,883
1/2	1/2	1/2	188,942	1/2	178,612	1/2	168,281	1/2	157,916	1/2	147,256	1/2	132,581	1/2	117,587	1/2	102,584	1/2	87,570
3/4	3/4	3/4	188,726	3/4	178,396	3/4	168,066	3/4	157,700	3/4	146,993	3/4	132,269	3/4	117,274	3/4	102,272	3/4	87,257
8	8	8	188,511	8	178,181	8	167,850	8	157,484	8	146,729	8	131,956	8	116,962	8	101,959	8	86,944
1/4	1/4	1/4	188,296	1/4	177,966	1/4	167,634	1/4	157,268	1/4	146,450	1/4	131,644	1/4	116,649	1/4	101,646	1/4	86,631
1/2	1/2	1/2	188,081	1/2	177,751	1/2	167,418	1/2	157,053	1/2	146,171	1/2	131,332	1/2	116,337	1/2	101,333	1/2	86,318
3/4	3/4	3/4	187,865	3/4	177,536	3/4	167,202	3/4	156,837	3/4	145,892	3/4	131,019	3/4	116,025	3/4	101,020	3/4	86,006
9	9	9	187,650	9	177,320	9	166,986	9	156,621	9	145,613	9	130,707	9	115,712	9	100,708	9	85,693
1/4	1/4	1/4	187,435	1/4	177,105	1/4	166,771	1/4	156,405	1/4	145,317	1/4	130,394	1/4	115,400	1/4	100,395	1/4	85,380
1/2	1/2	1/2	187,219	1/2	176,890	1/2	166,555	1/2	156,189	1/2	145,022	1/2	130,082	1/2	115,087	1/2	100,082	1/2	85,067
3/4	3/4	3/4	187,004	3/4	176,675	3/4	166,339	3/4	155,973	3/4	144,727	3/4	129,770	3/4	114,775	3/4	99,769	3/4	84,754
10	10	10	186,789	10	176,460	10	166,123	10	155,757	10	144,432	10	129,457	10	114,463	10	99,456	10	84,442
1/4	1/4	1/4	186,574	1/4	176,244	1/4	165,907	1/4	155,541	1/4	144,124	1/4	129,145	1/4	114,150	1/4	99,143	1/4	84,129
1/2	1/2	1/2	186,359	1/2	176,029	1/2	165,691	1/2	155,325	1/2	143,816	1/2	128,833	1/2	113,838	1/2	98,831	1/2	83,816
3/4	3/4	3/4	186,143	3/4	175,814	3/4	165,475	3/4	155,109	3/4	143,509	3/4	128,520	3/4	113,526	3/4	98,518	3/4	83,503
11	11	11	185,928	11	175,599	11	165,259	11	154,893	11	143,201	11	128,208	11	113,213	11	98,205	11	83,190
1/4	1/4	1/4	185,713	1/4	175,384	1/4	165,043	1/4	154,677	1/4	142,889	1/4	127,895	1/4	112,901	1/4	97,892	1/4	82,878
1/2	1/2	1/2	185,498	1/2	175,168	1/2	164,827	1/2	154,461	1/2	142,577	1/2	127,583	1/2	112,588	1/2	97,579	1/2	82,565
3/4	3/4	3/4	185,283	3/4	174,953	3/4	164,611	3/4	154,245	3/4	142,265	3/4	127,271	3/4	112,276	3/4	97,267	3/4	82,252

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED 10'-09" 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 "HFL 3010"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	81,939	0	66,925	0	51,910	0	36,910	0	21,899	0	6,885	0		0					0
1/4	81,626	1/4	66,612	1/4	51,597	1/4	36,598	1/4	21,586	1/4	6,572	1/4		1/4					1/4
1/2	81,314	1/2	66,299	1/2	51,284	1/2	36,286	1/2	21,273	1/2	6,259	1/2		1/2					1/2
3/4	81,001	3/4	65,986	3/4	50,971	3/4	35,973	3/4	20,961	3/4	5,946	3/4		3/4					3/4
1	80,688	1	65,673	1	50,659	1	35,661	1	20,648	1	5,634	1		1					1
1/4	80,375	1/4	65,361	1/4	50,346	1/4	35,348	1/4	20,335	1/4	5,321	1/4		1/4					1/4
1/2	80,062	1/2	65,048	1/2	50,033	1/2	35,036	1/2	20,022	1/2	5,009	1/2		1/2					1/2
3/4	79,750	3/4	64,735	3/4	49,720	3/4	34,723	3/4	19,709	3/4	4,696	3/4		3/4					3/4
2	79,437	2	64,422	2	49,407	2	34,411	2	19,397	2	4,384	2		2					2
1/4	79,124	1/4	64,109	1/4	49,095	1/4	34,098	1/4	19,084	1/4	4,072	1/4		1/4					1/4
1/2	78,811	1/2	63,797	1/2	48,782	1/2	33,785	1/2	18,771	1/2	3,760	1/2		1/2					1/2
3/4	78,498	3/4	63,484	3/4	48,469	3/4	33,472	3/4	18,458	3/4	3,448	3/4		3/4					3/4
3	78,186	3	63,171	3	48,156	3	33,160	3	18,145	3	3,136	3		3					3
1/4	77,873	1/4	62,858	1/4	47,844	1/4	32,847	1/4	17,833	1/4	2,844	1/4		1/4					1/4
1/2	77,560	1/2	62,545	1/2	47,531	1/2	32,534	1/2	17,520	1/2	2,551	1/2		1/2					1/2
3/4	77,247	3/4	62,232	3/4	47,218	3/4	32,221	3/4	17,207	3/4	2,259	3/4		3/4					3/4
4	76,934	4	61,920	4	46,906	4	31,908	4	16,894	4	1,966	4		4					4
1/4	76,622	1/4	61,607	1/4	46,593	1/4	31,596	1/4	16,581	1/4	1,732	1/4		1/4					1/4
1/2	76,309	1/2	61,294	1/2	46,280	1/2	31,283	1/2	16,269	1/2	1,497	1/2		1/2					1/2
3/4	75,996	3/4	60,981	3/4	45,968	3/4	30,970	3/4	15,956	3/4	1,263	3/4		3/4					3/4
5	75,683	5	60,668	5	45,655	5	30,657	5	15,643	5	1,028	5		5					5
1/4	75,370	1/4	60,356	1/4	45,343	1/4	30,344	1/4	15,330	1/4		1/4		1/4					1/4
1/2	75,057	1/2	60,043	1/2	45,031	1/2	30,032	1/2	15,017	1/2		1/2		1/2					1/2
3/4	74,745	3/4	59,730	3/4	44,718	3/4	29,719	3/4	14,705	3/4		3/4		3/4					3/4
6	74,432	6	59,417	6	44,406	6	29,406	6	14,392	6		6		6					6
1/4	74,119	1/4	59,104	1/4	44,093	1/4	29,093	1/4	14,079	1/4		1/4		1/4					1/4
1/2	73,806	1/2	58,792	1/2	43,781	1/2	28,781	1/2	13,766	1/2		1/2		1/2					1/2
3/4	73,493	3/4	58,479	3/4	43,469	3/4	28,468	3/4	13,454	3/4		3/4		3/4					3/4
7	73,181	7	58,166	7	43,156	7	28,155	7	13,141	7		7		7					7
1/4	72,868	1/4	57,853	1/4	42,844	1/4	27,842	1/4	12,828	1/4		1/4		1/4					1/4
1/2	72,555	1/2	57,540	1/2	42,532	1/2	27,529	1/2	12,515	1/2		1/2		1/2					1/2
3/4	72,242	3/4	57,228	3/4	42,220	3/4	27,217	3/4	12,202	3/4		3/4		3/4					3/4
8	71,929	8	56,915	8	41,907	8	26,904	8	11,890	8		8		8					8
1/4	71,617	1/4	56,602	1/4	41,595	1/4	26,591	1/4	11,577	1/4		1/4		1/4					1/4
1/2	71,304	1/2	56,289	1/2	41,283	1/2	26,278	1/2	11,264	1/2		1/2		1/2					1/2
3/4	70,991	3/4	55,976	3/4	40,970	3/4	25,965	3/4	10,951	3/4		3/4		3/4					3/4
9	70,678	9	55,664	9	40,658	9	25,653	9	10,638	9		9		9					9
1/4	70,365	1/4	55,351	1/4	40,346	1/4	25,340	1/4	10,326	1/4		1/4		1/4					1/4
1/2	70,053	1/2	55,038	1/2	40,033	1/2	25,027	1/2	10,013	1/2		1/2		1/2					1/2
3/4	69,740	3/4	54,725	3/4	39,721	3/4	24,714	3/4	9,700	3/4		3/4		3/4					3/4
10	69,427	10	54,412	10	39,409	10	24,401	10	9,387	10		10		10					10
1/4	69,114	1/4	54,100	1/4	39,096	1/4	24,089	1/4	9,074	1/4		1/4		1/4					1/4
1/2	68,801	1/2	53,787	1/2	38,784	1/2	23,776	1/2	8,762	1/2		1/2		1/2					1/2
3/4	68,489	3/4	53,474	3/4	38,472	3/4	23,463	3/4	8,449	3/4		3/4		3/4					3/4
11	68,176	11	53,161	11	38,160	11	23,150	11	8,136	11		11		11					11
1/4	67,863	1/4	52,848	1/4	37,847	1/4	22,837	1/4	7,823	1/4		1/4		1/4					1/4
1/2	67,550	1/2	52,536	1/2	37,535	1/2	22,525	1/2	7,510	1/2		1/2		1/2					1/2
3/4	67,237	3/4	52,223	3/4	37,223	3/4	22,212	3/4	7,198	3/4		3/4		3/4					3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/13/2017 CL  
CALCULATED: 02/14/2017 CL  
PRINTED: 02/14/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

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



# BARGE "HFL 3010"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 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	0	0	183,716	0	173,392	0	163,054	0	152,694	0	140,542	0	125,589	0	110,636	0	95,669
1/4	1/4	1/4	1/4	1/4	183,500	1/4	173,177	1/4	162,838	1/4	152,478	1/4	140,231	1/4	125,277	1/4	110,324	1/4	95,357
1/2	1/2	1/2	1/2	1/2	183,285	1/2	172,962	1/2	162,622	1/2	152,263	1/2	139,919	1/2	124,966	1/2	110,013	1/2	95,045
3/4	3/4	3/4	3/4	3/4	183,070	3/4	172,747	3/4	162,407	3/4	152,047	3/4	139,608	3/4	124,654	3/4	109,701	3/4	94,734
1	1	1	1	1	182,855	1	172,532	1	162,191	1	151,831	1	139,296	1	124,343	1	109,390	1	94,422
1/4	1/4	1/4	1/4	1/4	182,640	1/4	172,317	1/4	161,975	1/4	151,615	1/4	138,985	1/4	124,031	1/4	109,078	1/4	94,110
1/2	1/2	1/2	1/2	1/2	182,425	1/2	172,102	1/2	161,759	1/2	151,399	1/2	138,673	1/2	123,720	1/2	108,766	1/2	93,799
3/4	3/4	3/4	3/4	3/4	191,842	3/4	182,210	3/4	171,887	3/4	161,543	3/4	151,183	3/4	138,362	3/4	123,408	3/4	108,455
2	2	2	2	2	181,995	2	171,671	2	161,327	2	150,968	2	138,050	2	123,097	2	108,143	2	93,175
1/4	1/4	1/4	1/4	1/4	191,595	1/4	181,780	1/4	171,456	1/4	161,112	1/4	150,752	1/4	137,738	1/4	122,785	1/4	107,832
1/2	1/2	1/2	1/2	1/2	191,471	1/2	181,565	1/2	171,241	1/2	160,896	1/2	150,536	1/2	137,427	1/2	122,474	1/2	107,520
3/4	3/4	3/4	3/4	3/4	191,348	3/4	181,350	3/4	171,026	3/4	160,680	3/4	150,320	3/4	137,115	3/4	122,162	3/4	107,208
3	3	3	3	3	181,188	3	170,811	3	160,464	3	150,104	3	136,804	3	121,851	3	106,896	3	91,928
1/4	1/4	1/4	1/4	1/4	191,029	1/4	180,920	1/4	170,596	1/4	160,248	1/4	149,888	1/4	136,492	1/4	121,539	1/4	106,585
1/2	1/2	1/2	1/2	1/2	190,869	1/2	180,704	1/2	170,381	1/2	160,032	1/2	149,673	1/2	136,181	1/2	121,228	1/2	106,273
3/4	3/4	3/4	3/4	3/4	190,710	3/4	180,489	3/4	170,166	3/4	159,817	3/4	149,457	3/4	135,869	3/4	120,916	3/4	105,961
4	4	4	4	4	180,517	4	169,951	4	159,601	4	149,237	4	135,558	4	120,605	4	105,649	4	90,682
1/4	1/4	1/4	1/4	1/4	190,324	1/4	180,059	1/4	169,736	1/4	159,385	1/4	149,018	1/4	135,246	1/4	120,293	1/4	105,337
1/2	1/2	1/2	1/2	1/2	190,131	1/2	179,844	1/2	169,521	1/2	159,169	1/2	148,799	1/2	134,935	1/2	119,981	1/2	105,025
3/4	3/4	3/4	3/4	3/4	189,938	3/4	179,629	3/4	169,306	3/4	158,953	3/4	148,579	3/4	134,623	3/4	119,670	3/4	104,713
5	5	5	5	5	179,727	5	169,091	5	158,737	5	148,348	5	134,312	5	119,358	5	104,401	5	89,435
1/4	1/4	1/4	1/4	1/4	189,515	1/4	179,199	1/4	168,876	1/4	158,522	1/4	148,118	1/4	134,000	1/4	119,047	1/4	104,089
1/2	1/2	1/2	1/2	1/2	189,304	1/2	178,984	1/2	168,660	1/2	158,306	1/2	147,887	1/2	133,689	1/2	118,735	1/2	103,777
3/4	3/4	3/4	3/4	3/4	189,092	3/4	178,769	3/4	168,445	3/4	158,090	3/4	147,656	3/4	133,377	3/4	118,424	3/4	103,466
6	6	6	6	6	188,877	6	178,554	6	168,230	6	157,874	6	147,409	6	133,066	6	118,112	6	103,154
1/4	1/4	1/4	1/4	1/4	188,663	1/4	178,339	1/4	168,015	1/4	157,658	1/4	147,162	1/4	132,754	1/4	117,801	1/4	102,842
1/2	1/2	1/2	1/2	1/2	188,448	1/2	178,124	1/2	167,800	1/2	157,443	1/2	146,915	1/2	132,443	1/2	117,489	1/2	102,530
3/4	3/4	3/4	3/4	3/4	188,233	3/4	177,909	3/4	167,585	3/4	157,227	3/4	146,668	3/4	132,131	3/4	117,178	3/4	102,218
7	7	7	7	7	188,018	7	177,693	7	167,370	7	157,011	7	146,405	7	131,819	7	116,866	7	101,906
1/4	1/4	1/4	1/4	1/4	187,803	1/4	177,478	1/4	167,154	1/4	156,795	1/4	146,142	1/4	131,508	1/4	116,555	1/4	101,594
1/2	1/2	1/2	1/2	1/2	187,588	1/2	177,263	1/2	166,939	1/2	156,579	1/2	145,880	1/2	131,196	1/2	116,243	1/2	101,282
3/4	3/4	3/4	3/4	3/4	187,372	3/4	177,048	3/4	166,723	3/4	156,363	3/4	145,617	3/4	130,885	3/4	115,932	3/4	100,970
8	8	8	8	8	187,157	8	176,833	8	166,507	8	156,148	8	145,338	8	130,573	8	115,620	8	100,658
1/4	1/4	1/4	1/4	1/4	186,942	1/4	176,618	1/4	166,292	1/4	155,932	1/4	145,060	1/4	130,262	1/4	115,309	1/4	100,346
1/2	1/2	1/2	1/2	1/2	186,727	1/2	176,403	1/2	166,076	1/2	155,716	1/2	144,782	1/2	129,950	1/2	114,997	1/2	100,034
3/4	3/4	3/4	3/4	3/4	186,512	3/4	176,188	3/4	165,860	3/4	155,500	3/4	144,503	3/4	129,639	3/4	114,686	3/4	99,722
9	9	9	9	9	186,297	9	175,973	9	165,644	9	155,284	9	144,209	9	129,327	9	114,374	9	99,410
1/4	1/4	1/4	1/4	1/4	186,081	1/4	175,758	1/4	165,428	1/4	155,068	1/4	143,914	1/4	129,016	1/4	114,062	1/4	99,098
1/2	1/2	1/2	1/2	1/2	185,866	1/2	175,543	1/2	165,212	1/2	154,853	1/2	143,620	1/2	128,704	1/2	113,751	1/2	98,786
3/4	3/4	3/4	3/4	3/4	185,651	3/4	175,328	3/4	164,997	3/4	154,637	3/4	143,326	3/4	128,393	3/4	113,439	3/4	98,474
10	10	10	10	10	185,436	10	175,113	10	164,781	10	154,421	10	143,019	10	128,081	10	113,128	10	98,163
1/4	1/4	1/4	1/4	1/4	185,221	1/4	174,898	1/4	164,565	1/4	154,205	1/4	142,712	1/4	127,770	1/4	112,816	1/4	97,851
1/2	1/2	1/2	1/2	1/2	185,006	1/2	174,682	1/2	164,349	1/2	153,989	1/2	142,405	1/2	127,458	1/2	112,505	1/2	97,539
3/4	3/4	3/4	3/4	3/4	184,791	3/4	174,467	3/4	164,133	3/4	153,773	3/4	142,098	3/4	127,147	3/4	112,193	3/4	97,227
11	11	11	11	11	184,576	11	174,252	11	163,917	11	153,558	11	141,787	11	126,835	11	111,882	11	96,916
1/4	1/4	1/4	1/4	1/4	184,361	1/4	174,037	1/4	163,702	1/4	153,342	1/4	141,476	1/4	126,524	1/4	111,570	1/4	96,604
1/2	1/2	1/2	1/2	1/2	184,146	1/2	173,822	1/2	163,486	1/2	153,126	1/2	141,165	1/2	126,212	1/2	111,259	1/2	96,292
3/4	3/4	3/4	3/4	3/4	183,931	3/4	173,607	3/4	163,270	3/4	152,910	3/4	140,853	3/4	125,900	3/4	110,947	3/4	95,980

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED 10'-09" 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 "HFL 3010"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	80,700	0	65,801	0	51,085	0	36,513	0	21,551	0	6,566	0		0					0
1/4	80,388	1/4	65,491	1/4	50,783	1/4	36,205	1/4	21,239	1/4	6,254	1/4		1/4					1/4
1/2	80,076	1/2	65,181	1/2	50,480	1/2	35,897	1/2	20,926	1/2	5,941	1/2		1/2					1/2
3/4	79,764	3/4	64,871	3/4	50,178	3/4	35,590	3/4	20,614	3/4	5,629	3/4		3/4					3/4
1	79,452	1	64,561	1	49,876	1	35,278	1	20,302	1	5,317	1		1					1
1/4	79,140	1/4	64,250	1/4	49,574	1/4	34,966	1/4	19,990	1/4	5,005	1/4		1/4					1/4
1/2	78,828	1/2	63,940	1/2	49,271	1/2	34,655	1/2	19,678	1/2	4,692	1/2		1/2					1/2
3/4	78,516	3/4	63,630	3/4	48,969	3/4	34,343	3/4	19,366	3/4	4,380	3/4		3/4					3/4
2	78,205	2	63,320	2	48,667	2	34,031	2	19,054	2	4,069	2		2					2
1/4	77,894	1/4	63,009	1/4	48,365	1/4	33,719	1/4	18,742	1/4	3,757	1/4		1/4					1/4
1/2	77,583	1/2	62,698	1/2	48,063	1/2	33,407	1/2	18,430	1/2	3,445	1/2		1/2					1/2
3/4	77,272	3/4	62,387	3/4	47,760	3/4	33,095	3/4	18,118	3/4	3,134	3/4		3/4					3/4
3	76,962	3	62,075	3	47,459	3	32,783	3	17,806	3	2,842	3		3					3
1/4	76,652	1/4	61,763	1/4	47,157	1/4	32,471	1/4	17,494	1/4	2,549	1/4		1/4					1/4
1/2	76,342	1/2	61,452	1/2	46,855	1/2	32,159	1/2	17,182	1/2	2,257	1/2		1/2					1/2
3/4	76,032	3/4	61,140	3/4	46,553	3/4	31,847	3/4	16,870	3/4	1,965	3/4		3/4					3/4
4	75,722	4	60,828	4	46,252	4	31,535	4	16,557	4	1,730	4		4					4
1/4	75,412	1/4	60,517	1/4	45,950	1/4	31,223	1/4	16,245	1/4	1,496	1/4		1/4					1/4
1/2	75,102	1/2	60,205	1/2	45,649	1/2	30,911	1/2	15,933	1/2	1,262	1/2		1/2					1/2
3/4	74,792	3/4	59,893	3/4	45,347	3/4	30,599	3/4	15,621	3/4	1,027	3/4		3/4					3/4
5	74,482	5	59,585	5	45,044	5	30,287	5	15,309	5		5		5					5
1/4	74,172	1/4	59,276	1/4	44,741	1/4	29,975	1/4	14,997	1/4		1/4		1/4					1/4
1/2	73,862	1/2	58,968	1/2	44,438	1/2	29,663	1/2	14,685	1/2		1/2		1/2					1/2
3/4	73,552	3/4	58,659	3/4	44,135	3/4	29,351	3/4	14,373	3/4		3/4		3/4					3/4
6	73,242	6	58,354	6	43,830	6	29,039	6	14,061	6		6		6					6
1/4	72,932	1/4	58,048	1/4	43,526	1/4	28,727	1/4	13,749	1/4		1/4		1/4					1/4
1/2	72,622	1/2	57,743	1/2	43,221	1/2	28,415	1/2	13,437	1/2		1/2		1/2					1/2
3/4	72,312	3/4	57,438	3/4	42,916	3/4	28,103	3/4	13,125	3/4		3/4		3/4					3/4
7	72,002	7	57,134	7	42,611	7	27,791	7	12,813	7		7		7					7
1/4	71,691	1/4	56,830	1/4	42,307	1/4	27,479	1/4	12,501	1/4		1/4		1/4					1/4
1/2	71,381	1/2	56,526	1/2	42,002	1/2	27,167	1/2	12,189	1/2		1/2		1/2					1/2
3/4	71,071	3/4	56,222	3/4	41,697	3/4	26,856	3/4	11,876	3/4		3/4		3/4					3/4
8	70,761	8	55,920	8	41,392	8	26,543	8	11,564	8		8		8					8
1/4	70,451	1/4	55,618	1/4	41,088	1/4	26,231	1/4	11,252	1/4		1/4		1/4					1/4
1/2	70,141	1/2	55,316	1/2	40,783	1/2	25,919	1/2	10,940	1/2		1/2		1/2					1/2
3/4	69,831	3/4	55,013	3/4	40,478	3/4	25,607	3/4	10,627	3/4		3/4		3/4					3/4
9	69,521	9	54,711	9	40,173	9	25,295	9	10,315	9		9		9					9
1/4	69,211	1/4	54,409	1/4	39,869	1/4	24,983	1/4	10,002	1/4		1/4		1/4					1/4
1/2	68,901	1/2	54,107	1/2	39,564	1/2	24,671	1/2	9,690	1/2		1/2		1/2					1/2
3/4	68,591	3/4	53,805	3/4	39,259	3/4	24,359	3/4	9,377	3/4		3/4		3/4					3/4
10	68,281	10	53,502	10	38,954	10	24,047	10	9,065	10		10		10					10
1/4	67,971	1/4	53,200	1/4	38,650	1/4	23,735	1/4	8,752	1/4		1/4		1/4					1/4
1/2	67,661	1/2	52,898	1/2	38,345	1/2	23,423	1/2	8,440	1/2		1/2		1/2					1/2
3/4	67,351	3/4	52,596	3/4	38,040	3/4	23,111	3/4	8,127	3/4		3/4		3/4					3/4
11	67,041	11	52,294	11	37,735	11	22,799	11	7,815	11		11		11					11
1/4	66,731	1/4	51,991	1/4	37,431	1/4	22,487	1/4	7,503	1/4		1/4		1/4					1/4
1/2	66,421	1/2	51,689	1/2	37,126	1/2	22,175	1/2	7,190	1/2		1/2		1/2					1/2
3/4	66,111	3/4	51,387	3/4	36,821	3/4	21,863	3/4	6,878	3/4		3/4		3/4					3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/13/2017 CL  
CALCULATED: 02/14/2017 CL  
PRINTED: 02/14/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HFL 3010"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	203,051	0	188,034	0	172,999	0	157,930	0	142,861	0	127,792	0	112,723	0	97,648
1/4		1/4		1/4	202,739	1/4	187,722	1/4	172,685	1/4	157,616	1/4	142,547	1/4	127,478	1/4	112,409	1/4	97,334
1/2		1/2		1/2	202,426	1/2	187,409	1/2	172,371	1/2	157,302	1/2	142,233	1/2	127,164	1/2	112,095	1/2	97,020
3/4		3/4		3/4	202,114	3/4	187,096	3/4	172,057	3/4	156,988	3/4	141,919	3/4	126,850	3/4	111,782	3/4	96,706
1	1	1	1	1	201,801	1	186,783	1	171,743	1	156,674	1	141,605	1	126,536	1	111,468	1	96,392
1/4		1/4		1/4	201,488	1/4	186,470	1/4	171,429	1/4	156,360	1/4	141,291	1/4	126,222	1/4	111,154	1/4	96,078
1/2		1/2		1/2	201,175	1/2	186,157	1/2	171,115	1/2	156,046	1/2	140,977	1/2	125,909	1/2	110,840	1/2	95,763
3/4		3/4		3/4	200,862	3/4	185,844	3/4	170,801	3/4	155,732	3/4	140,663	3/4	125,595	3/4	110,526	3/4	95,449
2	2	2	2	2	200,549	2	185,532	2	170,487	2	155,418	2	140,350	2	125,281	2	110,212	2	95,135
1/4		1/4	214,164	1/4	200,236	1/4	185,219	1/4	170,173	1/4	155,104	1/4	140,036	1/4	124,967	1/4	109,898	1/4	94,821
1/2		1/2	213,985	1/2	199,924	1/2	184,906	1/2	169,859	1/2	154,791	1/2	139,722	1/2	124,653	1/2	109,584	1/2	94,507
3/4		3/4	213,806	3/4	199,611	3/4	184,593	3/4	169,545	3/4	154,477	3/4	139,408	3/4	124,339	3/4	109,269	3/4	94,193
3	3	3	3	3	213,627	3	199,298	3	184,280	3	169,231	3	139,094	3	124,025	3	108,955	3	93,879
1/4		1/4	213,448	1/4	198,985	1/4	183,967	1/4	168,918	1/4	153,849	1/4	138,780	1/4	123,711	1/4	108,641	1/4	93,565
1/2		1/2	213,217	1/2	198,672	1/2	183,654	1/2	168,604	1/2	153,535	1/2	138,466	1/2	123,397	1/2	108,327	1/2	93,251
3/4		3/4	212,985	3/4	198,359	3/4	183,341	3/4	168,290	3/4	153,221	3/4	138,152	3/4	123,083	3/4	108,013	3/4	92,937
4	4	4	4	4	212,754	4	198,046	4	183,029	4	167,976	4	152,907	4	137,838	4	122,769	4	92,623
1/4		1/4	212,523	1/4	197,733	1/4	182,716	1/4	167,662	1/4	152,593	1/4	137,524	1/4	122,455	1/4	107,385	1/4	92,308
1/2		1/2	212,243	1/2	197,421	1/2	182,403	1/2	167,348	1/2	152,279	1/2	137,210	1/2	122,141	1/2	107,071	1/2	91,994
3/4		3/4	211,963	3/4	197,108	3/4	182,090	3/4	167,034	3/4	151,965	3/4	136,896	3/4	121,827	3/4	106,757	3/4	91,680
5	5	5	5	5	211,683	5	196,795	5	181,777	5	166,720	5	151,651	5	136,582	5	121,513	5	106,443
1/4		1/4	211,403	1/4	196,482	1/4	181,464	1/4	166,406	1/4	151,337	1/4	136,268	1/4	121,200	1/4	106,129	1/4	91,052
1/2		1/2	211,097	1/2	196,169	1/2	181,151	1/2	166,092	1/2	151,023	1/2	135,954	1/2	120,886	1/2	105,814	1/2	90,738
3/4		3/4	210,791	3/4	195,856	3/4	180,839	3/4	165,778	3/4	150,709	3/4	135,641	3/4	120,572	3/4	105,500	3/4	90,424
6	6	6	6	6	210,486	6	195,543	6	180,526	6	165,464	6	150,395	6	135,327	6	120,258	6	105,186
1/4		1/4	210,180	1/4	195,230	1/4	180,213	1/4	165,150	1/4	150,081	1/4	135,013	1/4	119,944	1/4	104,872	1/4	89,796
1/2		1/2	209,870	1/2	194,918	1/2	179,900	1/2	164,836	1/2	149,768	1/2	134,699	1/2	119,630	1/2	104,558	1/2	89,482
3/4		3/4	209,561	3/4	194,605	3/4	179,587	3/4	164,522	3/4	149,454	3/4	134,385	3/4	119,316	3/4	104,244	3/4	89,168
7	7	7	7	7	209,252	7	194,292	7	179,274	7	164,209	7	149,140	7	134,071	7	119,002	7	88,853
1/4		1/4	208,942	1/4	193,979	1/4	178,961	1/4	163,895	1/4	148,826	1/4	133,757	1/4	118,688	1/4	103,616	1/4	88,539
1/2		1/2	208,632	1/2	193,666	1/2	178,648	1/2	163,581	1/2	148,512	1/2	133,443	1/2	118,374	1/2	103,302	1/2	88,225
3/4		3/4	208,323	3/4	193,353	3/4	178,334	3/4	163,267	3/4	148,198	3/4	133,129	3/4	118,060	3/4	102,988	3/4	87,911
8	8	8	8	8	208,013	8	193,040	8	178,021	8	162,953	8	147,884	8	132,815	8	117,746	8	87,597
1/4		1/4	207,703	1/4	192,728	1/4	177,708	1/4	162,639	1/4	147,570	1/4	132,501	1/4	117,432	1/4	102,359	1/4	87,283
1/2		1/2	207,393	1/2	192,415	1/2	177,394	1/2	162,325	1/2	147,256	1/2	132,187	1/2	117,118	1/2	102,045	1/2	86,969
3/4		3/4	207,083	3/4	192,102	3/4	177,080	3/4	162,011	3/4	146,942	3/4	131,873	3/4	116,804	3/4	101,731	3/4	86,655
9	9	9	9	9	206,773	9	191,789	9	176,766	9	161,697	9	146,628	9	131,559	9	116,491	9	86,341
1/4		1/4	206,463	1/4	191,476	1/4	176,452	1/4	161,383	1/4	146,314	1/4	131,245	1/4	116,177	1/4	101,103	1/4	86,027
1/2		1/2	206,153	1/2	191,163	1/2	176,138	1/2	161,069	1/2	146,000	1/2	130,932	1/2	115,863	1/2	100,789	1/2	85,713
3/4		3/4	205,843	3/4	190,850	3/4	175,824	3/4	160,755	3/4	145,686	3/4	130,618	3/4	115,549	3/4	100,475	3/4	85,398
10	10	10	10	10	205,534	10	190,537	10	175,510	10	160,441	10	145,372	10	130,304	10	115,235	10	85,084
1/4		1/4	205,224	1/4	190,225	1/4	175,196	1/4	160,127	1/4	145,059	1/4	129,990	1/4	114,921	1/4	99,847	1/4	84,770
1/2		1/2	204,914	1/2	189,912	1/2	174,882	1/2	159,813	1/2	144,745	1/2	129,676	1/2	114,607	1/2	99,533	1/2	84,456
3/4		3/4	204,604	3/4	189,599	3/4	174,568	3/4	159,500	3/4	144,431	3/4	129,362	3/4	114,293	3/4	99,218	3/4	84,142
11	11	11	11	11	204,294	11	189,286	11	174,254	11	159,186	11	144,117	11	129,048	11	113,979	11	83,828
1/4		1/4	203,985	1/4	188,973	1/4	173,940	1/4	158,872	1/4	143,803	1/4	128,734	1/4	113,665	1/4	98,590	1/4	83,514
1/2		1/2	203,673	1/2	188,660	1/2	173,627	1/2	158,558	1/2	143,489	1/2	128,420	1/2	113,351	1/2	98,276	1/2	83,200
3/4		3/4	203,362	3/4	188,347	3/4	173,313	3/4	158,244	3/4	143,175	3/4	128,106	3/4	113,037	3/4	97,962	3/4	82,886

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "HFL 3010"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	82,572	0	67,495	0	52,419	0	37,378	0	22,304	0	7,227	0		0		0		0	
1/4	82,258	1/4	67,181	1/4	52,105	1/4	37,064	1/4	21,990	1/4	6,913	1/4		1/4		1/4		1/4	
1/2	81,943	1/2	66,867	1/2	51,791	1/2	36,750	1/2	21,676	1/2	6,599	1/2		1/2		1/2		1/2	
3/4	81,629	3/4	66,553	3/4	51,477	3/4	36,436	3/4	21,362	3/4	6,285	3/4		3/4		3/4		3/4	
1	81,315	1	66,239	1	51,164	1	36,121	1	21,047	1	5,971	1		1		1		1	
1/4	81,001	1/4	65,925	1/4	50,850	1/4	35,807	1/4	20,733	1/4	5,657	1/4		1/4		1/4		1/4	
1/2	80,687	1/2	65,611	1/2	50,536	1/2	35,493	1/2	20,419	1/2	5,343	1/2		1/2		1/2		1/2	
3/4	80,373	3/4	65,297	3/4	50,223	3/4	35,179	3/4	20,105	3/4	5,029	3/4		3/4		3/4		3/4	
2	80,059	2	64,982	2	49,910	2	34,865	2	19,791	2	4,716	2		2		2		2	
1/4	79,745	1/4	64,668	1/4	49,596	1/4	34,551	1/4	19,477	1/4	4,402	1/4		1/4		1/4		1/4	
1/2	79,431	1/2	64,354	1/2	49,283	1/2	34,237	1/2	19,163	1/2	4,089	1/2		1/2		1/2		1/2	
3/4	79,117	3/4	64,040	3/4	48,970	3/4	33,923	3/4	18,849	3/4	3,776	3/4		3/4		3/4		3/4	
3	78,803	3	63,726	3	48,656	3	33,609	3	18,535	3	3,462	3		3		3		3	
1/4	78,488	1/4	63,412	1/4	48,343	1/4	33,295	1/4	18,221	1/4	3,149	1/4		1/4		1/4		1/4	
1/2	78,174	1/2	63,098	1/2	48,030	1/2	32,981	1/2	17,907	1/2	2,836	1/2		1/2		1/2		1/2	
3/4	77,860	3/4	62,784	3/4	47,717	3/4	32,666	3/4	17,592	3/4	2,522	3/4		3/4		3/4		3/4	
4	77,546	4	62,470	4	47,404	4	32,352	4	17,278	4	2,208	4		4		4		4	
1/4	77,232	1/4	62,156	1/4	47,091	1/4	32,038	1/4	16,964	1/4	1,895	1/4		1/4		1/4		1/4	
1/2	76,918	1/2	61,842	1/2	46,777	1/2	31,724	1/2	16,650	1/2	1,581	1/2		1/2		1/2		1/2	
3/4	76,604	3/4	61,527	3/4	46,464	3/4	31,410	3/4	16,336	3/4	1,267	3/4		3/4		3/4		3/4	
5	76,290	5	61,213	5	46,151	5	31,096	5	16,022	5	1,268	5		5		5		5	
1/4	75,976	1/4	60,899	1/4	45,838	1/4	30,782	1/4	15,708	1/4	1,032	1/4		1/4		1/4		1/4	
1/2	75,662	1/2	60,585	1/2	45,525	1/2	30,468	1/2	15,394	1/2		1/2		1/2		1/2		1/2	
3/4	75,348	3/4	60,271	3/4	45,212	3/4	30,154	3/4	15,080	3/4		3/4		3/4		3/4		3/4	
6	75,033	6	59,957	6	44,898	6	29,840	6	14,766	6		6		6		6		6	
1/4	74,719	1/4	59,643	1/4	44,585	1/4	29,526	1/4	14,452	1/4		1/4		1/4		1/4		1/4	
1/2	74,405	1/2	59,329	1/2	44,272	1/2	29,212	1/2	14,137	1/2		1/2		1/2		1/2		1/2	
3/4	74,091	3/4	59,015	3/4	43,959	3/4	28,898	3/4	13,823	3/4		3/4		3/4		3/4		3/4	
7	73,777	7	58,701	7	43,646	7	28,584	7	13,509	7		7		7		7		7	
1/4	73,463	1/4	58,387	1/4	43,333	1/4	28,270	1/4	13,195	1/4		1/4		1/4		1/4		1/4	
1/2	73,149	1/2	58,072	1/2	43,019	1/2	27,956	1/2	12,881	1/2		1/2		1/2		1/2		1/2	
3/4	72,835	3/4	57,758	3/4	42,706	3/4	27,643	3/4	12,567	3/4		3/4		3/4		3/4		3/4	
8	72,521	8	57,444	8	42,393	8	27,329	8	12,253	8		8		8		8		8	
1/4	72,207	1/4	57,130	1/4	42,080	1/4	27,015	1/4	11,939	1/4		1/4		1/4		1/4		1/4	
1/2	71,893	1/2	56,816	1/2	41,767	1/2	26,701	1/2	11,625	1/2		1/2		1/2		1/2		1/2	
3/4	71,578	3/4	56,502	3/4	41,454	3/4	26,387	3/4	11,311	3/4		3/4		3/4		3/4		3/4	
9	71,264	9	56,188	9	41,140	9	26,073	9	10,997	9		9		9		9		9	
1/4	70,950	1/4	55,874	1/4	40,827	1/4	25,759	1/4	10,682	1/4		1/4		1/4		1/4		1/4	
1/2	70,636	1/2	55,560	1/2	40,514	1/2	25,445	1/2	10,368	1/2		1/2		1/2		1/2		1/2	
3/4	70,322	3/4	55,246	3/4	40,201	3/4	25,131	3/4	10,054	3/4		3/4		3/4		3/4		3/4	
10	70,008	10	54,932	10	39,888	10	24,817	10	9,740	10		10		10		10		10	
1/4	69,694	1/4	54,617	1/4	39,575	1/4	24,502	1/4	9,426	1/4		1/4		1/4		1/4		1/4	
1/2	69,380	1/2	54,303	1/2	39,261	1/2	24,188	1/2	9,112	1/2		1/2		1/2		1/2		1/2	
3/4	69,066	3/4	53,989	3/4	38,947	3/4	23,874	3/4	8,798	3/4		3/4		3/4		3/4		3/4	
11	68,752	11	53,675	11	38,634	11	23,560	11	8,484	11		11		11		11		11	
1/4	68,438	1/4	53,361	1/4	38,320	1/4	23,246	1/4	8,170	1/4		1/4		1/4		1/4		1/4	
1/2	68,123	1/2	53,047	1/2	38,006	1/2	22,932	1/2	7,856	1/2		1/2		1/2		1/2		1/2	
3/4	67,809	3/4	52,733	3/4	37,692	3/4	22,618	3/4	7,542	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/13/2017 CL  
CALCULATED: 02/14/2017 CL  
PRINTED: 02/14/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

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



# BARGE "HFL 3010"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	201,754	0	186,725	0	171,677	0	156,598	0	141,518	0	126,438	0	111,358	0	96,272		
1/4	1/4	1/4	201,441	1/4	186,412	1/4	171,363	1/4	156,284	1/4	141,204	1/4	126,124	1/4	111,044	1/4	95,958		
1/2	1/2	1/2	201,128	1/2	186,099	1/2	171,049	1/2	155,969	1/2	140,890	1/2	125,810	1/2	110,730	1/2	95,643		
3/4	3/4	3/4	200,815	3/4	185,786	3/4	170,735	3/4	155,655	3/4	140,575	3/4	125,496	3/4	110,416	3/4	95,329		
1	1	1	200,501	1	185,473	1	170,421	1	155,341	1	140,261	1	125,181	1	110,102	1	95,015		
1/4	1/4	1/4	200,188	1/4	185,160	1/4	170,107	1/4	155,027	1/4	139,947	1/4	124,867	1/4	109,787	1/4	94,700		
1/2	1/2	1/2	199,875	1/2	184,847	1/2	169,792	1/2	154,713	1/2	139,633	1/2	124,553	1/2	109,473	1/2	94,386		
3/4	3/4	3/4	199,562	3/4	184,534	3/4	169,478	3/4	154,399	3/4	139,319	3/4	124,239	3/4	109,159	3/4	94,072		
2	2	2	213,187	2	199,249	2	184,220	2	169,164	2	154,084	2	139,005	2	123,925	2	108,845	2	93,757
1/4	1/4	1/4	213,008	1/4	198,936	1/4	183,907	1/4	168,850	1/4	153,770	1/4	138,690	1/4	123,611	1/4	108,530	1/4	93,443
1/2	1/2	1/2	212,829	1/2	198,623	1/2	183,594	1/2	168,536	1/2	153,456	1/2	138,376	1/2	123,297	1/2	108,216	1/2	93,129
3/4	3/4	3/4	212,650	3/4	198,310	3/4	183,281	3/4	168,222	3/4	153,142	3/4	138,062	3/4	122,982	3/4	107,902	3/4	92,814
3	3	3	212,470	3	197,997	3	182,968	3	167,908	3	152,828	3	137,748	3	122,668	3	107,587	3	92,500
1/4	1/4	1/4	212,239	1/4	197,684	1/4	182,655	1/4	167,593	1/4	152,514	1/4	137,434	1/4	122,354	1/4	107,273	1/4	92,186
1/2	1/2	1/2	212,007	1/2	197,371	1/2	182,342	1/2	167,279	1/2	152,199	1/2	137,120	1/2	122,040	1/2	106,959	1/2	91,871
3/4	3/4	3/4	211,776	3/4	197,057	3/4	182,029	3/4	166,965	3/4	151,885	3/4	136,805	3/4	121,726	3/4	106,644	3/4	91,557
4	4	4	211,544	4	196,744	4	181,716	4	166,651	4	151,571	4	136,491	4	121,412	4	106,330	4	91,243
1/4	1/4	1/4	211,264	1/4	196,431	1/4	181,403	1/4	166,337	1/4	151,257	1/4	136,177	1/4	121,097	1/4	106,016	1/4	90,928
1/2	1/2	1/2	210,984	1/2	196,118	1/2	181,090	1/2	166,023	1/2	150,943	1/2	135,863	1/2	120,783	1/2	105,702	1/2	90,614
3/4	3/4	3/4	210,704	3/4	195,805	3/4	180,776	3/4	165,708	3/4	150,629	3/4	135,549	3/4	120,469	3/4	105,387	3/4	90,300
5	5	5	210,424	5	195,492	5	180,463	5	165,394	5	150,314	5	135,235	5	120,155	5	105,073	5	89,986
1/4	1/4	1/4	210,118	1/4	195,179	1/4	180,150	1/4	165,080	1/4	150,000	1/4	134,921	1/4	119,841	1/4	104,759	1/4	89,671
1/2	1/2	1/2	209,812	1/2	194,866	1/2	179,837	1/2	164,766	1/2	149,686	1/2	134,606	1/2	119,527	1/2	104,444	1/2	89,357
3/4	3/4	3/4	209,506	3/4	194,553	3/4	179,524	3/4	164,452	3/4	149,372	3/4	134,292	3/4	119,212	3/4	104,130	3/4	89,043
6	6	6	209,200	6	194,240	6	179,211	6	164,138	6	149,058	6	133,978	6	118,898	6	103,816	6	88,728
1/4	1/4	1/4	208,890	1/4	193,926	1/4	178,898	1/4	163,823	1/4	148,744	1/4	133,664	1/4	118,584	1/4	103,501	1/4	88,414
1/2	1/2	1/2	208,580	1/2	193,613	1/2	178,585	1/2	163,509	1/2	148,429	1/2	133,350	1/2	118,270	1/2	103,187	1/2	88,100
3/4	3/4	3/4	208,271	3/4	193,300	3/4	178,272	3/4	163,195	3/4	148,115	3/4	133,036	3/4	117,956	3/4	102,873	3/4	87,785
7	7	7	207,961	7	192,987	7	177,959	7	162,881	7	147,801	7	132,721	7	117,642	7	102,558	7	87,471
1/4	1/4	1/4	207,651	1/4	192,674	1/4	177,645	1/4	162,567	1/4	147,487	1/4	132,407	1/4	117,327	1/4	102,244	1/4	87,157
1/2	1/2	1/2	207,341	1/2	192,361	1/2	177,331	1/2	162,253	1/2	147,173	1/2	132,093	1/2	117,013	1/2	101,930	1/2	86,842
3/4	3/4	3/4	207,031	3/4	192,048	3/4	177,018	3/4	161,938	3/4	146,859	3/4	131,779	3/4	116,699	3/4	101,615	3/4	86,528
8	8	8	206,721	8	191,735	8	176,704	8	161,624	8	146,544	8	131,465	8	116,385	8	101,301	8	86,214
1/4	1/4	1/4	206,411	1/4	191,422	1/4	176,390	1/4	161,310	1/4	146,230	1/4	131,151	1/4	116,071	1/4	100,987	1/4	85,899
1/2	1/2	1/2	206,101	1/2	191,109	1/2	176,076	1/2	160,996	1/2	145,916	1/2	130,836	1/2	115,757	1/2	100,672	1/2	85,585
3/4	3/4	3/4	205,790	3/4	190,796	3/4	175,762	3/4	160,682	3/4	145,602	3/4	130,522	3/4	115,442	3/4	100,358	3/4	85,271
9	9	9	205,480	9	190,482	9	175,447	9	160,368	9	145,288	9	130,208	9	115,128	9	100,044	9	84,956
1/4	1/4	1/4	205,170	1/4	190,169	1/4	175,133	1/4	160,053	1/4	144,974	1/4	129,894	1/4	114,814	1/4	99,729	1/4	84,642
1/2	1/2	1/2	204,860	1/2	189,856	1/2	174,819	1/2	159,739	1/2	144,660	1/2	129,580	1/2	114,500	1/2	99,415	1/2	84,328
3/4	3/4	3/4	204,550	3/4	189,543	3/4	174,505	3/4	159,425	3/4	144,345	3/4	129,266	3/4	114,186	3/4	99,101	3/4	84,013
10	10	10	204,240	10	189,230	10	174,191	10	159,111	10	144,031	10	128,951	10	113,872	10	98,786	10	83,699
1/4	1/4	1/4	203,930	1/4	188,917	1/4	173,877	1/4	158,797	1/4	143,717	1/4	128,637	1/4	113,557	1/4	98,472	1/4	83,385
1/2	1/2	1/2	203,620	1/2	188,604	1/2	173,562	1/2	158,483	1/2	143,403	1/2	128,323	1/2	113,243	1/2	98,158	1/2	83,070
3/4	3/4	3/4	203,310	3/4	188,291	3/4	173,248	3/4	158,168	3/4	143,089	3/4	128,009	3/4	112,929	3/4	97,844	3/4	82,756
11	11	11	203,000	11	187,978	11	172,934	11	157,854	11	142,775	11	127,695	11	112,615	11	97,529	11	82,442
1/4	1/4	1/4	202,688	1/4	187,665	1/4	172,620	1/4	157,540	1/4	142,460	1/4	127,381	1/4	112,301	1/4	97,215	1/4	82,128
1/2	1/2	1/2	202,377	1/2	187,351	1/2	172,306	1/2	157,226	1/2	142,146	1/2	127,066	1/2	111,987	1/2	96,901	1/2	81,813
3/4	3/4	3/4	202,065	3/4	187,038	3/4	171,992	3/4	156,912	3/4	141,832	3/4	126,752	3/4	111,673	3/4	96,586	3/4	81,499

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
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 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
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 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD

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 Pearland, Texas 77588  
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# BARGE "HFL 3010"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	81,185	0	66,097	0	51,552	0	37,066	0	22,005	0	6,918	0		0		0		0	
1/4	80,870	1/4	65,789	1/4	51,250	1/4	36,758	1/4	21,691	1/4	6,604	1/4		1/4		1/4		1/4	
1/2	80,556	1/2	65,480	1/2	50,948	1/2	36,449	1/2	21,376	1/2	6,289	1/2		1/2		1/2		1/2	
3/4	80,242	3/4	65,172	3/4	50,645	3/4	36,141	3/4	21,062	3/4	5,975	3/4		3/4		3/4		3/4	
1	79,927	1	64,864	1	50,343	1	35,832	1	20,748	1	5,661	1		1		1		1	
1/4	79,613	1/4	64,561	1/4	50,041	1/4	35,518	1/4	20,433	1/4	5,347	1/4		1/4		1/4		1/4	
1/2	79,299	1/2	64,258	1/2	49,740	1/2	35,204	1/2	20,119	1/2	5,033	1/2		1/2		1/2		1/2	
3/4	78,984	3/4	63,956	3/4	49,438	3/4	34,889	3/4	19,805	3/4	4,719	3/4		3/4		3/4		3/4	
2	78,670	2	63,653	2	49,136	2	34,575	2	19,490	2	4,405	2		2		2		2	
1/4	78,356	1/4	63,351	1/4	48,834	1/4	34,261	1/4	19,176	1/4	4,091	1/4		1/4		1/4		1/4	
1/2	78,041	1/2	63,048	1/2	48,532	1/2	33,946	1/2	18,862	1/2	3,778	1/2		1/2		1/2		1/2	
3/4	77,727	3/4	62,746	3/4	48,231	3/4	33,632	3/4	18,547	3/4	3,465	3/4		3/4		3/4		3/4	
3	77,413	3	62,443	3	47,929	3	33,318	3	18,233	3	3,151	3		3		3		3	
1/4	77,098	1/4	62,141	1/4	47,627	1/4	33,003	1/4	17,919	1/4	2,857	1/4		1/4		1/4		1/4	
1/2	76,784	1/2	61,838	1/2	47,326	1/2	32,689	1/2	17,605	1/2	2,564	1/2		1/2		1/2		1/2	
3/4	76,470	3/4	61,536	3/4	47,024	3/4	32,375	3/4	17,290	3/4	2,270	3/4		3/4		3/4		3/4	
4	76,155	4	61,233	4	46,723	4	32,061	4	16,976	4	1,976	4		4		4		4	
1/4	75,841	1/4	60,931	1/4	46,421	1/4	31,746	1/4	16,662	1/4	1,740	1/4		1/4		1/4		1/4	
1/2	75,527	1/2	60,628	1/2	46,119	1/2	31,432	1/2	16,347	1/2	1,504	1/2		1/2		1/2		1/2	
3/4	75,213	3/4	60,325	3/4	45,818	3/4	31,118	3/4	16,033	3/4	1,269	3/4		3/4		3/4		3/4	
5	74,898	5	60,023	5	45,516	5	30,803	5	15,719	5	1,033	5		5		5		5	
1/4	74,584	1/4	59,720	1/4	45,215	1/4	30,489	1/4	15,404	1/4		1/4		1/4		1/4		1/4	
1/2	74,270	1/2	59,418	1/2	44,913	1/2	30,175	1/2	15,090	1/2		1/2		1/2		1/2		1/2	
3/4	73,955	3/4	59,115	3/4	44,611	3/4	29,861	3/4	14,776	3/4		3/4		3/4		3/4		3/4	
6	73,641	6	58,813	6	44,310	6	29,546	6	14,461	6		6		6		6		6	
1/4	73,327	1/4	58,510	1/4	44,008	1/4	29,232	1/4	14,147	1/4		1/4		1/4		1/4		1/4	
1/2	73,012	1/2	58,208	1/2	43,707	1/2	28,918	1/2	13,833	1/2		1/2		1/2		1/2		1/2	
3/4	72,698	3/4	57,905	3/4	43,405	3/4	28,604	3/4	13,519	3/4		3/4		3/4		3/4		3/4	
7	72,384	7	57,603	7	43,103	7	28,290	7	13,204	7		7		7		7		7	
1/4	72,069	1/4	57,300	1/4	42,802	1/4	27,976	1/4	12,890	1/4		1/4		1/4		1/4		1/4	
1/2	71,755	1/2	56,998	1/2	42,500	1/2	27,662	1/2	12,576	1/2		1/2		1/2		1/2		1/2	
3/4	71,441	3/4	56,695	3/4	42,199	3/4	27,348	3/4	12,261	3/4		3/4		3/4		3/4		3/4	
8	71,126	8	56,392	8	41,897	8	27,034	8	11,947	8		8		8		8		8	
1/4	70,812	1/4	56,090	1/4	41,595	1/4	26,719	1/4	11,633	1/4		1/4		1/4		1/4		1/4	
1/2	70,498	1/2	55,787	1/2	41,294	1/2	26,405	1/2	11,318	1/2		1/2		1/2		1/2		1/2	
3/4	70,183	3/4	55,485	3/4	40,992	3/4	26,091	3/4	11,004	3/4		3/4		3/4		3/4		3/4	
9	69,869	9	55,182	9	40,691	9	25,777	9	10,690	9		9		9		9		9	
1/4	69,555	1/4	54,880	1/4	40,389	1/4	25,462	1/4	10,375	1/4		1/4		1/4		1/4		1/4	
1/2	69,240	1/2	54,577	1/2	40,087	1/2	25,148	1/2	10,061	1/2		1/2		1/2		1/2		1/2	
3/4	68,926	3/4	54,275	3/4	39,786	3/4	24,834	3/4	9,747	3/4		3/4		3/4		3/4		3/4	
10	68,612	10	53,972	10	39,484	10	24,519	10	9,432	10		10		10		10		10	
1/4	68,297	1/4	53,670	1/4	39,182	1/4	24,205	1/4	9,118	1/4		1/4		1/4		1/4		1/4	
1/2	67,983	1/2	53,367	1/2	38,880	1/2	23,891	1/2	8,804	1/2		1/2		1/2		1/2		1/2	
3/4	67,669	3/4	53,065	3/4	38,578	3/4	23,576	3/4	8,490	3/4		3/4		3/4		3/4		3/4	
11	67,355	11	52,762	11	38,276	11	23,262	11	8,175	11		11		11		11		11	
1/4	67,040	1/4	52,460	1/4	37,974	1/4	22,948	1/4	7,861	1/4		1/4		1/4		1/4		1/4	
1/2	66,726	1/2	52,157	1/2	37,671	1/2	22,634	1/2	7,547	1/2		1/2		1/2		1/2		1/2	
3/4	66,412	3/4	51,854	3/4	37,368	3/4	22,319	3/4	7,232	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/13/2017 CL  
CALCULATED: 02/14/2017 CL  
PRINTED: 02/14/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "HFL 3010"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	200,007	0	185,026	0	170,028	0	155,002	0	139,976	0	124,950	0	109,924	0	94,893
1/4	1/4	1/4	1/4	1/4	199,696	1/4	184,713	1/4	169,715	1/4	154,689	1/4	139,663	1/4	124,637	1/4	109,611	1/4	94,580
1/2	1/2	1/2	1/2	1/2	199,383	1/2	184,401	1/2	169,402	1/2	154,376	1/2	139,350	1/2	124,324	1/2	109,298	1/2	94,266
3/4	3/4	3/4	3/4	3/4	199,071	3/4	184,089	3/4	169,089	3/4	154,063	3/4	139,037	3/4	124,011	3/4	108,985	3/4	93,953
1	1	1	1	1	198,759	1	183,777	1	168,776	1	153,750	1	138,724	1	123,698	1	108,672	1	93,640
1/4	1/4	1/4	1/4	1/4	198,447	1/4	183,465	1/4	168,463	1/4	153,437	1/4	138,411	1/4	123,385	1/4	108,359	1/4	93,327
1/2	1/2	1/2	1/2	1/2	198,135	1/2	183,153	1/2	168,150	1/2	153,124	1/2	138,097	1/2	123,072	1/2	108,046	1/2	93,014
3/4	3/4	3/4	3/4	3/4	197,823	3/4	182,841	3/4	167,837	3/4	152,810	3/4	137,784	3/4	122,759	3/4	107,733	3/4	92,701
2	2	2	2	2	197,511	2	182,528	2	167,523	2	152,497	2	137,471	2	122,446	2	107,420	2	92,387
1/4	1/4	1/4	1/4	1/4	211,130	1/4	197,199	1/4	182,216	1/4	167,210	1/4	152,184	1/4	137,158	1/4	122,133	1/4	92,074
1/2	1/2	1/2	1/2	1/2	210,950	1/2	196,886	1/2	181,904	1/2	166,897	1/2	151,871	1/2	136,845	1/2	121,820	1/2	91,761
3/4	3/4	3/4	3/4	3/4	210,770	3/4	196,574	3/4	181,592	3/4	166,584	3/4	151,558	3/4	136,532	3/4	121,507	3/4	91,448
3	3	3	3	3	210,591	3	196,262	3	181,280	3	166,271	3	151,245	3	136,219	3	121,193	3	91,135
1/4	1/4	1/4	1/4	1/4	210,411	1/4	195,950	1/4	180,968	1/4	165,958	1/4	150,932	1/4	135,906	1/4	120,880	1/4	90,822
1/2	1/2	1/2	1/2	1/2	210,179	1/2	195,638	1/2	180,656	1/2	165,645	1/2	150,619	1/2	135,593	1/2	120,567	1/2	90,508
3/4	3/4	3/4	3/4	3/4	209,947	3/4	195,326	3/4	180,344	3/4	165,332	3/4	150,306	3/4	135,280	3/4	120,254	3/4	90,195
4	4	4	4	4	209,716	4	195,014	4	180,031	4	165,019	4	149,993	4	134,967	4	119,941	4	89,882
1/4	1/4	1/4	1/4	1/4	209,484	1/4	194,702	1/4	179,719	1/4	164,706	1/4	149,680	1/4	134,654	1/4	119,628	1/4	89,569
1/2	1/2	1/2	1/2	1/2	209,204	1/2	194,389	1/2	179,407	1/2	164,393	1/2	149,367	1/2	134,341	1/2	119,315	1/2	89,256
3/4	3/4	3/4	3/4	3/4	208,923	3/4	194,077	3/4	179,095	3/4	164,080	3/4	149,054	3/4	134,028	3/4	119,002	3/4	88,943
5	5	5	5	5	208,643	5	193,765	5	178,783	5	163,767	5	148,741	5	133,715	5	118,689	5	88,629
1/4	1/4	1/4	1/4	1/4	208,363	1/4	193,453	1/4	178,471	1/4	163,454	1/4	148,428	1/4	133,402	1/4	118,376	1/4	88,316
1/2	1/2	1/2	1/2	1/2	208,057	1/2	193,141	1/2	178,159	1/2	163,141	1/2	148,115	1/2	133,089	1/2	118,063	1/2	88,003
3/4	3/4	3/4	3/4	3/4	207,751	3/4	192,829	3/4	177,847	3/4	162,828	3/4	147,802	3/4	132,776	3/4	117,750	3/4	87,690
6	6	6	6	6	207,445	6	192,517	6	177,534	6	162,515	6	147,489	6	132,463	6	117,437	6	87,377
1/4	1/4	1/4	1/4	1/4	207,139	1/4	192,204	1/4	177,222	1/4	162,202	1/4	147,176	1/4	132,150	1/4	117,124	1/4	87,064
1/2	1/2	1/2	1/2	1/2	206,829	1/2	191,892	1/2	176,910	1/2	161,889	1/2	146,863	1/2	131,837	1/2	116,811	1/2	86,750
3/4	3/4	3/4	3/4	3/4	206,520	3/4	191,580	3/4	176,598	3/4	161,576	3/4	146,550	3/4	131,524	3/4	116,498	3/4	86,437
7	7	7	7	7	206,210	7	191,268	7	176,286	7	161,263	7	146,237	7	131,211	7	116,185	7	86,124
1/4	1/4	1/4	1/4	1/4	205,901	1/4	190,956	1/4	175,974	1/4	160,950	1/4	145,924	1/4	130,898	1/4	115,872	1/4	85,811
1/2	1/2	1/2	1/2	1/2	205,591	1/2	190,644	1/2	175,661	1/2	160,637	1/2	145,611	1/2	130,585	1/2	115,559	1/2	85,498
3/4	3/4	3/4	3/4	3/4	205,281	3/4	190,332	3/4	175,349	3/4	160,323	3/4	145,297	3/4	130,272	3/4	115,246	3/4	85,184
8	8	8	8	8	204,970	8	190,020	8	175,036	8	160,010	8	144,984	8	129,959	8	114,933	8	84,871
1/4	1/4	1/4	1/4	1/4	204,660	1/4	189,707	1/4	174,723	1/4	159,697	1/4	144,671	1/4	129,645	1/4	114,620	1/4	84,558
1/2	1/2	1/2	1/2	1/2	204,350	1/2	189,395	1/2	174,410	1/2	159,384	1/2	144,358	1/2	129,332	1/2	114,307	1/2	84,245
3/4	3/4	3/4	3/4	3/4	204,040	3/4	189,083	3/4	174,097	3/4	159,071	3/4	144,045	3/4	129,019	3/4	113,994	3/4	83,932
9	9	9	9	9	203,730	9	188,771	9	173,784	9	158,758	9	143,732	9	128,706	9	113,681	9	83,619
1/4	1/4	1/4	1/4	1/4	203,420	1/4	188,459	1/4	173,471	1/4	158,445	1/4	143,419	1/4	128,393	1/4	113,368	1/4	83,305
1/2	1/2	1/2	1/2	1/2	203,110	1/2	188,147	1/2	173,158	1/2	158,132	1/2	143,106	1/2	128,080	1/2	113,055	1/2	82,992
3/4	3/4	3/4	3/4	3/4	202,800	3/4	187,835	3/4	172,845	3/4	157,819	3/4	142,793	3/4	127,767	3/4	112,741	3/4	82,679
10	10	10	10	10	202,490	10	187,523	10	172,532	10	157,506	10	142,480	10	127,454	10	112,428	10	82,366
1/4	1/4	1/4	1/4	1/4	202,180	1/4	187,210	1/4	172,219	1/4	157,193	1/4	142,167	1/4	127,141	1/4	112,115	1/4	82,053
1/2	1/2	1/2	1/2	1/2	201,870	1/2	186,898	1/2	171,906	1/2	156,880	1/2	141,854	1/2	126,828	1/2	111,802	1/2	81,740
3/4	3/4	3/4	3/4	3/4	201,560	3/4	186,586	3/4	171,593	3/4	156,567	3/4	141,541	3/4	126,515	3/4	111,489	3/4	81,426
11	11	11	11	11	201,250	11	186,274	11	171,280	11	156,254	11	141,228	11	126,202	11	111,176	11	81,113
1/4	1/4	1/4	1/4	1/4	200,940	1/4	185,962	1/4	170,967	1/4	155,941	1/4	140,915	1/4	125,889	1/4	110,863	1/4	80,800
1/2	1/2	1/2	1/2	1/2	200,629	1/2	185,650	1/2	170,654	1/2	155,628	1/2	140,602	1/2	125,576	1/2	110,550	1/2	80,487
3/4	3/4	3/4	3/4	3/4	200,318	3/4	185,338	3/4	170,341	3/4	155,315	3/4	140,289	3/4	125,263	3/4	110,237	3/4	80,174

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HFL 3010"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	79,861	0	64,828	0	49,803	0	34,772	0	19,740	0	5,521	0		0		0		0	
1/4	79,547	1/4	64,515	1/4	49,490	1/4	34,458	1/4	19,427	1/4	5,247	1/4		1/4		1/4		1/4	
1/2	79,234	1/2	64,202	1/2	49,177	1/2	34,145	1/2	19,113	1/2	4,976	1/2		1/2		1/2		1/2	
3/4	78,921	3/4	63,889	3/4	48,864	3/4	33,832	3/4	18,800	3/4	4,705	3/4		3/4		3/4		3/4	
1	78,608	1	63,576	1	48,551	1	33,519	1	18,487	1	4,435	1		1		1		1	
1/4	78,295	1/4	63,262	1/4	48,238	1/4	33,206	1/4	18,174	1/4	4,164	1/4		1/4		1/4		1/4	
1/2	77,982	1/2	62,949	1/2	47,924	1/2	32,893	1/2	17,862	1/2	3,897	1/2		1/2		1/2		1/2	
3/4	77,668	3/4	62,636	3/4	47,611	3/4	32,579	3/4	17,550	3/4	3,631	3/4		3/4		3/4		3/4	
2	77,355	2	62,323	2	47,298	2	32,266	2	17,237	2	3,364	2		2		2		2	
1/4	77,042	1/4	62,010	1/4	46,985	1/4	31,953	1/4	16,925	1/4	3,097	1/4		1/4		1/4		1/4	
1/2	76,729	1/2	61,697	1/2	46,672	1/2	31,640	1/2	16,616	1/2	2,835	1/2		1/2		1/2		1/2	
3/4	76,416	3/4	61,384	3/4	46,359	3/4	31,327	3/4	16,307	3/4	2,573	3/4		3/4		3/4		3/4	
3	76,102	3	61,071	3	46,045	3	31,014	3	15,997	3	2,311	3		3		3		3	
1/4	75,789	1/4	60,758	1/4	45,732	1/4	30,700	1/4	15,688	1/4	2,049	1/4		1/4		1/4		1/4	
1/2	75,476	1/2	60,445	1/2	45,419	1/2	30,387	1/2	15,382	1/2	1,810	1/2		1/2		1/2		1/2	
3/4	75,163	3/4	60,132	3/4	45,106	3/4	30,074	3/4	15,077	3/4	1,571	3/4		3/4		3/4		3/4	
4	74,850	4	59,819	4	44,793	4	29,761	4	14,772	4	1,332	4		4		4		4	
1/4	74,537	1/4	59,506	1/4	44,480	1/4	29,448	1/4	14,466	1/4	1,094	1/4		1/4		1/4		1/4	
1/2	74,223	1/2	59,193	1/2	44,166	1/2	29,135	1/2	14,165	1/2	917	1/2		1/2		1/2		1/2	
3/4	73,910	3/4	58,880	3/4	43,853	3/4	28,822	3/4	13,863	3/4	740	3/4		3/4		3/4		3/4	
5	73,597	5	58,567	5	43,540	5	28,508	5	13,561	5	563	5		5		5		5	
1/4	73,284	1/4	58,254	1/4	43,227	1/4	28,195	1/4	13,260	1/4	386	1/4		1/4		1/4		1/4	
1/2	72,971	1/2	57,941	1/2	42,914	1/2	27,882	1/2	12,962	1/2		1/2		1/2		1/2		1/2	
3/4	72,658	3/4	57,629	3/4	42,601	3/4	27,569	3/4	12,664	3/4		3/4		3/4		3/4		3/4	
6	72,344	6	57,316	6	42,288	6	27,256	6	12,367	6		6		6		6		6	
1/4	72,031	1/4	57,003	1/4	41,974	1/4	26,943	1/4	12,069	1/4		1/4		1/4		1/4		1/4	
1/2	71,718	1/2	56,690	1/2	41,661	1/2	26,629	1/2	11,775	1/2		1/2		1/2		1/2		1/2	
3/4	71,405	3/4	56,377	3/4	41,348	3/4	26,316	3/4	11,481	3/4		3/4		3/4		3/4		3/4	
7	71,092	7	56,064	7	41,035	7	26,003	7	11,187	7		7		7		7		7	
1/4	70,779	1/4	55,751	1/4	40,722	1/4	25,690	1/4	10,893	1/4		1/4		1/4		1/4		1/4	
1/2	70,465	1/2	55,438	1/2	40,409	1/2	25,377	1/2	10,603	1/2		1/2		1/2		1/2		1/2	
3/4	70,152	3/4	55,125	3/4	40,095	3/4	25,064	3/4	10,313	3/4		3/4		3/4		3/4		3/4	
8	69,839	8	54,812	8	39,782	8	24,750	8	10,023	8		8		8		8		8	
1/4	69,526	1/4	54,499	1/4	39,469	1/4	24,437	1/4	9,733	1/4		1/4		1/4		1/4		1/4	
1/2	69,213	1/2	54,186	1/2	39,156	1/2	24,124	1/2	9,447	1/2		1/2		1/2		1/2		1/2	
3/4	68,900	3/4	53,873	3/4	38,843	3/4	23,811	3/4	9,161	3/4		3/4		3/4		3/4		3/4	
9	68,586	9	53,560	9	38,530	9	23,498	9	8,875	9		9		9		9		9	
1/4	68,273	1/4	53,247	1/4	38,216	1/4	23,185	1/4	8,588	1/4		1/4		1/4		1/4		1/4	
1/2	67,960	1/2	52,934	1/2	37,903	1/2	22,871	1/2	8,306	1/2		1/2		1/2		1/2		1/2	
3/4	67,647	3/4	52,621	3/4	37,590	3/4	22,558	3/4	8,024	3/4		3/4		3/4		3/4		3/4	
10	67,334	10	52,308	10	37,277	10	22,245	10	7,741	10		10		10		10		10	
1/4	67,020	1/4	51,995	1/4	36,964	1/4	21,932	1/4	7,459	1/4		1/4		1/4		1/4		1/4	
1/2	66,707	1/2	51,682	1/2	36,651	1/2	21,619	1/2	7,181	1/2		1/2		1/2		1/2		1/2	
3/4	66,394	3/4	51,369	3/4	36,337	3/4	21,306	3/4	6,902	3/4		3/4		3/4		3/4		3/4	
11	66,081	11	51,056	11	36,024	11	20,992	11	6,624	11		11		11		11		11	
1/4	65,768	1/4	50,743	1/4	35,711	1/4	20,679	1/4	6,345	1/4		1/4		1/4		1/4		1/4	
1/2	65,455	1/2	50,430	1/2	35,398	1/2	20,366	1/2	6,071	1/2		1/2		1/2		1/2		1/2	
3/4	65,141	3/4	50,117	3/4	35,085	3/4	20,053	3/4	5,796	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/13/2017 CL  
CALCULATED: 02/14/2017 CL  
PRINTED: 02/14/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

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



# BARGE "HFL 3010"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	199,247	0	184,291	0	169,319	0	154,320	0	139,320	0	124,321	0	109,321	0	94,316		
1/4	1/4	1/4	198,935	1/4	183,979	1/4	169,006	1/4	154,007	1/4	139,008	1/4	124,008	1/4	109,009	1/4	94,004		
1/2	1/2	1/2	198,623	1/2	183,668	1/2	168,694	1/2	153,695	1/2	138,695	1/2	123,696	1/2	108,696	1/2	93,691		
3/4	3/4	3/4	198,312	3/4	183,356	3/4	168,382	3/4	153,382	3/4	138,383	3/4	123,383	3/4	108,384	3/4	93,378		
1	1	1	198,000	1	183,045	1	168,069	1	153,070	1	138,070	1	123,071	1	108,071	1	93,066		
1/4	1/4	1/4	197,689	1/4	182,733	1/4	167,757	1/4	152,757	1/4	137,758	1/4	122,758	1/4	107,759	1/4	92,753		
1/2	1/2	1/2	197,377	1/2	182,422	1/2	167,444	1/2	152,445	1/2	137,445	1/2	122,446	1/2	107,446	1/2	92,441		
3/4	3/4	3/4	197,066	3/4	182,110	3/4	167,132	3/4	152,132	3/4	137,133	3/4	122,133	3/4	107,134	3/4	92,128		
2	2	2	210,660	2	196,754	2	181,798	2	166,819	2	151,820	2	136,820	2	121,821	2	106,821	2	91,815
1/4	1/4	1/4	210,481	1/4	196,442	1/4	181,487	1/4	166,507	1/4	151,507	1/4	136,508	1/4	121,508	1/4	106,509	1/4	91,503
1/2	1/2	1/2	210,302	1/2	196,131	1/2	181,175	1/2	166,194	1/2	151,195	1/2	136,195	1/2	121,196	1/2	106,196	1/2	91,190
3/4	3/4	3/4	210,122	3/4	195,819	3/4	180,864	3/4	165,882	3/4	150,882	3/4	135,883	3/4	120,883	3/4	105,883	3/4	90,878
3	3	3	209,943	3	195,508	3	180,552	3	165,569	3	150,570	3	135,570	3	120,571	3	105,571	3	90,565
1/4	1/4	1/4	209,712	1/4	195,196	1/4	180,241	1/4	165,257	1/4	150,257	1/4	135,258	1/4	120,258	1/4	105,258	1/4	90,252
1/2	1/2	1/2	209,480	1/2	194,885	1/2	179,929	1/2	164,944	1/2	149,945	1/2	134,945	1/2	119,946	1/2	104,946	1/2	89,940
3/4	3/4	3/4	209,249	3/4	194,573	3/4	179,617	3/4	164,632	3/4	149,632	3/4	134,633	3/4	119,634	3/4	104,633	3/4	89,627
4	4	4	209,017	4	194,261	4	179,306	4	164,319	4	149,320	4	134,320	4	119,321	4	104,320	4	89,314
1/4	1/4	1/4	208,738	1/4	193,950	1/4	178,994	1/4	164,007	1/4	149,007	1/4	134,008	1/4	119,009	1/4	104,008	1/4	89,002
1/2	1/2	1/2	208,458	1/2	193,638	1/2	178,683	1/2	163,694	1/2	148,695	1/2	133,695	1/2	118,696	1/2	103,695	1/2	88,689
3/4	3/4	3/4	208,178	3/4	193,327	3/4	178,371	3/4	163,382	3/4	148,382	3/4	133,383	3/4	118,384	3/4	103,382	3/4	88,377
5	5	5	207,898	5	193,015	5	178,059	5	163,069	5	148,070	5	133,070	5	118,071	5	103,070	5	88,064
1/4	1/4	1/4	207,593	1/4	192,704	1/4	177,748	1/4	162,757	1/4	147,757	1/4	132,758	1/4	117,759	1/4	102,757	1/4	87,751
1/2	1/2	1/2	207,288	1/2	192,392	1/2	177,436	1/2	162,444	1/2	147,445	1/2	132,445	1/2	117,446	1/2	102,445	1/2	87,439
3/4	3/4	3/4	206,982	3/4	192,080	3/4	177,125	3/4	162,132	3/4	147,132	3/4	132,133	3/4	117,134	3/4	102,132	3/4	87,126
6	6	6	206,677	6	191,769	6	176,813	6	161,819	6	146,820	6	131,821	6	116,821	6	101,819	6	86,813
1/4	1/4	1/4	206,368	1/4	191,457	1/4	176,502	1/4	161,507	1/4	146,507	1/4	131,508	1/4	116,509	1/4	101,507	1/4	86,501
1/2	1/2	1/2	206,059	1/2	191,146	1/2	176,190	1/2	161,194	1/2	146,195	1/2	131,196	1/2	116,196	1/2	101,194	1/2	86,188
3/4	3/4	3/4	205,750	3/4	190,834	3/4	175,878	3/4	160,882	3/4	145,882	3/4	130,883	3/4	115,884	3/4	100,881	3/4	85,876
7	7	7	205,441	7	190,523	7	175,567	7	160,569	7	145,570	7	130,571	7	115,571	7	100,569	7	85,563
1/4	1/4	1/4	205,131	1/4	190,211	1/4	175,255	1/4	160,257	1/4	145,257	1/4	130,258	1/4	115,259	1/4	100,256	1/4	85,250
1/2	1/2	1/2	204,822	1/2	189,899	1/2	174,943	1/2	159,944	1/2	144,945	1/2	129,946	1/2	114,946	1/2	99,944	1/2	84,938
3/4	3/4	3/4	204,512	3/4	189,588	3/4	174,631	3/4	159,632	3/4	144,632	3/4	129,633	3/4	114,634	3/4	99,631	3/4	84,625
8	8	8	204,203	8	189,276	8	174,319	8	159,319	8	144,320	8	129,321	8	114,321	8	99,318	8	84,312
1/4	1/4	1/4	203,893	1/4	188,965	1/4	174,006	1/4	159,007	1/4	144,008	1/4	129,008	1/4	114,009	1/4	99,006	1/4	84,000
1/2	1/2	1/2	203,584	1/2	188,653	1/2	173,694	1/2	158,694	1/2	143,695	1/2	128,696	1/2	113,696	1/2	98,693	1/2	83,687
3/4	3/4	3/4	203,274	3/4	188,341	3/4	173,381	3/4	158,382	3/4	143,383	3/4	128,383	3/4	113,384	3/4	98,380	3/4	83,375
9	9	9	202,964	9	188,030	9	173,069	9	158,069	9	143,070	9	128,071	9	113,071	9	98,068	9	83,062
1/4	1/4	1/4	202,655	1/4	187,718	1/4	172,756	1/4	157,757	1/4	142,758	1/4	127,758	1/4	112,759	1/4	97,755	1/4	82,749
1/2	1/2	1/2	202,345	1/2	187,407	1/2	172,444	1/2	157,444	1/2	142,445	1/2	127,446	1/2	112,446	1/2	97,443	1/2	82,437
3/4	3/4	3/4	202,036	3/4	187,095	3/4	172,131	3/4	157,132	3/4	142,133	3/4	127,133	3/4	112,134	3/4	97,130	3/4	82,124
10	10	10	201,726	10	186,784	10	171,819	10	156,819	10	141,820	10	126,821	10	111,821	10	96,817	10	81,811
1/4	1/4	1/4	201,417	1/4	186,472	1/4	171,506	1/4	156,507	1/4	141,508	1/4	126,508	1/4	111,509	1/4	96,505	1/4	81,499
1/2	1/2	1/2	201,108	1/2	186,160	1/2	171,194	1/2	156,195	1/2	141,195	1/2	126,196	1/2	111,196	1/2	96,192	1/2	81,186
3/4	3/4	3/4	200,798	3/4	185,849	3/4	170,881	3/4	155,882	3/4	140,883	3/4	125,883	3/4	110,884	3/4	95,879	3/4	80,874
11	11	11	200,489	11	185,537	11	170,569	11	155,570	11	140,570	11	125,571	11	110,571	11	95,567	11	80,561
1/4	1/4	1/4	200,178	1/4	185,226	1/4	170,256	1/4	155,257	1/4	140,258	1/4	125,258	1/4	110,259	1/4	95,254	1/4	80,248
1/2	1/2	1/2	199,868	1/2	184,914	1/2	169,944	1/2	154,945	1/2	139,945	1/2	124,946	1/2	109,946	1/2	94,942	1/2	79,936
3/4	3/4	3/4	199,557	3/4	184,603	3/4	169,631	3/4	154,632	3/4	139,633	3/4	124,633	3/4	109,634	3/4	94,629	3/4	79,623

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HFL 3010"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	79,310	0	64,305	0	49,400	0	34,398	0	19,392	0	5,237	0		0					0
1/4	78,998	1/4	63,994	1/4	49,088	1/4	34,085	1/4	19,080	1/4	4,967	1/4		1/4					1/4
1/2	78,685	1/2	63,683	1/2	48,777	1/2	33,773	1/2	18,767	1/2	4,697	1/2		1/2					1/2
3/4	78,373	3/4	63,371	3/4	48,465	3/4	33,460	3/4	18,455	3/4	4,427	3/4		3/4					3/4
1	78,060	1	63,060	1	48,153	1	33,147	1	18,142	1	4,156	1		1					1
1/4	77,747	1/4	62,749	1/4	47,840	1/4	32,835	1/4	17,830	1/4	3,890	1/4		1/4					1/4
1/2	77,435	1/2	62,439	1/2	47,528	1/2	32,522	1/2	17,519	1/2	3,624	1/2		1/2					1/2
3/4	77,122	3/4	62,129	3/4	47,215	3/4	32,210	3/4	17,207	3/4	3,358	3/4		3/4					3/4
2	76,810	2	61,818	2	46,902	2	31,897	2	16,895	2	3,092	2		2					2
1/4	76,497	1/4	61,508	1/4	46,590	1/4	31,584	1/4	16,587	1/4	2,830	1/4		1/4					1/4
1/2	76,184	1/2	61,198	1/2	46,277	1/2	31,272	1/2	16,278	1/2	2,568	1/2		1/2					1/2
3/4	75,872	3/4	60,887	3/4	45,964	3/4	30,959	3/4	15,969	3/4	2,307	3/4		3/4					3/4
3	75,559	3	60,577	3	45,652	3	30,646	3	15,660	3	2,045	3		3					3
1/4	75,246	1/4	60,267	1/4	45,339	1/4	30,334	1/4	15,355	1/4	1,807	1/4		1/4					1/4
1/2	74,934	1/2	59,956	1/2	45,027	1/2	30,021	1/2	15,050	1/2	1,568	1/2		1/2					1/2
3/4	74,621	3/4	59,646	3/4	44,714	3/4	29,709	3/4	14,746	3/4	1,330	3/4		3/4					3/4
4	74,309	4	59,336	4	44,401	4	29,396	4	14,441	4	1,092	4		4					4
1/4	73,996	1/4	59,026	1/4	44,089	1/4	29,083	1/4	14,140	1/4	915	1/4		1/4					1/4
1/2	73,683	1/2	58,715	1/2	43,776	1/2	28,771	1/2	13,838	1/2	738	1/2		1/2					1/2
3/4	73,371	3/4	58,405	3/4	43,464	3/4	28,458	3/4	13,537	3/4	562	3/4		3/4					3/4
5	73,058	5	58,095	5	43,151	5	28,146	5	13,236	5	385	5		5					5
1/4	72,745	1/4	57,785	1/4	42,838	1/4	27,833	1/4	12,939	1/4		1/4		1/4					1/4
1/2	72,433	1/2	57,474	1/2	42,526	1/2	27,520	1/2	12,642	1/2		1/2		1/2					1/2
3/4	72,120	3/4	57,164	3/4	42,213	3/4	27,208	3/4	12,345	3/4		3/4		3/4					3/4
6	71,808	6	56,854	6	41,901	6	26,895	6	12,047	6		6		6					6
1/4	71,495	1/4	56,544	1/4	41,588	1/4	26,582	1/4	11,754	1/4		1/4		1/4					1/4
1/2	71,182	1/2	56,233	1/2	41,275	1/2	26,270	1/2	11,461	1/2		1/2		1/2					1/2
3/4	70,870	3/4	55,923	3/4	40,963	3/4	25,957	3/4	11,167	3/4		3/4		3/4					3/4
7	70,557	7	55,613	7	40,650	7	25,645	7	10,874	7		7		7					7
1/4	70,244	1/4	55,303	1/4	40,337	1/4	25,332	1/4	10,584	1/4		1/4		1/4					1/4
1/2	69,932	1/2	54,992	1/2	40,025	1/2	25,019	1/2	10,295	1/2		1/2		1/2					1/2
3/4	69,619	3/4	54,682	3/4	39,712	3/4	24,707	3/4	10,005	3/4		3/4		3/4					3/4
8	69,307	8	54,372	8	39,400	8	24,394	8	9,716	8		8		8					8
1/4	68,994	1/4	54,062	1/4	39,087	1/4	24,082	1/4	9,430	1/4		1/4		1/4					1/4
1/2	68,681	1/2	53,751	1/2	38,774	1/2	23,769	1/2	9,145	1/2		1/2		1/2					1/2
3/4	68,369	3/4	53,441	3/4	38,462	3/4	23,456	3/4	8,859	3/4		3/4		3/4					3/4
9	68,056	9	53,131	9	38,149	9	23,144	9	8,573	9		9		9					9
1/4	67,743	1/4	52,820	1/4	37,837	1/4	22,831	1/4	8,291	1/4		1/4		1/4					1/4
1/2	67,431	1/2	52,510	1/2	37,524	1/2	22,519	1/2	8,010	1/2		1/2		1/2					1/2
3/4	67,118	3/4	52,199	3/4	37,211	3/4	22,206	3/4	7,728	3/4		3/4		3/4					3/4
10	66,806	10	51,889	10	36,899	10	21,893	10	7,446	10		10		10					10
1/4	66,493	1/4	51,578	1/4	36,586	1/4	21,581	1/4	7,168	1/4		1/4		1/4					1/4
1/2	66,180	1/2	51,267	1/2	36,273	1/2	21,268	1/2	6,890	1/2		1/2		1/2					1/2
3/4	65,868	3/4	50,956	3/4	35,961	3/4	20,955	3/4	6,612	3/4		3/4		3/4					3/4
11	65,555	11	50,645	11	35,648	11	20,643	11	6,334	11		11		11					11
1/4	65,243	1/4	50,334	1/4	35,336	1/4	20,330	1/4	6,060	1/4		1/4		1/4					1/4
1/2	64,930	1/2	50,023	1/2	35,023	1/2	20,018	1/2	5,786	1/2		1/2		1/2					1/2
3/4	64,618	3/4	49,712	3/4	34,710	3/4	19,705	3/4	5,512	3/4		3/4		3/4					3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/13/2017 CL  
CALCULATED: 02/14/2017 CL  
PRINTED: 02/14/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

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



# BARGE "HFL 3010"

## STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,161	0	3,006	0	1,853	0	698	0		0		0		0	
1/4		1/4		1/4	4,137	1/4	2,982	1/4	1,829	1/4	674	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,113	1/2	2,958	1/2	1,805	1/2	650	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,089	3/4	2,934	3/4	1,780	3/4	626	3/4		3/4		3/4		3/4	
1		1		1	4,065	1	2,910	1	1,756	1	602	1		1		1		1	
1/4		1/4	5,140	1/4	4,041	1/4	2,886	1/4	1,732	1/4	578	1/4		1/4		1/4		1/4	
1/2		1/2	5,128	1/2	4,017	1/2	2,862	1/2	1,708	1/2	553	1/2		1/2		1/2		1/2	
3/4		3/4	5,117	3/4	3,993	3/4	2,838	3/4	1,684	3/4	529	3/4		3/4		3/4		3/4	
2		2	5,105	2	3,969	2	2,814	2	1,660	2	505	2		2		2		2	
1/4		1/4	5,093	1/4	3,945	1/4	2,790	1/4	1,636	1/4	481	1/4		1/4		1/4		1/4	
1/2		1/2	5,070	1/2	3,921	1/2	2,766	1/2	1,612	1/2	457	1/2		1/2		1/2		1/2	
3/4		3/4	5,046	3/4	3,897	3/4	2,742	3/4	1,588	3/4	433	3/4		3/4		3/4		3/4	
3		3	5,023	3	3,873	3	2,718	3	1,564	3	409	3		3		3		3	
1/4		1/4	4,999	1/4	3,849	1/4	2,694	1/4	1,540	1/4	385	1/4		1/4		1/4		1/4	
1/2		1/2	4,975	1/2	3,825	1/2	2,670	1/2	1,516	1/2	361	1/2		1/2		1/2		1/2	
3/4		3/4	4,952	3/4	3,800	3/4	2,646	3/4	1,492	3/4	337	3/4		3/4		3/4		3/4	
4		4	4,928	4	3,776	4	2,622	4	1,468	4	313	4		4		4		4	
1/4		1/4	4,904	1/4	3,752	1/4	2,597	1/4	1,444	1/4	289	1/4		1/4		1/4		1/4	
1/2		1/2	4,881	1/2	3,728	1/2	2,574	1/2	1,419	1/2	265	1/2		1/2		1/2		1/2	
3/4		3/4	4,857	3/4	3,704	3/4	2,550	3/4	1,395	3/4	241	3/4		3/4		3/4		3/4	
5		5	4,833	5	3,680	5	2,526	5	1,371	5	217	5		5		5		5	
1/4		1/4	4,810	1/4	3,656	1/4	2,502	1/4	1,347	1/4	193	1/4		1/4		1/4		1/4	
1/2		1/2	4,786	1/2	3,632	1/2	2,478	1/2	1,323	1/2	168	1/2		1/2		1/2		1/2	
3/4		3/4	4,762	3/4	3,608	3/4	2,454	3/4	1,299	3/4	144	3/4		3/4		3/4		3/4	
6		6	4,739	6	3,584	6	2,430	6	1,275	6	120	6		6		6		6	
1/4		1/4	4,715	1/4	3,560	1/4	2,406	1/4	1,251	1/4	96	1/4		1/4		1/4		1/4	
1/2		1/2	4,691	1/2	3,536	1/2	2,382	1/2	1,227	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,667	3/4	3,512	3/4	2,358	3/4	1,203	3/4		3/4		3/4		3/4		3/4	
7		7	4,643	7	3,488	7	2,334	7	1,179	7		7		7		7		7	
1/4		1/4	4,619	1/4	3,464	1/4	2,310	1/4	1,155	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,595	1/2	3,440	1/2	2,286	1/2	1,131	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,570	3/4	3,415	3/4	2,262	3/4	1,107	3/4		3/4		3/4		3/4		3/4	
8		8	4,546	8	3,391	8	2,238	8	1,083	8		8		8		8		8	
1/4		1/4	4,522	1/4	3,367	1/4	2,214	1/4	1,059	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,498	1/2	3,343	1/2	2,190	1/2	1,035	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,474	3/4	3,319	3/4	2,165	3/4	1,011	3/4		3/4		3/4		3/4		3/4	
9		9	4,450	9	3,295	9	2,141	9	987	9		9		9		9		9	
1/4		1/4	4,426	1/4	3,271	1/4	2,117	1/4	963	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,402	1/2	3,247	1/2	2,093	1/2	938	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,378	3/4	3,223	3/4	2,069	3/4	914	3/4		3/4		3/4		3/4		3/4	
10		10	4,354	10	3,199	10	2,045	10	890	10		10		10		10		10	
1/4		1/4	4,330	1/4	3,175	1/4	2,021	1/4	866	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,306	1/2	3,151	1/2	1,997	1/2	842	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,282	3/4	3,127	3/4	1,973	3/4	818	3/4		3/4		3/4		3/4		3/4	
11		11	4,258	11	3,103	11	1,949	11	794	11		11		11		11		11	
1/4		1/4	4,234	1/4	3,079	1/4	1,925	1/4	770	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,210	1/2	3,054	1/2	1,901	1/2	746	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,185	3/4	3,030	3/4	1,877	3/4	722	3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT

STRAPPED: 02/13/2017 CL  
CALCULATED: 02/14/2017 CL  
PRINTED: 02/14/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2017

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





# BARGE "HFL 3010"

## PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,161	0	3,006	0	1,853	0	698	0		0		0		0	
1/4		1/4		1/4	4,137	1/4	2,982	1/4	1,829	1/4	674	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,113	1/2	2,958	1/2	1,805	1/2	650	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,089	3/4	2,934	3/4	1,780	3/4	626	3/4		3/4		3/4		3/4	
1		1		1	4,065	1	2,910	1	1,756	1	602	1		1		1		1	
1/4		1/4	5,140	1/4	4,041	1/4	2,886	1/4	1,732	1/4	578	1/4		1/4		1/4		1/4	
1/2		1/2	5,128	1/2	4,017	1/2	2,862	1/2	1,708	1/2	553	1/2		1/2		1/2		1/2	
3/4		3/4	5,117	3/4	3,993	3/4	2,838	3/4	1,684	3/4	529	3/4		3/4		3/4		3/4	
2		2	5,105	2	3,969	2	2,814	2	1,660	2	505	2		2		2		2	
1/4		1/4	5,093	1/4	3,945	1/4	2,790	1/4	1,636	1/4	481	1/4		1/4		1/4		1/4	
1/2		1/2	5,070	1/2	3,921	1/2	2,766	1/2	1,612	1/2	457	1/2		1/2		1/2		1/2	
3/4		3/4	5,046	3/4	3,897	3/4	2,742	3/4	1,588	3/4	433	3/4		3/4		3/4		3/4	
3		3	5,023	3	3,873	3	2,718	3	1,564	3	409	3		3		3		3	
1/4		1/4	4,999	1/4	3,849	1/4	2,694	1/4	1,540	1/4	385	1/4		1/4		1/4		1/4	
1/2		1/2	4,975	1/2	3,825	1/2	2,670	1/2	1,516	1/2	361	1/2		1/2		1/2		1/2	
3/4		3/4	4,952	3/4	3,800	3/4	2,646	3/4	1,492	3/4	337	3/4		3/4		3/4		3/4	
4		4	4,928	4	3,776	4	2,622	4	1,468	4	313	4		4		4		4	
1/4		1/4	4,904	1/4	3,752	1/4	2,597	1/4	1,444	1/4	289	1/4		1/4		1/4		1/4	
1/2		1/2	4,881	1/2	3,728	1/2	2,574	1/2	1,419	1/2	265	1/2		1/2		1/2		1/2	
3/4		3/4	4,857	3/4	3,704	3/4	2,550	3/4	1,395	3/4	241	3/4		3/4		3/4		3/4	
5		5	4,833	5	3,680	5	2,526	5	1,371	5	217	5		5		5		5	
1/4		1/4	4,810	1/4	3,656	1/4	2,502	1/4	1,347	1/4	193	1/4		1/4		1/4		1/4	
1/2		1/2	4,786	1/2	3,632	1/2	2,478	1/2	1,323	1/2	168	1/2		1/2		1/2		1/2	
3/4		3/4	4,762	3/4	3,608	3/4	2,454	3/4	1,299	3/4	144	3/4		3/4		3/4		3/4	
6		6	4,739	6	3,584	6	2,430	6	1,275	6	120	6		6		6		6	
1/4		1/4	4,715	1/4	3,560	1/4	2,406	1/4	1,251	1/4	96	1/4		1/4		1/4		1/4	
1/2		1/2	4,691	1/2	3,536	1/2	2,382	1/2	1,227	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,667	3/4	3,512	3/4	2,358	3/4	1,203	3/4		3/4		3/4		3/4		3/4	
7		7	4,643	7	3,488	7	2,334	7	1,179	7		7		7		7		7	
1/4		1/4	4,619	1/4	3,464	1/4	2,310	1/4	1,155	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,595	1/2	3,440	1/2	2,286	1/2	1,131	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,570	3/4	3,415	3/4	2,262	3/4	1,107	3/4		3/4		3/4		3/4		3/4	
8		8	4,546	8	3,391	8	2,238	8	1,083	8		8		8		8		8	
1/4		1/4	4,522	1/4	3,367	1/4	2,214	1/4	1,059	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,498	1/2	3,343	1/2	2,190	1/2	1,035	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,474	3/4	3,319	3/4	2,165	3/4	1,011	3/4		3/4		3/4		3/4		3/4	
9		9	4,450	9	3,295	9	2,141	9	987	9		9		9		9		9	
1/4		1/4	4,426	1/4	3,271	1/4	2,117	1/4	963	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,402	1/2	3,247	1/2	2,093	1/2	938	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,378	3/4	3,223	3/4	2,069	3/4	914	3/4		3/4		3/4		3/4		3/4	
10		10	4,354	10	3,199	10	2,045	10	890	10		10		10		10		10	
1/4		1/4	4,330	1/4	3,175	1/4	2,021	1/4	866	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,306	1/2	3,151	1/2	1,997	1/2	842	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,282	3/4	3,127	3/4	1,973	3/4	818	3/4		3/4		3/4		3/4		3/4	
11		11	4,258	11	3,103	11	1,949	11	794	11		11		11		11		11	
1/4		1/4	4,234	1/4	3,079	1/4	1,925	1/4	770	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,210	1/2	3,054	1/2	1,901	1/2	746	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,185	3/4	3,030	3/4	1,877	3/4	722	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
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