



# BARGE "HFL 3008"

## 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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 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	- 00-1/8	00-1/8	- 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 = 4'-00"  
 DIFF. = 3'-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"

January 15, 2017

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

<http://www.pmacorp.net>



# BARGE "HFL 3008"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/2"

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	199,965	0	185,004	0	170,027	0	155,020	0	140,013	0	125,007	0	110,000	0	94,988
1/4		1/4		1/4	199,654	1/4	184,693	1/4	169,714	1/4	154,707	1/4	139,701	1/4	124,694	1/4	109,687	1/4	94,675
1/2		1/2		1/2	199,344	1/2	184,381	1/2	169,401	1/2	154,395	1/2	139,388	1/2	124,381	1/2	109,375	1/2	94,362
3/4		3/4		3/4	199,032	3/4	184,069	3/4	169,089	3/4	154,082	3/4	139,075	3/4	124,069	3/4	109,062	3/4	94,050
1		1		1	198,720	1	183,757	1	168,776	1	153,770	1	138,763	1	123,756	1	108,749	1	93,737
1/4		1/4		1/4	198,409	1/4	183,446	1/4	168,464	1/4	153,457	1/4	138,450	1/4	123,444	1/4	108,437	1/4	93,424
1/2		1/2		1/2	198,097	1/2	183,134	1/2	168,151	1/2	153,144	1/2	138,138	1/2	123,131	1/2	108,124	1/2	93,111
3/4		3/4		3/4	197,785	3/4	182,822	3/4	167,838	3/4	152,832	3/4	137,825	3/4	122,818	3/4	107,811	3/4	92,799
2		2		2	197,473	2	182,510	2	167,526	2	152,519	2	137,512	2	122,506	2	107,499	2	92,486
1/4		1/4		1/4	197,162	1/4	182,199	1/4	167,213	1/4	152,206	1/4	137,200	1/4	122,193	1/4	107,186	1/4	92,173
1/2		1/2		1/2	210,763	1/2	186,850	1/2	181,887	1/2	166,900	1/2	151,894	1/2	136,887	1/2	121,880	1/2	106,873
3/4		3/4		3/4	210,584	3/4	196,538	3/4	181,575	3/4	166,588	3/4	151,581	3/4	136,574	3/4	121,568	3/4	106,561
3		3		3	210,404	3	196,226	3	181,264	3	166,275	3	151,268	3	136,262	3	121,255	3	106,248
1/4		1/4		1/4	210,225	1/4	195,915	1/4	180,952	1/4	165,962	1/4	150,956	1/4	135,949	1/4	120,942	1/4	105,935
1/2		1/2		1/2	210,045	1/2	195,603	1/2	180,640	1/2	165,650	1/2	150,643	1/2	135,636	1/2	120,630	1/2	105,622
3/4		3/4		3/4	209,814	3/4	195,291	3/4	180,328	3/4	165,337	3/4	150,330	3/4	135,324	3/4	120,317	3/4	105,310
4		4		4	209,582	4	194,980	4	180,017	4	165,025	4	150,018	4	135,011	4	120,004	4	104,997
1/4		1/4		1/4	209,351	1/4	194,668	1/4	179,705	1/4	164,712	1/4	149,705	1/4	134,699	1/4	119,692	1/4	104,684
1/2		1/2		1/2	209,119	1/2	194,356	1/2	179,393	1/2	164,399	1/2	149,393	1/2	134,386	1/2	119,379	1/2	104,371
3/4		3/4		3/4	208,839	3/4	194,044	3/4	179,081	3/4	164,087	3/4	149,080	3/4	134,073	3/4	119,067	3/4	104,058
5		5		5	208,560	5	193,733	5	178,770	5	163,774	5	148,767	5	133,761	5	118,754	5	103,746
1/4		1/4		1/4	208,280	1/4	193,421	1/4	178,458	1/4	163,461	1/4	148,455	1/4	133,448	1/4	118,441	1/4	103,433
1/2		1/2		1/2	208,000	1/2	193,109	1/2	178,146	1/2	163,149	1/2	148,142	1/2	133,135	1/2	118,129	1/2	103,120
3/4		3/4		3/4	207,694	3/4	192,797	3/4	177,835	3/4	162,836	3/4	147,829	3/4	132,823	3/4	117,816	3/4	102,807
6		6		6	207,389	6	192,486	6	177,523	6	162,523	6	147,517	6	132,510	6	117,503	6	102,495
1/4		1/4		1/4	207,083	1/4	192,174	1/4	177,211	1/4	162,211	1/4	147,204	1/4	132,197	1/4	117,191	1/4	102,182
1/2		1/2		1/2	206,778	1/2	191,862	1/2	176,899	1/2	161,898	1/2	146,891	1/2	131,885	1/2	116,878	1/2	101,869
3/4		3/4		3/4	206,468	3/4	191,551	3/4	176,588	3/4	161,585	3/4	146,579	3/4	131,572	3/4	116,565	3/4	101,556
7		7		7	206,159	7	191,239	7	176,276	7	161,273	7	146,266	7	131,259	7	116,253	7	101,243
1/4		1/4		1/4	205,850	1/4	190,927	1/4	175,964	1/4	160,960	1/4	145,954	1/4	130,947	1/4	115,940	1/4	100,931
1/2		1/2		1/2	205,541	1/2	190,615	1/2	175,652	1/2	160,648	1/2	145,641	1/2	130,634	1/2	115,628	1/2	100,618
3/4		3/4		3/4	205,231	3/4	190,304	3/4	175,340	3/4	160,335	3/4	145,328	3/4	130,322	3/4	115,315	3/4	100,305
8		8		8	204,921	8	189,992	8	175,028	8	160,022	8	145,016	8	130,009	8	115,002	8	99,992
1/4		1/4		1/4	204,612	1/4	189,680	1/4	174,716	1/4	159,710	1/4	144,703	1/4	129,696	1/4	114,690	1/4	99,680
1/2		1/2		1/2	204,302	1/2	189,368	1/2	174,404	1/2	159,397	1/2	144,390	1/2	129,384	1/2	114,377	1/2	99,367
3/4		3/4		3/4	203,992	3/4	189,057	3/4	174,091	3/4	159,084	3/4	144,078	3/4	129,071	3/4	114,064	3/4	99,054
9		9		9	203,683	9	188,745	9	173,778	9	158,772	9	143,765	9	128,758	9	113,752	9	98,741
1/4		1/4		1/4	203,373	1/4	188,433	1/4	173,466	1/4	158,459	1/4	143,452	1/4	128,446	1/4	113,439	1/4	98,428
1/2		1/2		1/2	203,063	1/2	188,122	1/2	173,153	1/2	158,146	1/2	143,140	1/2	128,133	1/2	113,126	1/2	98,116
3/4		3/4		3/4	202,754	3/4	187,810	3/4	172,840	3/4	157,834	3/4	142,827	3/4	127,820	3/4	112,814	3/4	97,803
10		10		10	202,444	10	187,498	10	172,528	10	157,521	10	142,515	10	127,508	10	112,501	10	97,490
1/4		1/4		1/4	202,134	1/4	187,186	1/4	172,215	1/4	157,209	1/4	142,202	1/4	127,195	1/4	112,189	1/4	97,177
1/2		1/2		1/2	201,825	1/2	186,875	1/2	171,903	1/2	156,896	1/2	141,889	1/2	126,883	1/2	111,876	1/2	96,865
3/4		3/4		3/4	201,515	3/4	186,563	3/4	171,590	3/4	156,583	3/4	141,577	3/4	126,570	3/4	111,563	3/4	96,552
11		11		11	201,205	11	186,251	11	171,277	11	156,271	11	141,264	11	126,257	11	111,251	11	96,239
1/4		1/4		1/4	200,896	1/4	185,939	1/4	170,965	1/4	155,958	1/4	140,951	1/4	125,945	1/4	110,938	1/4	95,926
1/2		1/2		1/2	200,586	1/2	185,628	1/2	170,652	1/2	155,645	1/2	140,639	1/2	125,632	1/2	110,625	1/2	95,613
3/4		3/4		3/4	200,276	3/4	185,316	3/4	170,339	3/4	155,333	3/4	140,326	3/4	125,319	3/4	110,313	3/4	95,301

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.

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# BARGE "HFL 3008"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/2"

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	79,975	0	64,962	0	50,047	0	35,040	0	20,028	0	5,789	0		0		0		0	
1/4	79,662	1/4	64,649	1/4	49,736	1/4	34,727	1/4	19,715	1/4	5,514	1/4		1/4		1/4		1/4	
1/2	79,349	1/2	64,337	1/2	49,425	1/2	34,415	1/2	19,402	1/2	5,240	1/2		1/2		1/2		1/2	
3/4	79,036	3/4	64,025	3/4	49,113	3/4	34,102	3/4	19,089	3/4	4,970	3/4		3/4		3/4		3/4	
1	78,724	1	63,714	1	48,800	1	33,789	1	18,776	1	4,699	1		1		1		1	
1/4	78,411	1/4	63,402	1/4	48,488	1/4	33,476	1/4	18,464	1/4	4,429	1/4		1/4		1/4		1/4	
1/2	78,098	1/2	63,091	1/2	48,176	1/2	33,164	1/2	18,151	1/2	4,159	1/2		1/2		1/2		1/2	
3/4	77,785	3/4	62,780	3/4	47,864	3/4	32,851	3/4	17,839	3/4	3,892	3/4		3/4		3/4		3/4	
2	77,473	2	62,470	2	47,551	2	32,538	2	17,527	2	3,626	2		2		2		2	
1/4	77,160	1/4	62,159	1/4	47,238	1/4	32,225	1/4	17,216	1/4	3,360	1/4		1/4		1/4		1/4	
1/2	76,847	1/2	61,848	1/2	46,925	1/2	31,913	1/2	16,904	1/2	3,093	1/2		1/2		1/2		1/2	
3/4	76,534	3/4	61,538	3/4	46,613	3/4	31,600	3/4	16,595	3/4	2,832	3/4		3/4		3/4		3/4	
3	76,221	3	61,227	3	46,300	3	31,287	3	16,286	3	2,570	3		3		3		3	
1/4	75,909	1/4	60,917	1/4	45,987	1/4	30,974	1/4	15,977	1/4	2,308	1/4		1/4		1/4		1/4	
1/2	75,596	1/2	60,607	1/2	45,674	1/2	30,662	1/2	15,668	1/2	2,046	1/2		1/2		1/2		1/2	
3/4	75,283	3/4	60,296	3/4	45,361	3/4	30,349	3/4	15,363	3/4	1,808	3/4		3/4		3/4		3/4	
4	74,970	4	59,986	4	45,049	4	30,036	4	15,058	4	1,569	4		4		4		4	
1/4	74,658	1/4	59,675	1/4	44,736	1/4	29,723	1/4	14,753	1/4	1,331	1/4		1/4		1/4		1/4	
1/2	74,345	1/2	59,365	1/2	44,423	1/2	29,410	1/2	14,448	1/2	1,092	1/2		1/2		1/2		1/2	
3/4	74,032	3/4	59,054	3/4	44,110	3/4	29,098	3/4	14,147	3/4	916	3/4		3/4		3/4		3/4	
5	73,719	5	58,744	5	43,798	5	28,785	5	13,845	5	739	5		5		5		5	
1/4	73,407	1/4	58,434	1/4	43,485	1/4	28,472	1/4	13,544	1/4	562	1/4		1/4		1/4		1/4	
1/2	73,094	1/2	58,123	1/2	43,172	1/2	28,159	1/2	13,243	1/2	385	1/2		1/2		1/2		1/2	
3/4	72,781	3/4	57,813	3/4	42,859	3/4	27,847	3/4	12,946	3/4		3/4		3/4		3/4		3/4	
6	72,468	6	57,502	6	42,547	6	27,534	6	12,648	6		6		6		6		6	
1/4	72,155	1/4	57,192	1/4	42,234	1/4	27,221	1/4	12,351	1/4		1/4		1/4		1/4		1/4	
1/2	71,843	1/2	56,882	1/2	41,921	1/2	26,908	1/2	12,053	1/2		1/2		1/2		1/2		1/2	
3/4	71,530	3/4	56,571	3/4	41,608	3/4	26,596	3/4	11,760	3/4		3/4		3/4		3/4		3/4	
7	71,217	7	56,261	7	41,296	7	26,283	7	11,466	7		7		7		7		7	
1/4	70,904	1/4	55,950	1/4	40,983	1/4	25,970	1/4	11,173	1/4		1/4		1/4		1/4		1/4	
1/2	70,592	1/2	55,640	1/2	40,670	1/2	25,657	1/2	10,879	1/2		1/2		1/2		1/2		1/2	
3/4	70,279	3/4	55,330	3/4	40,357	3/4	25,345	3/4	10,590	3/4		3/4		3/4		3/4		3/4	
8	69,966	8	55,019	8	40,044	8	25,032	8	10,300	8		8		8		8		8	
1/4	69,653	1/4	54,709	1/4	39,732	1/4	24,719	1/4	10,010	1/4		1/4		1/4		1/4		1/4	
1/2	69,340	1/2	54,398	1/2	39,419	1/2	24,406	1/2	9,721	1/2		1/2		1/2		1/2		1/2	
3/4	69,028	3/4	54,088	3/4	39,106	3/4	24,093	3/4	9,435	3/4		3/4		3/4		3/4		3/4	
9	68,715	9	53,778	9	38,793	9	23,781	9	9,149	9		9		9		9		9	
1/4	68,402	1/4	53,467	1/4	38,481	1/4	23,468	1/4	8,863	1/4		1/4		1/4		1/4		1/4	
1/2	68,089	1/2	53,157	1/2	38,168	1/2	23,155	1/2	8,578	1/2		1/2		1/2		1/2		1/2	
3/4	67,777	3/4	52,846	3/4	37,855	3/4	22,842	3/4	8,296	3/4		3/4		3/4		3/4		3/4	
10	67,464	10	52,536	10	37,542	10	22,530	10	8,014	10		10		10		10		10	
1/4	67,151	1/4	52,225	1/4	37,230	1/4	22,217	1/4	7,732	1/4		1/4		1/4		1/4		1/4	
1/2	66,838	1/2	51,914	1/2	36,917	1/2	21,904	1/2	7,450	1/2		1/2		1/2		1/2		1/2	
3/4	66,525	3/4	51,603	3/4	36,604	3/4	21,591	3/4	7,172	3/4		3/4		3/4		3/4		3/4	
11	66,213	11	51,292	11	36,291	11	21,279	11	6,893	11		11		11		11		11	
1/4	65,900	1/4	50,981	1/4	35,979	1/4	20,966	1/4	6,615	1/4		1/4		1/4		1/4		1/4	
1/2	65,587	1/2	50,670	1/2	35,666	1/2	20,653	1/2	6,337	1/2		1/2		1/2		1/2		1/2	
3/4	65,275	3/4	50,359	3/4	35,353	3/4	20,340	3/4	6,063	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/13/2017 SW  
CALCULATED: 01/14/2017 CL  
PRINTED: 01/16/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2017

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



# BARGE "HFL 3008"

## 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	200,015	0	185,033	0	170,034	0	155,008	0	139,981	0	124,955	0	109,928	0	94,896
1/4		1/4		1/4	199,703	1/4	184,721	1/4	169,721	1/4	154,695	1/4	139,668	1/4	124,642	1/4	109,615	1/4	94,583
1/2		1/2		1/2	199,391	1/2	184,409	1/2	169,408	1/2	154,382	1/2	139,355	1/2	124,329	1/2	109,302	1/2	94,270
3/4		3/4		3/4	199,079	3/4	184,096	3/4	169,095	3/4	154,069	3/4	139,042	3/4	124,016	3/4	108,989	3/4	93,957
1		1		1	198,767	1	183,784	1	168,782	1	153,756	1	138,729	1	123,702	1	108,676	1	93,644
1/4		1/4		1/4	198,455	1/4	183,472	1/4	168,469	1/4	153,443	1/4	138,416	1/4	123,389	1/4	108,363	1/4	93,330
1/2		1/2		1/2	198,143	1/2	183,160	1/2	168,156	1/2	153,129	1/2	138,103	1/2	123,076	1/2	108,050	1/2	93,017
3/4		3/4		3/4	197,831	3/4	182,848	3/4	167,843	3/4	152,816	3/4	137,790	3/4	122,763	3/4	107,737	3/4	92,704
2		2		2	197,518	2	182,536	2	167,530	2	152,503	2	137,477	2	122,450	2	107,424	2	92,391
1/4		1/4		1/4	211,138	1/4	197,206	1/4	182,224	1/4	167,217	1/4	152,190	1/4	137,164	1/4	122,137	1/4	107,111
1/2		1/2		1/2	210,958	1/2	196,894	1/2	181,911	1/2	166,904	1/2	151,877	1/2	136,851	1/2	121,824	1/2	106,797
3/4		3/4		3/4	210,779	3/4	196,582	3/4	181,599	3/4	166,591	3/4	151,564	3/4	136,538	3/4	121,511	3/4	106,484
3		3		3	210,599	3	196,270	3	181,287	3	166,278	3	151,251	3	136,224	3	121,198	3	106,171
1/4		1/4		1/4	210,419	1/4	195,958	1/4	180,975	1/4	165,965	1/4	150,938	1/4	135,911	1/4	120,885	1/4	105,858
1/2		1/2		1/2	210,188	1/2	195,646	1/2	180,663	1/2	165,652	1/2	150,625	1/2	135,598	1/2	120,572	1/2	105,545
3/4		3/4		3/4	209,956	3/4	195,333	3/4	180,351	3/4	165,339	3/4	150,312	3/4	135,285	3/4	120,259	3/4	105,231
4		4		4	209,724	4	195,021	4	180,039	4	165,026	4	149,999	4	134,972	4	119,946	4	104,918
1/4		1/4		1/4	209,492	1/4	194,709	1/4	179,726	1/4	164,713	1/4	149,686	1/4	134,659	1/4	119,633	1/4	104,605
1/2		1/2		1/2	209,212	1/2	194,397	1/2	179,414	1/2	164,399	1/2	149,373	1/2	134,346	1/2	119,320	1/2	104,292
3/4		3/4		3/4	208,932	3/4	194,085	3/4	179,102	3/4	164,086	3/4	149,060	3/4	134,033	3/4	119,007	3/4	103,979
5		5		5	208,651	5	193,773	5	178,790	5	163,773	5	148,747	5	133,720	5	118,694	5	103,666
1/4		1/4		1/4	208,371	1/4	193,461	1/4	178,478	1/4	163,460	1/4	148,434	1/4	133,407	1/4	118,381	1/4	103,352
1/2		1/2		1/2	208,065	1/2	193,148	1/2	178,166	1/2	163,147	1/2	148,121	1/2	133,094	1/2	118,068	1/2	103,039
3/4		3/4		3/4	207,759	3/4	192,836	3/4	177,854	3/4	162,834	3/4	147,808	3/4	132,781	3/4	117,755	3/4	102,726
6		6		6	207,453	6	192,524	6	177,541	6	162,521	6	147,494	6	132,468	6	117,441	6	102,413
1/4		1/4		1/4	207,147	1/4	192,212	1/4	177,229	1/4	162,208	1/4	147,181	1/4	132,155	1/4	117,128	1/4	102,100
1/2		1/2		1/2	206,838	1/2	191,900	1/2	176,917	1/2	161,895	1/2	146,868	1/2	131,842	1/2	116,815	1/2	101,786
3/4		3/4		3/4	206,528	3/4	191,588	3/4	176,605	3/4	161,582	3/4	146,555	3/4	131,529	3/4	116,502	3/4	101,473
7		7		7	206,218	7	191,276	7	176,293	7	161,269	7	146,242	7	131,216	7	116,189	7	101,160
1/4		1/4		1/4	205,909	1/4	190,964	1/4	175,981	1/4	160,956	1/4	145,929	1/4	130,903	1/4	115,876	1/4	100,847
1/2		1/2		1/2	205,599	1/2	190,651	1/2	175,668	1/2	160,643	1/2	145,616	1/2	130,590	1/2	115,563	1/2	100,534
3/4		3/4		3/4	205,289	3/4	190,339	3/4	175,355	3/4	160,330	3/4	145,303	3/4	130,277	3/4	115,250	3/4	100,220
8		8		8	204,979	8	190,027	8	175,043	8	160,017	8	144,990	8	129,963	8	114,937	8	99,907
1/4		1/4		1/4	204,669	1/4	189,715	1/4	174,730	1/4	159,704	1/4	144,677	1/4	129,650	1/4	114,624	1/4	99,594
1/2		1/2		1/2	204,358	1/2	189,403	1/2	174,417	1/2	159,391	1/2	144,364	1/2	129,337	1/2	114,311	1/2	99,281
3/4		3/4		3/4	204,048	3/4	189,091	3/4	174,104	3/4	159,078	3/4	144,051	3/4	129,024	3/4	113,998	3/4	98,968
9		9		9	203,738	9	188,779	9	173,791	9	158,764	9	143,738	9	128,711	9	113,685	9	98,655
1/4		1/4		1/4	203,428	1/4	188,466	1/4	173,478	1/4	158,451	1/4	143,425	1/4	128,398	1/4	113,372	1/4	98,341
1/2		1/2		1/2	203,118	1/2	188,154	1/2	173,165	1/2	158,138	1/2	143,112	1/2	128,085	1/2	113,059	1/2	98,028
3/4		3/4		3/4	202,808	3/4	187,842	3/4	172,852	3/4	157,825	3/4	142,799	3/4	127,772	3/4	112,746	3/4	97,715
10		10		10	202,498	10	187,530	10	172,539	10	157,512	10	142,486	10	127,459	10	112,433	10	97,402
1/4		1/4		1/4	202,188	1/4	187,218	1/4	172,226	1/4	157,199	1/4	142,173	1/4	127,146	1/4	112,120	1/4	97,089
1/2		1/2		1/2	201,878	1/2	186,906	1/2	171,913	1/2	156,886	1/2	141,859	1/2	126,833	1/2	111,807	1/2	96,775
3/4		3/4		3/4	201,568	3/4	186,594	3/4	171,600	3/4	156,573	3/4	141,546	3/4	126,520	3/4	111,494	3/4	96,462
11		11		11	201,258	11	186,281	11	171,287	11	156,260	11	141,233	11	126,207	11	111,180	11	96,149
1/4		1/4		1/4	200,948	1/4	185,969	1/4	170,974	1/4	155,947	1/4	140,920	1/4	125,894	1/4	110,867	1/4	95,836
1/2		1/2		1/2	200,637	1/2	185,657	1/2	170,661	1/2	155,634	1/2	140,607	1/2	125,581	1/2	110,554	1/2	95,523
3/4		3/4		3/4	200,326	3/4	185,345	3/4	170,348	3/4	155,321	3/4	140,294	3/4	125,268	3/4	110,241	3/4	95,210

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 3008"

## 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	79,863	0	64,831	0	49,805	0	34,773	0	19,740	0	5,521	0		0		0		0	
1/4	79,550	1/4	64,517	1/4	49,492	1/4	34,459	1/4	19,427	1/4	5,247	1/4		1/4		1/4		1/4	
1/2	79,237	1/2	64,204	1/2	49,179	1/2	34,146	1/2	19,114	1/2	4,976	1/2		1/2		1/2		1/2	
3/4	78,924	3/4	63,891	3/4	48,865	3/4	33,833	3/4	18,801	3/4	4,705	3/4		3/4		3/4		3/4	
1	78,611	1	63,578	1	48,552	1	33,520	1	18,487	1	4,434	1		1		1		1	
1/4	78,297	1/4	63,265	1/4	48,239	1/4	33,207	1/4	18,174	1/4	4,164	1/4		1/4		1/4		1/4	
1/2	77,984	1/2	62,951	1/2	47,926	1/2	32,894	1/2	17,862	1/2	3,897	1/2		1/2		1/2		1/2	
3/4	77,671	3/4	62,638	3/4	47,613	3/4	32,580	3/4	17,550	3/4	3,630	3/4		3/4		3/4		3/4	
2	77,358	2	62,325	2	47,300	2	32,267	2	17,238	2	3,364	2		2		2		2	
1/4	77,045	1/4	62,012	1/4	46,986	1/4	31,954	1/4	16,925	1/4	3,097	1/4		1/4		1/4		1/4	
1/2	76,732	1/2	61,699	1/2	46,673	1/2	31,641	1/2	16,612	1/2	2,835	1/2		1/2		1/2		1/2	
3/4	76,418	3/4	61,386	3/4	46,360	3/4	31,328	3/4	16,300	3/4	2,573	3/4		3/4		3/4		3/4	
3	76,105	3	61,073	3	46,047	3	31,014	3	15,987	3	2,311	3		3		3		3	
1/4	75,792	1/4	60,760	1/4	45,734	1/4	30,701	1/4	15,674	1/4	2,049	1/4		1/4		1/4		1/4	
1/2	75,479	1/2	60,447	1/2	45,421	1/2	30,388	1/2	15,361	1/2	1,810	1/2		1/2		1/2		1/2	
3/4	75,166	3/4	60,134	3/4	45,107	3/4	30,075	3/4	15,047	3/4	1,571	3/4		3/4		3/4		3/4	
4	74,852	4	59,821	4	44,794	4	29,762	4	14,732	4	1,332	4		4		4		4	
1/4	74,539	1/4	59,508	1/4	44,481	1/4	29,449	1/4	14,419	1/4	1,093	1/4		1/4		1/4		1/4	
1/2	74,226	1/2	59,195	1/2	44,168	1/2	29,135	1/2	14,105	1/2	916	1/2		1/2		1/2		1/2	
3/4	73,913	3/4	58,882	3/4	43,855	3/4	28,822	3/4	13,792	3/4	739	3/4		3/4		3/4		3/4	
5	73,600	5	58,569	5	43,542	5	28,509	5	13,479	5	562	5		5		5		5	
1/4	73,287	1/4	58,256	1/4	43,228	1/4	28,196	1/4	13,166	1/4	385	1/4		1/4		1/4		1/4	
1/2	72,973	1/2	57,943	1/2	42,915	1/2	27,883	1/2	12,853	1/2		1/2		1/2		1/2		1/2	
3/4	72,660	3/4	57,630	3/4	42,602	3/4	27,570	3/4	12,540	3/4		3/4		3/4		3/4		3/4	
6	72,347	6	57,318	6	42,289	6	27,256	6	12,227	6		6		6		6		6	
1/4	72,034	1/4	57,005	1/4	41,976	1/4	26,943	1/4	11,914	1/4		1/4		1/4		1/4		1/4	
1/2	71,721	1/2	56,692	1/2	41,662	1/2	26,630	1/2	11,601	1/2		1/2		1/2		1/2		1/2	
3/4	71,407	3/4	56,379	3/4	41,349	3/4	26,317	3/4	11,288	3/4		3/4		3/4		3/4		3/4	
7	71,094	7	56,066	7	41,036	7	26,004	7	10,975	7		7		7		7		7	
1/4	70,781	1/4	55,753	1/4	40,723	1/4	25,690	1/4	10,662	1/4		1/4		1/4		1/4		1/4	
1/2	70,468	1/2	55,440	1/2	40,410	1/2	25,377	1/2	10,349	1/2		1/2		1/2		1/2		1/2	
3/4	70,155	3/4	55,127	3/4	40,097	3/4	25,064	3/4	10,036	3/4		3/4		3/4		3/4		3/4	
8	69,841	8	54,814	8	39,783	8	24,751	8	9,723	8		8		8		8		8	
1/4	69,528	1/4	54,501	1/4	39,470	1/4	24,438	1/4	9,410	1/4		1/4		1/4		1/4		1/4	
1/2	69,215	1/2	54,188	1/2	39,157	1/2	24,125	1/2	9,097	1/2		1/2		1/2		1/2		1/2	
3/4	68,902	3/4	53,875	3/4	38,844	3/4	23,811	3/4	8,784	3/4		3/4		3/4		3/4		3/4	
9	68,589	9	53,562	9	38,531	9	23,498	9	8,471	9		9		9		9		9	
1/4	68,276	1/4	53,249	1/4	38,218	1/4	23,185	1/4	8,158	1/4		1/4		1/4		1/4		1/4	
1/2	67,962	1/2	52,936	1/2	37,904	1/2	22,872	1/2	7,845	1/2		1/2		1/2		1/2		1/2	
3/4	67,649	3/4	52,623	3/4	37,591	3/4	22,559	3/4	7,532	3/4		3/4		3/4		3/4		3/4	
10	67,336	10	52,310	10	37,278	10	22,246	10	7,219	10		10		10		10		10	
1/4	67,023	1/4	51,997	1/4	36,965	1/4	21,932	1/4	6,906	1/4		1/4		1/4		1/4		1/4	
1/2	66,710	1/2	51,684	1/2	36,652	1/2	21,619	1/2	6,593	1/2		1/2		1/2		1/2		1/2	
3/4	66,396	3/4	51,371	3/4	36,338	3/4	21,306	3/4	6,280	3/4		3/4		3/4		3/4		3/4	
11	66,083	11	51,058	11	36,025	11	20,993	11	5,967	11		11		11		11		11	
1/4	65,770	1/4	50,745	1/4	35,712	1/4	20,680	1/4	5,654	1/4		1/4		1/4		1/4		1/4	
1/2	65,457	1/2	50,431	1/2	35,399	1/2	20,366	1/2	5,341	1/2		1/2		1/2		1/2		1/2	
3/4	65,144	3/4	50,118	3/4	35,086	3/4	20,053	3/4	5,028	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/13/2017 SW  
CALCULATED: 01/14/2017 CL  
PRINTED: 01/16/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2017

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



# BARGE "HFL 3008"

## 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	201,665	0	186,643	0	171,602	0	156,529	0	141,455	0	126,382	0	111,309	0	96,230
1/4		1/4		1/4	201,352	1/4	186,330	1/4	171,288	1/4	156,215	1/4	141,141	1/4	126,068	1/4	110,995	1/4	95,915
1/2		1/2		1/2	201,039	1/2	186,017	1/2	170,974	1/2	155,901	1/2	140,827	1/2	125,754	1/2	110,681	1/2	95,601
3/4		3/4		3/4	200,726	3/4	185,704	3/4	170,660	3/4	155,586	3/4	140,513	3/4	125,440	3/4	110,367	3/4	95,287
1		1		1	200,413	1	185,391	1	170,346	1	155,272	1	140,199	1	125,126	1	110,053	1	94,973
1/4		1/4		1/4	200,100	1/4	185,078	1/4	170,032	1/4	154,958	1/4	139,885	1/4	124,812	1/4	109,739	1/4	94,659
1/2		1/2		1/2	199,787	1/2	184,765	1/2	169,718	1/2	154,644	1/2	139,571	1/2	124,498	1/2	109,425	1/2	94,344
3/4		3/4		3/4	199,474	3/4	184,452	3/4	169,404	3/4	154,330	3/4	139,257	3/4	124,184	3/4	109,111	3/4	94,030
2		2	213,093	2	199,161	2	184,139	2	169,089	2	154,016	2	138,943	2	123,870	2	108,797	2	93,716
1/4		1/4	212,914	1/4	198,848	1/4	183,826	1/4	168,775	1/4	153,702	1/4	138,629	1/4	123,556	1/4	108,483	1/4	93,402
1/2		1/2	212,735	1/2	198,535	1/2	183,513	1/2	168,461	1/2	153,388	1/2	138,315	1/2	123,242	1/2	108,168	1/2	93,088
3/4		3/4	212,556	3/4	198,222	3/4	183,200	3/4	168,147	3/4	153,074	3/4	138,001	3/4	122,928	3/4	107,854	3/4	92,774
3		3	212,377	3	197,909	3	182,887	3	167,833	3	152,760	3	137,687	3	122,614	3	107,540	3	92,459
1/4		1/4	212,145	1/4	197,596	1/4	182,574	1/4	167,519	1/4	152,446	1/4	137,373	1/4	122,300	1/4	107,226	1/4	92,145
1/2		1/2	211,914	1/2	197,283	1/2	182,261	1/2	167,205	1/2	152,132	1/2	137,059	1/2	121,986	1/2	106,912	1/2	91,831
3/4		3/4	211,682	3/4	196,970	3/4	181,948	3/4	166,891	3/4	151,818	3/4	136,745	3/4	121,672	3/4	106,597	3/4	91,517
4		4	211,451	4	196,657	4	181,635	4	166,577	4	151,504	4	136,431	4	121,358	4	106,283	4	91,203
1/4		1/4	211,171	1/4	196,344	1/4	181,323	1/4	166,263	1/4	151,190	1/4	136,117	1/4	121,044	1/4	105,969	1/4	90,888
1/2		1/2	210,891	1/2	196,031	1/2	181,010	1/2	165,949	1/2	150,876	1/2	135,803	1/2	120,730	1/2	105,655	1/2	90,574
3/4		3/4	210,611	3/4	195,719	3/4	180,697	3/4	165,635	3/4	150,562	3/4	135,489	3/4	120,416	3/4	105,341	3/4	90,260
5		5	210,331	5	195,406	5	180,384	5	165,321	5	150,248	5	135,175	5	120,102	5	105,027	5	89,946
1/4		1/4	210,025	1/4	195,093	1/4	180,071	1/4	165,007	1/4	149,934	1/4	134,861	1/4	119,788	1/4	104,712	1/4	89,632
1/2		1/2	209,719	1/2	194,780	1/2	179,758	1/2	164,693	1/2	149,620	1/2	134,547	1/2	119,474	1/2	104,398	1/2	89,318
3/4		3/4	209,413	3/4	194,467	3/4	179,445	3/4	164,379	3/4	149,306	3/4	134,233	3/4	119,160	3/4	104,084	3/4	89,003
6		6	209,107	6	194,154	6	179,132	6	164,065	6	148,992	6	133,919	6	118,846	6	103,770	6	88,689
1/4		1/4	208,798	1/4	193,841	1/4	178,819	1/4	163,751	1/4	148,678	1/4	133,605	1/4	118,532	1/4	103,456	1/4	88,375
1/2		1/2	208,488	1/2	193,528	1/2	178,506	1/2	163,437	1/2	148,364	1/2	133,291	1/2	118,218	1/2	103,142	1/2	88,061
3/4		3/4	208,179	3/4	193,215	3/4	178,193	3/4	163,123	3/4	148,050	3/4	132,977	3/4	117,904	3/4	102,827	3/4	87,747
7		7	207,869	7	192,902	7	177,880	7	162,809	7	147,736	7	132,663	7	117,590	7	102,513	7	87,432
1/4		1/4	207,559	1/4	192,589	1/4	177,566	1/4	162,495	1/4	147,422	1/4	132,349	1/4	117,276	1/4	102,199	1/4	87,118
1/2		1/2	207,249	1/2	192,276	1/2	177,253	1/2	162,181	1/2	147,108	1/2	132,035	1/2	116,962	1/2	101,885	1/2	86,804
3/4		3/4	206,939	3/4	191,963	3/4	176,940	3/4	161,867	3/4	146,794	3/4	131,721	3/4	116,648	3/4	101,571	3/4	86,490
8		8	206,630	8	191,650	8	176,626	8	161,553	8	146,480	8	131,407	8	116,334	8	101,256	8	86,176
1/4		1/4	206,320	1/4	191,337	1/4	176,312	1/4	161,239	1/4	146,166	1/4	131,093	1/4	116,020	1/4	100,942	1/4	85,862
1/2		1/2	206,010	1/2	191,024	1/2	175,998	1/2	160,925	1/2	145,852	1/2	130,779	1/2	115,706	1/2	100,628	1/2	85,547
3/4		3/4	205,700	3/4	190,711	3/4	175,684	3/4	160,611	3/4	145,538	3/4	130,465	3/4	115,392	3/4	100,314	3/4	85,233
9		9	205,390	9	190,398	9	175,370	9	160,297	9	145,224	9	130,151	9	115,078	9	100,000	9	84,919
1/4		1/4	205,080	1/4	190,085	1/4	175,056	1/4	159,983	1/4	144,910	1/4	129,837	1/4	114,764	1/4	99,686	1/4	84,605
1/2		1/2	204,770	1/2	189,772	1/2	174,742	1/2	159,669	1/2	144,596	1/2	129,523	1/2	114,449	1/2	99,371	1/2	84,291
3/4		3/4	204,460	3/4	189,459	3/4	174,428	3/4	159,355	3/4	144,282	3/4	129,209	3/4	114,135	3/4	99,057	3/4	83,976
10		10	204,150	10	189,146	10	174,114	10	159,041	10	143,968	10	128,895	10	113,821	10	98,743	10	83,662
1/4		1/4	203,840	1/4	188,833	1/4	173,800	1/4	158,727	1/4	143,654	1/4	128,581	1/4	113,507	1/4	98,429	1/4	83,348
1/2		1/2	203,530	1/2	188,521	1/2	173,486	1/2	158,413	1/2	143,340	1/2	128,267	1/2	113,193	1/2	98,115	1/2	83,034
3/4		3/4	203,220	3/4	188,208	3/4	173,172	3/4	158,099	3/4	143,026	3/4	127,952	3/4	112,879	3/4	97,800	3/4	82,720
11		11	202,910	11	187,895	11	172,858	11	157,785	11	142,712	11	127,638	11	112,565	11	97,486	11	82,406
1/4		1/4	202,599	1/4	187,582	1/4	172,544	1/4	157,471	1/4	142,398	1/4	127,324	1/4	112,251	1/4	97,172	1/4	82,091
1/2		1/2	202,288	1/2	187,269	1/2	172,230	1/2	157,157	1/2	142,084	1/2	127,010	1/2	111,937	1/2	96,858	1/2	81,777
3/4		3/4	201,976	3/4	186,956	3/4	171,916	3/4	156,843	3/4	141,769	3/4	126,696	3/4	111,623	3/4	96,544	3/4	81,463

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 3008"

## 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	81,149	0	66,068	0	51,529	0	37,050	0	21,995	0	6,915	0		0		0		0	
1/4	80,835	1/4	65,760	1/4	51,227	1/4	36,741	1/4	21,681	1/4	6,601	1/4		1/4		1/4		1/4	
1/2	80,521	1/2	65,452	1/2	50,925	1/2	36,433	1/2	21,367	1/2	6,287	1/2		1/2		1/2		1/2	
3/4	80,206	3/4	65,143	3/4	50,623	3/4	36,125	3/4	21,053	3/4	5,973	3/4		3/4		3/4		3/4	
1	79,892	1	64,835	1	50,321	1	35,817	1	20,739	1	5,659	1		1		1		1	
1/4	79,578	1/4	64,533	1/4	50,019	1/4	35,502	1/4	20,425	1/4	5,345	1/4		1/4		1/4		1/4	
1/2	79,264	1/2	64,230	1/2	49,718	1/2	35,188	1/2	20,110	1/2	5,031	1/2		1/2		1/2		1/2	
3/4	78,950	3/4	63,928	3/4	49,416	3/4	34,874	3/4	19,796	3/4	4,717	3/4		3/4		3/4		3/4	
2	78,635	2	63,625	2	49,114	2	34,560	2	19,482	2	4,403	2		2		2		2	
1/4	78,321	1/4	63,323	1/4	48,813	1/4	34,246	1/4	19,168	1/4	4,090	1/4		1/4		1/4		1/4	
1/2	78,007	1/2	63,021	1/2	48,511	1/2	33,932	1/2	18,854	1/2	3,777	1/2		1/2		1/2		1/2	
3/4	77,693	3/4	62,718	3/4	48,210	3/4	33,617	3/4	18,540	3/4	3,463	3/4		3/4		3/4		3/4	
3	77,379	3	62,416	3	47,908	3	33,303	3	18,225	3	3,150	3		3		3		3	
1/4	77,065	1/4	62,113	1/4	47,607	1/4	32,989	1/4	17,911	1/4	2,856	1/4		1/4		1/4		1/4	
1/2	76,750	1/2	61,811	1/2	47,305	1/2	32,675	1/2	17,597	1/2	2,563	1/2		1/2		1/2		1/2	
3/4	76,436	3/4	61,509	3/4	47,004	3/4	32,361	3/4	17,283	3/4	2,269	3/4		3/4		3/4		3/4	
4	76,122	4	61,206	4	46,702	4	32,047	4	16,969	4	1,975	4		4		4		4	
1/4	75,808	1/4	60,904	1/4	46,401	1/4	31,732	1/4	16,655	1/4	1,740	1/4		1/4		1/4		1/4	
1/2	75,494	1/2	60,601	1/2	46,099	1/2	31,418	1/2	16,340	1/2	1,504	1/2		1/2		1/2		1/2	
3/4	75,179	3/4	60,299	3/4	45,798	3/4	31,104	3/4	16,026	3/4	1,268	3/4		3/4		3/4		3/4	
5	74,865	5	59,997	5	45,496	5	30,790	5	15,712	5	1,033	5		5		5		5	
1/4	74,551	1/4	59,694	1/4	45,195	1/4	30,476	1/4	15,398	1/4		1/4		1/4		1/4		1/4	
1/2	74,237	1/2	59,392	1/2	44,893	1/2	30,162	1/2	15,084	1/2		1/2		1/2		1/2		1/2	
3/4	73,923	3/4	59,089	3/4	44,592	3/4	29,848	3/4	14,769	3/4		3/4		3/4		3/4		3/4	
6	73,609	6	58,787	6	44,290	6	29,534	6	14,455	6		6		6		6		6	
1/4	73,294	1/4	58,485	1/4	43,989	1/4	29,220	1/4	14,141	1/4		1/4		1/4		1/4		1/4	
1/2	72,980	1/2	58,182	1/2	43,688	1/2	28,906	1/2	13,827	1/2		1/2		1/2		1/2		1/2	
3/4	72,666	3/4	57,880	3/4	43,386	3/4	28,592	3/4	13,513	3/4		3/4		3/4		3/4		3/4	
7	72,352	7	57,577	7	43,085	7	28,278	7	13,199	7		7		7		7		7	
1/4	72,038	1/4	57,275	1/4	42,783	1/4	27,964	1/4	12,884	1/4		1/4		1/4		1/4		1/4	
1/2	71,723	1/2	56,973	1/2	42,482	1/2	27,650	1/2	12,570	1/2		1/2		1/2		1/2		1/2	
3/4	71,409	3/4	56,670	3/4	42,180	3/4	27,336	3/4	12,256	3/4		3/4		3/4		3/4		3/4	
8	71,095	8	56,368	8	41,879	8	27,022	8	11,942	8		8		8		8		8	
1/4	70,781	1/4	56,065	1/4	41,577	1/4	26,708	1/4	11,628	1/4		1/4		1/4		1/4		1/4	
1/2	70,467	1/2	55,763	1/2	41,276	1/2	26,394	1/2	11,314	1/2		1/2		1/2		1/2		1/2	
3/4	70,153	3/4	55,461	3/4	40,974	3/4	26,080	3/4	10,999	3/4		3/4		3/4		3/4		3/4	
9	69,838	9	55,158	9	40,673	9	25,765	9	10,685	9		9		9		9		9	
1/4	69,524	1/4	54,856	1/4	40,371	1/4	25,451	1/4	10,371	1/4		1/4		1/4		1/4		1/4	
1/2	69,210	1/2	54,553	1/2	40,070	1/2	25,137	1/2	10,057	1/2		1/2		1/2		1/2		1/2	
3/4	68,896	3/4	54,251	3/4	39,769	3/4	24,823	3/4	9,743	3/4		3/4		3/4		3/4		3/4	
10	68,582	10	53,949	10	39,467	10	24,509	10	9,429	10		10		10		10		10	
1/4	68,267	1/4	53,646	1/4	39,165	1/4	24,195	1/4	9,114	1/4		1/4		1/4		1/4		1/4	
1/2	67,953	1/2	53,344	1/2	38,863	1/2	23,880	1/2	8,800	1/2		1/2		1/2		1/2		1/2	
3/4	67,639	3/4	53,041	3/4	38,561	3/4	23,566	3/4	8,486	3/4		3/4		3/4		3/4		3/4	
11	67,325	11	52,739	11	38,259	11	23,252	11	8,172	11		11		11		11		11	
1/4	67,011	1/4	52,437	1/4	37,957	1/4	22,938	1/4	7,858	1/4		1/4		1/4		1/4		1/4	
1/2	66,697	1/2	52,134	1/2	37,655	1/2	22,624	1/2	7,544	1/2		1/2		1/2		1/2		1/2	
3/4	66,382	3/4	51,832	3/4	37,352	3/4	22,310	3/4	7,229	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/13/2017 SW  
CALCULATED: 01/14/2017 CL  
PRINTED: 01/16/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "HFL 3008"

## 2 STBD 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	202,443	0	187,424	0	172,385	0	157,315	0	142,245	0	127,175	0	112,105	0	97,028
1/4		1/4		1/4	202,130	1/4	187,111	1/4	172,071	1/4	157,001	1/4	141,931	1/4	126,861	1/4	111,791	1/4	96,714
1/2		1/2		1/2	201,817	1/2	186,798	1/2	171,757	1/2	156,687	1/2	141,617	1/2	126,547	1/2	111,477	1/2	96,400
3/4		3/4		3/4	201,504	3/4	186,485	3/4	171,443	3/4	156,373	3/4	141,303	3/4	126,233	3/4	111,163	3/4	96,086
1		1		1	201,191	1	186,173	1	171,129	1	156,059	1	140,989	1	125,919	1	110,849	1	95,771
1/4		1/4		1/4	200,879	1/4	185,860	1/4	170,815	1/4	155,745	1/4	140,675	1/4	125,605	1/4	110,535	1/4	95,457
1/2		1/2		1/2	200,566	1/2	185,547	1/2	170,501	1/2	155,431	1/2	140,361	1/2	125,291	1/2	110,221	1/2	95,143
3/4		3/4	214,182	3/4	200,253	3/4	185,234	3/4	170,187	3/4	155,117	3/4	140,047	3/4	124,977	3/4	109,907	3/4	94,829
2		2	214,003	2	199,940	2	184,921	2	169,873	2	154,803	2	139,733	2	124,663	2	109,593	2	94,515
1/4		1/4	213,824	1/4	199,627	1/4	184,608	1/4	169,559	1/4	154,489	1/4	139,419	1/4	124,349	1/4	109,278	1/4	94,201
1/2		1/2	213,645	1/2	199,314	1/2	184,295	1/2	169,245	1/2	154,175	1/2	139,105	1/2	124,035	1/2	108,964	1/2	93,887
3/4		3/4	213,466	3/4	199,001	3/4	183,982	3/4	168,931	3/4	153,861	3/4	138,791	3/4	123,721	3/4	108,650	3/4	93,573
3		3	213,234	3	198,688	3	183,669	3	168,617	3	153,547	3	138,477	3	123,407	3	108,336	3	93,258
1/4		1/4	213,003	1/4	198,375	1/4	183,356	1/4	168,303	1/4	153,233	1/4	138,163	1/4	123,093	1/4	108,022	1/4	92,944
1/2		1/2	212,771	1/2	198,063	1/2	183,044	1/2	167,990	1/2	152,919	1/2	137,849	1/2	122,779	1/2	107,708	1/2	92,630
3/4		3/4	212,540	3/4	197,750	3/4	182,731	3/4	167,676	3/4	152,605	3/4	137,535	3/4	122,465	3/4	107,394	3/4	92,316
4		4	212,260	4	197,437	4	182,418	4	167,362	4	152,292	4	137,221	4	122,151	4	107,080	4	92,002
1/4		1/4	211,980	1/4	197,124	1/4	182,105	1/4	167,048	1/4	151,978	1/4	136,908	1/4	121,837	1/4	106,765	1/4	91,688
1/2		1/2	211,700	1/2	196,811	1/2	181,792	1/2	166,734	1/2	151,664	1/2	136,594	1/2	121,523	1/2	106,451	1/2	91,374
3/4		3/4	211,420	3/4	196,498	3/4	181,479	3/4	166,420	3/4	151,350	3/4	136,280	3/4	121,210	3/4	106,137	3/4	91,060
5		5	211,114	5	196,185	5	181,166	5	166,106	5	151,036	5	135,966	5	120,896	5	105,823	5	90,746
1/4		1/4	210,809	1/4	195,872	1/4	180,853	1/4	165,792	1/4	150,722	1/4	135,652	1/4	120,582	1/4	105,509	1/4	90,431
1/2		1/2	210,503	1/2	195,559	1/2	180,540	1/2	165,478	1/2	150,408	1/2	135,338	1/2	120,268	1/2	105,195	1/2	90,117
3/4		3/4	210,197	3/4	195,246	3/4	180,228	3/4	165,164	3/4	150,094	3/4	135,024	3/4	119,954	3/4	104,881	3/4	89,803
6		6	209,888	6	194,934	6	179,915	6	164,850	6	149,780	6	134,710	6	119,640	6	104,567	6	89,489
1/4		1/4	209,578	1/4	194,621	1/4	179,602	1/4	164,536	1/4	149,466	1/4	134,396	1/4	119,326	1/4	104,253	1/4	89,175
1/2		1/2	209,269	1/2	194,308	1/2	179,289	1/2	164,222	1/2	149,152	1/2	134,082	1/2	119,012	1/2	103,938	1/2	88,861
3/4		3/4	208,959	3/4	193,995	3/4	178,976	3/4	163,908	3/4	148,838	3/4	133,768	3/4	118,698	3/4	103,624	3/4	88,547
7		7	208,649	7	193,682	7	178,663	7	163,594	7	148,524	7	133,454	7	118,384	7	103,310	7	88,233
1/4		1/4	208,340	1/4	193,369	1/4	178,349	1/4	163,280	1/4	148,210	1/4	133,140	1/4	118,070	1/4	102,996	1/4	87,918
1/2		1/2	208,030	1/2	193,056	1/2	178,036	1/2	162,966	1/2	147,896	1/2	132,826	1/2	117,756	1/2	102,682	1/2	87,604
3/4		3/4	207,720	3/4	192,743	3/4	177,722	3/4	162,652	3/4	147,582	3/4	132,512	3/4	117,442	3/4	102,368	3/4	87,290
8		8	207,410	8	192,430	8	177,408	8	162,338	8	147,268	8	132,198	8	117,128	8	102,054	8	86,976
1/4		1/4	207,100	1/4	192,118	1/4	177,094	1/4	162,024	1/4	146,954	1/4	131,884	1/4	116,814	1/4	101,740	1/4	86,662
1/2		1/2	206,790	1/2	191,805	1/2	176,780	1/2	161,710	1/2	146,640	1/2	131,570	1/2	116,500	1/2	101,426	1/2	86,348
3/4		3/4	206,480	3/4	191,492	3/4	176,466	3/4	161,396	3/4	146,326	3/4	131,256	3/4	116,186	3/4	101,111	3/4	86,034
9		9	206,170	9	191,179	9	176,152	9	161,082	9	146,012	9	130,942	9	115,872	9	100,797	9	85,720
1/4		1/4	205,860	1/4	190,866	1/4	175,838	1/4	160,768	1/4	145,698	1/4	130,628	1/4	115,558	1/4	100,483	1/4	85,406
1/2		1/2	205,550	1/2	190,553	1/2	175,525	1/2	160,454	1/2	145,384	1/2	130,314	1/2	115,244	1/2	100,169	1/2	85,091
3/4		3/4	205,240	3/4	190,240	3/4	175,211	3/4	160,141	3/4	145,070	3/4	130,000	3/4	114,930	3/4	99,855	3/4	84,777
10		10	204,931	10	189,927	10	174,897	10	159,827	10	144,756	10	129,686	10	114,616	10	99,541	10	84,463
1/4		1/4	204,621	1/4	189,614	1/4	174,583	1/4	159,513	1/4	144,443	1/4	129,372	1/4	114,302	1/4	99,227	1/4	84,149
1/2		1/2	204,311	1/2	189,301	1/2	174,269	1/2	159,199	1/2	144,129	1/2	129,059	1/2	113,988	1/2	98,913	1/2	83,835
3/4		3/4	204,001	3/4	188,989	3/4	173,955	3/4	158,885	3/4	143,815	3/4	128,745	3/4	113,674	3/4	98,598	3/4	83,521
11		11	203,690	11	188,676	11	173,641	11	158,571	11	143,501	11	128,431	11	113,361	11	98,284	11	83,207
1/4		1/4	203,379	1/4	188,363	1/4	173,327	1/4	158,257	1/4	143,187	1/4	128,117	1/4	113,047	1/4	97,970	1/4	82,893
1/2		1/2	203,067	1/2	188,050	1/2	173,013	1/2	157,943	1/2	142,873	1/2	127,803	1/2	112,733	1/2	97,656	1/2	82,578
3/4		3/4	202,756	3/4	187,737	3/4	172,699	3/4	157,629	3/4	142,559	3/4	127,489	3/4	112,419	3/4	97,342	3/4	82,264

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 3008"

## 2 STBD 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	81,950	0	66,873	0	51,795	0	36,753	0	21,678	0	6,600	0		0		0		0	
1/4	81,636	1/4	66,559	1/4	51,482	1/4	36,439	1/4	21,363	1/4	6,286	1/4		1/4		1/4		1/4	
1/2	81,322	1/2	66,244	1/2	51,168	1/2	36,125	1/2	21,049	1/2	5,972	1/2		1/2		1/2		1/2	
3/4	81,008	3/4	65,930	3/4	50,854	3/4	35,810	3/4	20,735	3/4	5,658	3/4		3/4		3/4		3/4	
1	80,694	1	65,616	1	50,541	1	35,496	1	20,421	1	5,344	1		1		1		1	
1/4	80,380	1/4	65,302	1/4	50,227	1/4	35,182	1/4	20,107	1/4	5,030	1/4		1/4		1/4		1/4	
1/2	80,066	1/2	64,988	1/2	49,914	1/2	34,868	1/2	19,793	1/2	4,716	1/2		1/2		1/2		1/2	
3/4	79,751	3/4	64,674	3/4	49,600	3/4	34,554	3/4	19,479	3/4	4,402	3/4		3/4		3/4		3/4	
2	79,437	2	64,360	2	49,287	2	34,240	2	19,165	2	4,089	2		2		2		2	
1/4	79,123	1/4	64,046	1/4	48,974	1/4	33,926	1/4	18,850	1/4	3,776	1/4		1/4		1/4		1/4	
1/2	78,809	1/2	63,731	1/2	48,661	1/2	33,612	1/2	18,536	1/2	3,463	1/2		1/2		1/2		1/2	
3/4	78,495	3/4	63,417	3/4	48,347	3/4	33,298	3/4	18,222	3/4	3,150	3/4		3/4		3/4		3/4	
3	78,181	3	63,103	3	48,034	3	32,983	3	17,908	3	2,856	3		3		3		3	
1/4	77,867	1/4	62,789	1/4	47,721	1/4	32,669	1/4	17,594	1/4	2,562	1/4		1/4		1/4		1/4	
1/2	77,553	1/2	62,475	1/2	47,408	1/2	32,355	1/2	17,280	1/2	2,269	1/2		1/2		1/2		1/2	
3/4	77,238	3/4	62,161	3/4	47,094	3/4	32,041	3/4	16,966	3/4	1,975	3/4		3/4		3/4		3/4	
4	76,924	4	61,847	4	46,781	4	31,727	4	16,652	4	1,739	4		4		4		4	
1/4	76,610	1/4	61,533	1/4	46,468	1/4	31,413	1/4	16,338	1/4	1,504	1/4		1/4		1/4		1/4	
1/2	76,296	1/2	61,219	1/2	46,155	1/2	31,099	1/2	16,023	1/2	1,268	1/2		1/2		1/2		1/2	
3/4	75,982	3/4	60,904	3/4	45,842	3/4	30,785	3/4	15,709	3/4	1,033	3/4		3/4		3/4		3/4	
5	75,668	5	60,590	5	45,529	5	30,471	5	15,395	5		5		5		5		5	
1/4	75,354	1/4	60,276	1/4	45,215	1/4	30,157	1/4	15,081	1/4		1/4		1/4		1/4		1/4	
1/2	75,040	1/2	59,962	1/2	44,902	1/2	29,842	1/2	14,767	1/2		1/2		1/2		1/2		1/2	
3/4	74,726	3/4	59,648	3/4	44,589	3/4	29,528	3/4	14,453	3/4		3/4		3/4		3/4		3/4	
6	74,411	6	59,334	6	44,276	6	29,215	6	14,139	6		6		6		6		6	
1/4	74,097	1/4	59,020	1/4	43,963	1/4	28,901	1/4	13,825	1/4		1/4		1/4		1/4		1/4	
1/2	73,783	1/2	58,706	1/2	43,649	1/2	28,587	1/2	13,511	1/2		1/2		1/2		1/2		1/2	
3/4	73,469	3/4	58,391	3/4	43,336	3/4	28,273	3/4	13,196	3/4		3/4		3/4		3/4		3/4	
7	73,155	7	58,077	7	43,023	7	27,959	7	12,882	7		7		7		7		7	
1/4	72,841	1/4	57,763	1/4	42,710	1/4	27,645	1/4	12,568	1/4		1/4		1/4		1/4		1/4	
1/2	72,527	1/2	57,449	1/2	42,397	1/2	27,331	1/2	12,254	1/2		1/2		1/2		1/2		1/2	
3/4	72,213	3/4	57,135	3/4	42,083	3/4	27,017	3/4	11,940	3/4		3/4		3/4		3/4		3/4	
8	71,898	8	56,821	8	41,770	8	26,703	8	11,626	8		8		8		8		8	
1/4	71,584	1/4	56,507	1/4	41,457	1/4	26,389	1/4	11,312	1/4		1/4		1/4		1/4		1/4	
1/2	71,270	1/2	56,193	1/2	41,144	1/2	26,075	1/2	10,998	1/2		1/2		1/2		1/2		1/2	
3/4	70,956	3/4	55,879	3/4	40,831	3/4	25,761	3/4	10,683	3/4		3/4		3/4		3/4		3/4	
9	70,642	9	55,564	9	40,518	9	25,447	9	10,369	9		9		9		9		9	
1/4	70,328	1/4	55,250	1/4	40,204	1/4	25,133	1/4	10,055	1/4		1/4		1/4		1/4		1/4	
1/2	70,014	1/2	54,936	1/2	39,891	1/2	24,819	1/2	9,741	1/2		1/2		1/2		1/2		1/2	
3/4	69,700	3/4	54,622	3/4	39,578	3/4	24,505	3/4	9,427	3/4		3/4		3/4		3/4		3/4	
10	69,386	10	54,308	10	39,264	10	24,190	10	9,113	10		10		10		10		10	
1/4	69,071	1/4	53,994	1/4	38,951	1/4	23,876	1/4	8,799	1/4		1/4		1/4		1/4		1/4	
1/2	68,757	1/2	53,680	1/2	38,637	1/2	23,562	1/2	8,485	1/2		1/2		1/2		1/2		1/2	
3/4	68,443	3/4	53,366	3/4	38,323	3/4	23,248	3/4	8,171	3/4		3/4		3/4		3/4		3/4	
11	68,129	11	53,051	11	38,009	11	22,934	11	7,856	11		11		11		11		11	
1/4	67,815	1/4	52,737	1/4	37,695	1/4	22,620	1/4	7,542	1/4		1/4		1/4		1/4		1/4	
1/2	67,501	1/2	52,423	1/2	37,381	1/2	22,306	1/2	7,228	1/2		1/2		1/2		1/2		1/2	
3/4	67,187	3/4	52,109	3/4	37,067	3/4	21,992	3/4	6,914	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/13/2017 SW  
CALCULATED: 01/14/2017 CL  
PRINTED: 01/16/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2017

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



# BARGE "HFL 3008"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 04 1/2"

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	183,337	0	173,023	0	162,693	0	152,342	0	140,105	0	125,166	0	110,226	0	95,272
1/4		1/4		1/4	183,122	1/4	172,808	1/4	162,477	1/4	152,127	1/4	139,794	1/4	124,854	1/4	109,914	1/4	94,960
1/2		1/2		1/2	182,907	1/2	172,593	1/2	162,262	1/2	151,911	1/2	139,483	1/2	124,543	1/2	109,603	1/2	94,649
3/4		3/4		3/4	182,692	3/4	172,378	3/4	162,046	3/4	151,695	3/4	139,172	3/4	124,232	3/4	109,292	3/4	94,338
1		1		1	182,477	1	172,163	1	161,830	1	151,480	1	138,861	1	123,921	1	108,980	1	94,026
1/4		1/4		1/4	182,262	1/4	171,948	1/4	161,615	1/4	151,264	1/4	138,549	1/4	123,609	1/4	108,669	1/4	93,715
1/2		1/2		1/2	191,671	1/2	182,048	1/2	171,733	1/2	161,399	1/2	151,048	1/2	138,238	1/2	123,298	1/2	108,358
3/4		3/4		3/4	191,548	3/4	181,833	3/4	171,518	3/4	161,184	3/4	150,833	3/4	137,927	3/4	122,987	3/4	108,047
2		2		2	191,424	2	181,618	2	171,303	2	160,968	2	150,617	2	137,616	2	122,676	2	107,735
1/4		1/4		1/4	191,301	1/4	181,403	1/4	171,089	1/4	160,752	1/4	150,402	1/4	137,304	1/4	122,364	1/4	107,424
1/2		1/2		1/2	191,177	1/2	181,188	1/2	170,874	1/2	160,537	1/2	150,186	1/2	136,993	1/2	122,053	1/2	107,112
3/4		3/4		3/4	191,018	3/4	180,973	3/4	170,659	3/4	160,321	3/4	149,970	3/4	136,682	3/4	121,742	3/4	106,801
3		3		3	190,859	3	180,758	3	170,444	3	160,105	3	149,755	3	136,371	3	121,431	3	106,489
1/4		1/4		1/4	190,699	1/4	180,543	1/4	170,229	1/4	159,890	1/4	149,539	1/4	136,059	1/4	121,119	1/4	106,178
1/2		1/2		1/2	190,540	1/2	180,328	1/2	170,014	1/2	159,674	1/2	149,323	1/2	135,748	1/2	120,808	1/2	105,866
3/4		3/4		3/4	190,347	3/4	180,114	3/4	169,799	3/4	159,458	3/4	149,104	3/4	135,437	3/4	120,497	3/4	105,555
4		4		4	190,154	4	179,899	4	169,584	4	159,243	4	148,885	4	135,126	4	120,186	4	105,243
1/4		1/4		1/4	189,961	1/4	179,684	1/4	169,370	1/4	159,027	1/4	148,666	1/4	134,814	1/4	119,874	1/4	104,931
1/2		1/2		1/2	189,769	1/2	179,469	1/2	169,155	1/2	158,812	1/2	148,447	1/2	134,503	1/2	119,563	1/2	104,620
3/4		3/4		3/4	189,557	3/4	179,254	3/4	168,940	3/4	158,596	3/4	148,216	3/4	134,192	3/4	119,252	3/4	104,308
5		5		5	189,346	5	179,039	5	168,725	5	158,380	5	147,985	5	133,881	5	118,941	5	103,996
1/4		1/4		1/4	189,135	1/4	178,824	1/4	168,510	1/4	158,165	1/4	147,755	1/4	133,569	1/4	118,629	1/4	103,685
1/2		1/2		1/2	188,924	1/2	178,609	1/2	168,295	1/2	157,949	1/2	147,524	1/2	133,258	1/2	118,318	1/2	103,373
3/4		3/4		3/4	188,709	3/4	178,395	3/4	168,080	3/4	157,733	3/4	147,277	3/4	132,947	3/4	118,007	3/4	103,061
6		6		6	188,494	6	178,180	6	167,865	6	157,518	6	147,030	6	132,636	6	117,696	6	102,750
1/4		1/4		1/4	188,280	1/4	177,965	1/4	167,650	1/4	157,302	1/4	146,784	1/4	132,324	1/4	117,384	1/4	102,438
1/2		1/2		1/2	188,065	1/2	177,750	1/2	167,436	1/2	157,086	1/2	146,537	1/2	132,013	1/2	117,073	1/2	102,126
3/4		3/4		3/4	187,850	3/4	177,535	3/4	167,220	3/4	156,871	3/4	146,274	3/4	131,702	3/4	116,762	3/4	101,815
7		7		7	187,635	7	177,320	7	167,005	7	156,655	7	146,012	7	131,391	7	116,451	7	101,503
1/4		1/4		1/4	187,420	1/4	177,105	1/4	166,790	1/4	156,439	1/4	145,749	1/4	131,079	1/4	116,139	1/4	101,191
1/2		1/2		1/2	187,205	1/2	176,890	1/2	166,575	1/2	156,224	1/2	145,487	1/2	130,768	1/2	115,828	1/2	100,880
3/4		3/4		3/4	186,990	3/4	176,675	3/4	166,359	3/4	156,008	3/4	145,209	3/4	130,457	3/4	115,517	3/4	100,568
8		8		8	186,775	8	176,461	8	166,143	8	155,793	8	144,931	8	130,146	8	115,206	8	100,256
1/4		1/4		1/4	186,560	1/4	176,246	1/4	165,928	1/4	155,577	1/4	144,653	1/4	129,834	1/4	114,894	1/4	99,945
1/2		1/2		1/2	186,345	1/2	176,031	1/2	165,712	1/2	155,361	1/2	144,374	1/2	129,523	1/2	114,583	1/2	99,633
3/4		3/4		3/4	186,130	3/4	175,816	3/4	165,496	3/4	155,146	3/4	144,080	3/4	129,212	3/4	114,272	3/4	99,321
9		9		9	185,915	9	175,601	9	165,281	9	154,930	9	143,786	9	128,901	9	113,961	9	99,010
1/4		1/4		1/4	185,701	1/4	175,386	1/4	165,065	1/4	154,714	1/4	143,492	1/4	128,589	1/4	113,649	1/4	98,698
1/2		1/2		1/2	185,486	1/2	175,171	1/2	164,849	1/2	154,499	1/2	143,198	1/2	128,278	1/2	113,338	1/2	98,386
3/4		3/4		3/4	185,271	3/4	174,956	3/4	164,634	3/4	154,283	3/4	142,891	3/4	127,967	3/4	113,027	3/4	98,075
10		10		10	185,056	10	174,742	10	164,418	10	154,067	10	142,585	10	127,656	10	112,716	10	97,763
1/4		1/4		1/4	184,841	1/4	174,527	1/4	164,203	1/4	153,852	1/4	142,278	1/4	127,344	1/4	112,404	1/4	97,452
1/2		1/2		1/2	184,626	1/2	174,312	1/2	163,987	1/2	153,636	1/2	141,972	1/2	127,033	1/2	112,093	1/2	97,140
3/4		3/4		3/4	184,411	3/4	174,097	3/4	163,771	3/4	153,421	3/4	141,661	3/4	126,722	3/4	111,782	3/4	96,829
11		11		11	184,196	11	173,882	11	163,556	11	153,205	11	141,350	11	126,411	11	111,471	11	96,517
1/4		1/4		1/4	183,981	1/4	173,667	1/4	163,340	1/4	152,989	1/4	141,039	1/4	126,099	1/4	111,159	1/4	96,206
1/2		1/2		1/2	183,767	1/2	173,452	1/2	163,124	1/2	152,774	1/2	140,728	1/2	125,788	1/2	110,848	1/2	95,895
3/4		3/4		3/4	183,552	3/4	173,237	3/4	162,909	3/4	152,558	3/4	140,417	3/4	125,477	3/4	110,537	3/4	95,583

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'-03" FORWARD OF AFT BULKHEAD.

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





# BARGE "HFL 3008"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 04 1/2"

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	80,316	0	65,432	0	50,737	0	36,173	0	21,219	0	6,247	0		0		0		0	
1/4	80,005	1/4	65,122	1/4	50,435	1/4	35,865	1/4	20,907	1/4	5,935	1/4		1/4		1/4		1/4	
1/2	79,693	1/2	64,812	1/2	50,133	1/2	35,557	1/2	20,596	1/2	5,624	1/2		1/2		1/2		1/2	
3/4	79,381	3/4	64,503	3/4	49,831	3/4	35,246	3/4	20,284	3/4	5,312	3/4		3/4		3/4		3/4	
1	79,070	1	64,193	1	49,529	1	34,935	1	19,972	1	5,000	1		1		1		1	
1/4	78,758	1/4	63,883	1/4	49,227	1/4	34,624	1/4	19,660	1/4	4,688	1/4		1/4		1/4		1/4	
1/2	78,446	1/2	63,573	1/2	48,925	1/2	34,312	1/2	19,348	1/2	4,376	1/2		1/2		1/2		1/2	
3/4	78,135	3/4	63,263	3/4	48,623	3/4	34,001	3/4	19,037	3/4	4,064	3/4		3/4		3/4		3/4	
2	77,825	2	62,952	2	48,321	2	33,689	2	18,725	2	3,753	2		2		2		2	
1/4	77,514	1/4	62,642	1/4	48,019	1/4	33,377	1/4	18,413	1/4	3,442	1/4		1/4		1/4		1/4	
1/2	77,203	1/2	62,331	1/2	47,717	1/2	33,065	1/2	18,101	1/2	3,131	1/2		1/2		1/2		1/2	
3/4	76,893	3/4	62,020	3/4	47,416	3/4	32,753	3/4	17,789	3/4	2,839	3/4		3/4		3/4		3/4	
3	76,584	3	61,708	3	47,114	3	32,442	3	17,478	3	2,547	3		3		3		3	
1/4	76,274	1/4	61,397	1/4	46,813	1/4	32,130	1/4	17,166	1/4	2,255	1/4		1/4		1/4		1/4	
1/2	75,964	1/2	61,085	1/2	46,511	1/2	31,818	1/2	16,854	1/2	1,963	1/2		1/2		1/2		1/2	
3/4	75,654	3/4	60,774	3/4	46,210	3/4	31,506	3/4	16,542	3/4	1,728	3/4		3/4		3/4		3/4	
4	75,344	4	60,462	4	45,909	4	31,194	4	16,230	4	1,494	4		4		4		4	
1/4	75,035	1/4	60,151	1/4	45,608	1/4	30,883	1/4	15,919	1/4	1,260	1/4		1/4		1/4		1/4	
1/2	74,725	1/2	59,840	1/2	45,307	1/2	30,571	1/2	15,607	1/2	1,026	1/2		1/2		1/2		1/2	
3/4	74,415	3/4	59,531	3/4	45,004	3/4	30,259	3/4	15,295	3/4		3/4		3/4		3/4		3/4	
5	74,105	5	59,223	5	44,701	5	29,947	5	14,983	5		5		5		5		5	
1/4	73,796	1/4	58,915	1/4	44,398	1/4	29,636	1/4	14,672	1/4		1/4		1/4		1/4		1/4	
1/2	73,486	1/2	58,606	1/2	44,095	1/2	29,324	1/2	14,360	1/2		1/2		1/2		1/2		1/2	
3/4	73,176	3/4	58,301	3/4	43,791	3/4	29,012	3/4	14,048	3/4		3/4		3/4		3/4		3/4	
6	72,866	6	57,996	6	43,486	6	28,701	6	13,736	6		6		6		6		6	
1/4	72,557	1/4	57,691	1/4	43,182	1/4	28,389	1/4	13,424	1/4		1/4		1/4		1/4		1/4	
1/2	72,247	1/2	57,386	1/2	42,877	1/2	28,078	1/2	13,113	1/2		1/2		1/2		1/2		1/2	
3/4	71,937	3/4	57,082	3/4	42,573	3/4	27,766	3/4	12,801	3/4		3/4		3/4		3/4		3/4	
7	71,627	7	56,779	7	42,268	7	27,454	7	12,489	7		7		7		7		7	
1/4	71,317	1/4	56,475	1/4	41,964	1/4	27,143	1/4	12,177	1/4		1/4		1/4		1/4		1/4	
1/2	71,008	1/2	56,172	1/2	41,660	1/2	26,831	1/2	11,865	1/2		1/2		1/2		1/2		1/2	
3/4	70,698	3/4	55,870	3/4	41,355	3/4	26,519	3/4	11,553	3/4		3/4		3/4		3/4		3/4	
8	70,388	8	55,568	8	41,051	8	26,208	8	11,241	8		8		8		8		8	
1/4	70,078	1/4	55,266	1/4	40,746	1/4	25,896	1/4	10,929	1/4		1/4		1/4		1/4		1/4	
1/2	69,769	1/2	54,964	1/2	40,442	1/2	25,584	1/2	10,617	1/2		1/2		1/2		1/2		1/2	
3/4	69,459	3/4	54,662	3/4	40,137	3/4	25,272	3/4	10,305	3/4		3/4		3/4		3/4		3/4	
9	69,149	9	54,360	9	39,833	9	24,961	9	9,993	9		9		9		9		9	
1/4	68,839	1/4	54,058	1/4	39,528	1/4	24,649	1/4	9,680	1/4		1/4		1/4		1/4		1/4	
1/2	68,530	1/2	53,756	1/2	39,224	1/2	24,337	1/2	9,368	1/2		1/2		1/2		1/2		1/2	
3/4	68,220	3/4	53,454	3/4	38,919	3/4	24,025	3/4	9,056	3/4		3/4		3/4		3/4		3/4	
10	67,910	10	53,152	10	38,615	10	23,713	10	8,744	10		10		10		10		10	
1/4	67,600	1/4	52,850	1/4	38,310	1/4	23,402	1/4	8,432	1/4		1/4		1/4		1/4		1/4	
1/2	67,291	1/2	52,549	1/2	38,006	1/2	23,090	1/2	8,119	1/2		1/2		1/2		1/2		1/2	
3/4	66,981	3/4	52,247	3/4	37,701	3/4	22,778	3/4	7,807	3/4		3/4		3/4		3/4		3/4	
11	66,671	11	51,945	11	37,397	11	22,466	11	7,495	11		11		11		11		11	
1/4	66,361	1/4	51,643	1/4	37,092	1/4	22,155	1/4	7,183	1/4		1/4		1/4		1/4		1/4	
1/2	66,051	1/2	51,341	1/2	36,788	1/2	21,843	1/2	6,871	1/2		1/2		1/2		1/2		1/2	
3/4	65,742	3/4	51,039	3/4	36,480	3/4	21,531	3/4	6,559	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/13/2017 SW  
CALCULATED: 01/14/2017 CL  
PRINTED: 01/16/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2017

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





# BARGE "HFL 3008"

## 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	184,904	0	174,584	0	164,250	0	153,893	0	141,827	0	126,846	0	111,865	0	96,868
1/4		1/4		1/4	184,689	1/4	174,369	1/4	164,034	1/4	153,677	1/4	141,515	1/4	126,534	1/4	111,552	1/4	96,556
1/2		1/2		1/2	184,474	1/2	174,154	1/2	163,818	1/2	153,462	1/2	141,203	1/2	126,222	1/2	111,240	1/2	96,243
3/4		3/4		3/4	184,259	3/4	173,939	3/4	163,603	3/4	153,246	3/4	140,891	3/4	125,910	3/4	110,928	3/4	95,930
1		1		1	184,044	1	173,724	1	163,387	1	153,030	1	140,579	1	125,598	1	110,616	1	95,618
1/4		1/4		1/4	183,829	1/4	173,509	1/4	163,171	1/4	152,814	1/4	140,267	1/4	125,285	1/4	110,304	1/4	95,305
1/2		1/2		1/2	183,614	1/2	173,294	1/2	162,955	1/2	152,598	1/2	139,955	1/2	124,973	1/2	109,992	1/2	94,993
3/4		3/4		3/4	183,399	3/4	173,079	3/4	162,739	3/4	152,383	3/4	139,643	3/4	124,661	3/4	109,680	3/4	94,680
2		2	192,813	2	183,184	2	172,864	2	162,524	2	152,167	2	139,330	2	124,349	2	109,367	2	94,368
1/4		1/4	192,689	1/4	182,969	1/4	172,649	1/4	162,308	1/4	151,951	1/4	139,018	1/4	124,037	1/4	109,055	1/4	94,055
1/2		1/2	192,566	1/2	182,754	1/2	172,434	1/2	162,092	1/2	151,735	1/2	138,706	1/2	123,725	1/2	108,743	1/2	93,743
3/4		3/4	192,442	3/4	182,539	3/4	172,219	3/4	161,876	3/4	151,520	3/4	138,394	3/4	123,413	3/4	108,431	3/4	93,430
3		3	192,319	3	182,324	3	172,004	3	161,661	3	151,304	3	138,082	3	123,101	3	108,118	3	93,118
1/4		1/4	192,160	1/4	182,109	1/4	171,789	1/4	161,445	1/4	151,088	1/4	137,770	1/4	122,788	1/4	107,806	1/4	92,805
1/2		1/2	192,000	1/2	181,894	1/2	171,574	1/2	161,229	1/2	150,872	1/2	137,458	1/2	122,476	1/2	107,494	1/2	92,493
3/4		3/4	191,841	3/4	181,679	3/4	171,359	3/4	161,013	3/4	150,657	3/4	137,146	3/4	122,164	3/4	107,181	3/4	92,180
4		4	191,681	4	181,464	4	171,144	4	160,798	4	150,441	4	136,834	4	121,852	4	106,869	4	91,868
1/4		1/4	191,488	1/4	181,249	1/4	170,929	1/4	160,582	1/4	150,222	1/4	136,521	1/4	121,540	1/4	106,556	1/4	91,555
1/2		1/2	191,295	1/2	181,034	1/2	170,714	1/2	160,366	1/2	150,022	1/2	136,209	1/2	121,228	1/2	106,244	1/2	91,243
3/4		3/4	191,102	3/4	180,819	3/4	170,499	3/4	160,150	3/4	149,783	3/4	135,897	3/4	120,916	3/4	105,931	3/4	90,930
5		5	190,910	5	180,604	5	170,284	5	159,934	5	149,564	5	135,585	5	120,604	5	105,619	5	90,617
1/4		1/4	190,698	1/4	180,389	1/4	170,069	1/4	159,719	1/4	149,333	1/4	135,273	1/4	120,292	1/4	105,306	1/4	90,305
1/2		1/2	190,487	1/2	180,174	1/2	169,854	1/2	159,503	1/2	149,102	1/2	134,961	1/2	119,979	1/2	104,994	1/2	89,992
3/4		3/4	190,275	3/4	179,959	3/4	169,639	3/4	159,287	3/4	148,871	3/4	134,649	3/4	119,667	3/4	104,681	3/4	89,680
6		6	190,064	6	179,744	6	169,424	6	159,071	6	148,640	6	134,337	6	119,355	6	104,369	6	89,367
1/4		1/4	189,849	1/4	179,529	1/4	169,209	1/4	158,856	1/4	148,393	1/4	134,025	1/4	119,043	1/4	104,056	1/4	89,055
1/2		1/2	189,635	1/2	179,314	1/2	168,994	1/2	158,640	1/2	148,146	1/2	133,712	1/2	118,731	1/2	103,744	1/2	88,742
3/4		3/4	189,420	3/4	179,099	3/4	168,779	3/4	158,424	3/4	147,899	3/4	133,400	3/4	118,419	3/4	103,431	3/4	88,430
7		7	189,205	7	178,884	7	168,564	7	158,208	7	147,652	7	133,088	7	118,107	7	103,119	7	88,117
1/4		1/4	188,990	1/4	178,669	1/4	168,348	1/4	157,993	1/4	147,389	1/4	132,776	1/4	117,795	1/4	102,806	1/4	87,805
1/2		1/2	188,775	1/2	178,454	1/2	168,133	1/2	157,777	1/2	147,126	1/2	132,464	1/2	117,483	1/2	102,494	1/2	87,492
3/4		3/4	188,560	3/4	178,239	3/4	167,917	3/4	157,561	3/4	146,863	3/4	132,152	3/4	117,170	3/4	102,181	3/4	87,180
8		8	188,345	8	178,024	8	167,702	8	157,345	8	146,600	8	131,840	8	116,858	8	101,869	8	86,867
1/4		1/4	188,130	1/4	177,809	1/4	167,486	1/4	157,130	1/4	146,321	1/4	131,528	1/4	116,546	1/4	101,556	1/4	86,555
1/2		1/2	187,915	1/2	177,594	1/2	167,271	1/2	156,914	1/2	146,042	1/2	131,216	1/2	116,234	1/2	101,243	1/2	86,242
3/4		3/4	187,699	3/4	177,379	3/4	167,055	3/4	156,698	3/4	145,763	3/4	130,903	3/4	115,922	3/4	100,931	3/4	85,929
9		9	187,484	9	177,164	9	166,839	9	156,482	9	145,484	9	130,591	9	115,610	9	100,618	9	85,617
1/4		1/4	187,269	1/4	176,949	1/4	166,623	1/4	156,266	1/4	145,189	1/4	130,279	1/4	115,298	1/4	100,306	1/4	85,304
1/2		1/2	187,054	1/2	176,734	1/2	166,407	1/2	156,051	1/2	144,894	1/2	129,967	1/2	114,986	1/2	99,993	1/2	84,992
3/4		3/4	186,839	3/4	176,519	3/4	166,192	3/4	155,835	3/4	144,599	3/4	129,655	3/4	114,674	3/4	99,681	3/4	84,679
10		10	186,624	10	176,304	10	165,976	10	155,619	10	144,304	10	129,343	10	114,361	10	99,368	10	84,367
1/4		1/4	186,409	1/4	176,089	1/4	165,760	1/4	155,403	1/4	143,997	1/4	129,031	1/4	114,049	1/4	99,056	1/4	84,054
1/2		1/2	186,194	1/2	175,874	1/2	165,544	1/2	155,188	1/2	143,689	1/2	128,719	1/2	113,737	1/2	98,743	1/2	83,742
3/4		3/4	185,979	3/4	175,659	3/4	165,329	3/4	154,972	3/4	143,382	3/4	128,407	3/4	113,425	3/4	98,431	3/4	83,429
11		11	185,764	11	175,444	11	165,113	11	154,756	11	143,074	11	128,094	11	113,113	11	98,118	11	83,117
1/4		1/4	185,549	1/4	175,229	1/4	164,897	1/4	154,540	1/4	142,763	1/4	127,782	1/4	112,801	1/4	97,806	1/4	82,804
1/2		1/2	185,334	1/2	175,014	1/2	164,681	1/2	154,325	1/2	142,451	1/2	127,470	1/2	112,489	1/2	97,493	1/2	82,492
3/4		3/4	185,119	3/4	174,799	3/4	164,466	3/4	154,109	3/4	142,139	3/4	127,158	3/4	112,177	3/4	97,181	3/4	82,179

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'-03" FORWARD OF AFT BULKHEAD.

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# BARGE "HFL 3008"

## 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	81,867	0	66,865	0	51,864	0	36,877	0	21,879	0	6,878	0		0		0		0	
1/4	81,554	1/4	66,553	1/4	51,551	1/4	36,565	1/4	21,567	1/4	6,566	1/4		1/4		1/4		1/4	
1/2	81,242	1/2	66,240	1/2	51,239	1/2	36,253	1/2	21,254	1/2	6,253	1/2		1/2		1/2		1/2	
3/4	80,929	3/4	65,928	3/4	50,926	3/4	35,941	3/4	20,942	3/4	5,941	3/4		3/4		3/4		3/4	
1	80,616	1	65,615	1	50,614	1	35,629	1	20,629	1	5,628	1		1		1		1	
1/4	80,304	1/4	65,303	1/4	50,301	1/4	35,317	1/4	20,317	1/4	5,316	1/4		1/4		1/4		1/4	
1/2	79,991	1/2	64,990	1/2	49,989	1/2	35,005	1/2	20,004	1/2	5,004	1/2		1/2		1/2		1/2	
3/4	79,679	3/4	64,677	3/4	49,676	3/4	34,692	3/4	19,692	3/4	4,691	3/4		3/4		3/4		3/4	
2	79,366	2	64,365	2	49,364	2	34,380	2	19,379	2	4,379	2		2		2		2	
1/4	79,054	1/4	64,052	1/4	49,051	1/4	34,068	1/4	19,067	1/4	4,068	1/4		1/4		1/4		1/4	
1/2	78,741	1/2	63,740	1/2	48,738	1/2	33,755	1/2	18,754	1/2	3,756	1/2		1/2		1/2		1/2	
3/4	78,429	3/4	63,427	3/4	48,426	3/4	33,443	3/4	18,442	3/4	3,445	3/4		3/4		3/4		3/4	
3	78,116	3	63,115	3	48,113	3	33,130	3	18,129	3	3,133	3		3		3		3	
1/4	77,804	1/4	62,802	1/4	47,801	1/4	32,817	1/4	17,816	1/4	2,841	1/4		1/4		1/4		1/4	
1/2	77,491	1/2	62,490	1/2	47,489	1/2	32,505	1/2	17,504	1/2	2,549	1/2		1/2		1/2		1/2	
3/4	77,179	3/4	62,177	3/4	47,176	3/4	32,192	3/4	17,191	3/4	2,256	3/4		3/4		3/4		3/4	
4	76,866	4	61,865	4	46,864	4	31,880	4	16,879	4	1,964	4		4		4		4	
1/4	76,554	1/4	61,552	1/4	46,552	1/4	31,567	1/4	16,566	1/4	1,730	1/4		1/4		1/4		1/4	
1/2	76,241	1/2	61,240	1/2	46,239	1/2	31,255	1/2	16,254	1/2	1,496	1/2		1/2		1/2		1/2	
3/4	75,929	3/4	60,927	3/4	45,927	3/4	30,942	3/4	15,941	3/4	1,261	3/4		3/4		3/4		3/4	
5	75,616	5	60,615	5	45,615	5	30,630	5	15,629	5	1,027	5		5		5		5	
1/4	75,303	1/4	60,302	1/4	45,303	1/4	30,317	1/4	15,316	1/4		1/4		1/4		1/4		1/4	
1/2	74,991	1/2	59,990	1/2	44,990	1/2	30,005	1/2	15,004	1/2		1/2		1/2		1/2		1/2	
3/4	74,678	3/4	59,677	3/4	44,678	3/4	29,692	3/4	14,691	3/4		3/4		3/4		3/4		3/4	
6	74,366	6	59,364	6	44,366	6	29,380	6	14,379	6		6		6		6		6	
1/4	74,053	1/4	59,052	1/4	44,054	1/4	29,067	1/4	14,066	1/4		1/4		1/4		1/4		1/4	
1/2	73,741	1/2	58,739	1/2	43,742	1/2	28,755	1/2	13,754	1/2		1/2		1/2		1/2		1/2	
3/4	73,428	3/4	58,427	3/4	43,430	3/4	28,442	3/4	13,441	3/4		3/4		3/4		3/4		3/4	
7	73,116	7	58,114	7	43,118	7	28,130	7	13,129	7		7		7		7		7	
1/4	72,803	1/4	57,802	1/4	42,806	1/4	27,817	1/4	12,816	1/4		1/4		1/4		1/4		1/4	
1/2	72,491	1/2	57,489	1/2	42,494	1/2	27,505	1/2	12,504	1/2		1/2		1/2		1/2		1/2	
3/4	72,178	3/4	57,177	3/4	42,182	3/4	27,192	3/4	12,191	3/4		3/4		3/4		3/4		3/4	
8	71,866	8	56,864	8	41,870	8	26,880	8	11,879	8		8		8		8		8	
1/4	71,553	1/4	56,552	1/4	41,558	1/4	26,567	1/4	11,566	1/4		1/4		1/4		1/4		1/4	
1/2	71,241	1/2	56,239	1/2	41,246	1/2	26,255	1/2	11,254	1/2		1/2		1/2		1/2		1/2	
3/4	70,928	3/4	55,927	3/4	40,934	3/4	25,942	3/4	10,941	3/4		3/4		3/4		3/4		3/4	
9	70,616	9	55,614	9	40,622	9	25,630	9	10,629	9		9		9		9		9	
1/4	70,303	1/4	55,302	1/4	40,310	1/4	25,317	1/4	10,316	1/4		1/4		1/4		1/4		1/4	
1/2	69,990	1/2	54,989	1/2	39,998	1/2	25,004	1/2	10,003	1/2		1/2		1/2		1/2		1/2	
3/4	69,678	3/4	54,677	3/4	39,686	3/4	24,692	3/4	9,691	3/4		3/4		3/4		3/4		3/4	
10	69,365	10	54,364	10	39,374	10	24,379	10	9,378	10		10		10		10		10	
1/4	69,053	1/4	54,051	1/4	39,062	1/4	24,067	1/4	9,066	1/4		1/4		1/4		1/4		1/4	
1/2	68,740	1/2	53,739	1/2	38,750	1/2	23,754	1/2	8,753	1/2		1/2		1/2		1/2		1/2	
3/4	68,428	3/4	53,426	3/4	38,437	3/4	23,442	3/4	8,441	3/4		3/4		3/4		3/4		3/4	
11	68,115	11	53,114	11	38,125	11	23,129	11	8,128	11		11		11		11		11	
1/4	67,803	1/4	52,801	1/4	37,813	1/4	22,817	1/4	7,816	1/4		1/4		1/4		1/4		1/4	
1/2	67,490	1/2	52,489	1/2	37,501	1/2	22,504	1/2	7,503	1/2		1/2		1/2		1/2		1/2	
3/4	67,178	3/4	52,176	3/4	37,189	3/4	22,192	3/4	7,191	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/13/2017 SW  
CALCULATED: 01/14/2017 CL  
PRINTED: 01/16/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2017

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



# BARGE "HFL 3008"

# PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06"

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	4,137	0	2,982	0	1,829	0	674	0		0		0		0	
1/4		1/4		1/4	4,113	1/4	2,958	1/4	1,804	1/4	650	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,089	1/2	2,934	1/2	1,780	1/2	626	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,065	3/4	2,910	3/4	1,756	3/4	602	3/4		3/4		3/4		3/4	
1		1	5,140	1	4,041	1	2,886	1	1,732	1	577	1		1		1		1	
1/4		1/4	5,128	1/4	4,017	1/4	2,862	1/4	1,708	1/4	553	1/4		1/4		1/4		1/4	
1/2		1/2	5,117	1/2	3,993	1/2	2,838	1/2	1,684	1/2	529	1/2		1/2		1/2		1/2	
3/4		3/4	5,105	3/4	3,969	3/4	2,814	3/4	1,660	3/4	505	3/4		3/4		3/4		3/4	
2		2	5,093	2	3,945	2	2,790	2	1,636	2	481	2		2		2		2	
1/4		1/4	5,070	1/4	3,921	1/4	2,766	1/4	1,612	1/4	457	1/4		1/4		1/4		1/4	
1/2		1/2	5,046	1/2	3,897	1/2	2,742	1/2	1,588	1/2	433	1/2		1/2		1/2		1/2	
3/4		3/4	5,023	3/4	3,873	3/4	2,718	3/4	1,564	3/4	409	3/4		3/4		3/4		3/4	
3		3	4,999	3	3,849	3	2,693	3	1,540	3	385	3		3		3		3	
1/4		1/4	4,975	1/4	3,824	1/4	2,669	1/4	1,516	1/4	361	1/4		1/4		1/4		1/4	
1/2		1/2	4,952	1/2	3,800	1/2	2,645	1/2	1,492	1/2	337	1/2		1/2		1/2		1/2	
3/4		3/4	4,928	3/4	3,776	3/4	2,621	3/4	1,468	3/4	313	3/4		3/4		3/4		3/4	
4		4	4,904	4	3,752	4	2,597	4	1,444	4	289	4		4		4		4	
1/4		1/4	4,881	1/4	3,728	1/4	2,573	1/4	1,419	1/4	265	1/4		1/4		1/4		1/4	
1/2		1/2	4,857	1/2	3,704	1/2	2,550	1/2	1,395	1/2	241	1/2		1/2		1/2		1/2	
3/4		3/4	4,833	3/4	3,680	3/4	2,526	3/4	1,371	3/4	217	3/4		3/4		3/4		3/4	
5		5	4,810	5	3,656	5	2,502	5	1,347	5	192	5		5		5		5	
1/4		1/4	4,786	1/4	3,632	1/4	2,478	1/4	1,323	1/4	168	1/4		1/4		1/4		1/4	
1/2		1/2	4,762	1/2	3,608	1/2	2,454	1/2	1,299	1/2	144	1/2		1/2		1/2		1/2	
3/4		3/4	4,739	3/4	3,584	3/4	2,430	3/4	1,275	3/4	120	3/4		3/4		3/4		3/4	
6		6	4,715	6	3,560	6	2,406	6	1,251	6	96	6		6		6		6	
1/4		1/4	4,691	1/4	3,536	1/4	2,382	1/4	1,227	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,667	1/2	3,512	1/2	2,358	1/2	1,203	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,643	3/4	3,488	3/4	2,334	3/4	1,179	3/4		3/4		3/4		3/4		3/4	
7		7	4,619	7	3,464	7	2,310	7	1,155	7		7		7		7		7	
1/4		1/4	4,594	1/4	3,439	1/4	2,286	1/4	1,131	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,570	1/2	3,415	1/2	2,262	1/2	1,107	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,546	3/4	3,391	3/4	2,238	3/4	1,083	3/4		3/4		3/4		3/4		3/4	
8		8	4,522	8	3,367	8	2,214	8	1,059	8		8		8		8		8	
1/4		1/4	4,498	1/4	3,343	1/4	2,189	1/4	1,035	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,474	1/2	3,319	1/2	2,165	1/2	1,011	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,450	3/4	3,295	3/4	2,141	3/4	987	3/4		3/4		3/4		3/4		3/4	
9		9	4,426	9	3,271	9	2,117	9	962	9		9		9		9		9	
1/4		1/4	4,402	1/4	3,247	1/4	2,093	1/4	938	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,378	1/2	3,223	1/2	2,069	1/2	914	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,354	3/4	3,199	3/4	2,045	3/4	890	3/4		3/4		3/4		3/4		3/4	
10		10	4,330	10	3,175	10	2,021	10	866	10		10		10		10		10	
1/4		1/4	4,306	1/4	3,151	1/4	1,997	1/4	842	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,282	1/2	3,127	1/2	1,973	1/2	818	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,258	3/4	3,103	3/4	1,949	3/4	794	3/4		3/4		3/4		3/4		3/4	
11		11	4,234	11	3,078	11	1,925	11	770	11		11		11		11		11	
1/4		1/4	4,209	1/4	3,054	1/4	1,901	1/4	746	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,185	1/2	3,030	1/2	1,877	1/2	722	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,161	3/4	3,006	3/4	1,853	3/4	698	3/4		3/4		3/4		3/4		3/4	

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

STRAPPED: 01/13/2017 SW  
CALCULATED: 01/14/2017 CL  
PRINTED: 01/16/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "HFL 3008"

# STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06"

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	4,137	0	2,982	0	1,829	0	674	0		0		0		0	
1/4		1/4		1/4	4,113	1/4	2,958	1/4	1,804	1/4	650	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,089	1/2	2,934	1/2	1,780	1/2	626	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,065	3/4	2,910	3/4	1,756	3/4	602	3/4		3/4		3/4		3/4	
1		1	5,140	1	4,041	1	2,886	1	1,732	1	577	1		1		1		1	
1/4		1/4	5,128	1/4	4,017	1/4	2,862	1/4	1,708	1/4	553	1/4		1/4		1/4		1/4	
1/2		1/2	5,117	1/2	3,993	1/2	2,838	1/2	1,684	1/2	529	1/2		1/2		1/2		1/2	
3/4		3/4	5,105	3/4	3,969	3/4	2,814	3/4	1,660	3/4	505	3/4		3/4		3/4		3/4	
2		2	5,093	2	3,945	2	2,790	2	1,636	2	481	2		2		2		2	
1/4		1/4	5,070	1/4	3,921	1/4	2,766	1/4	1,612	1/4	457	1/4		1/4		1/4		1/4	
1/2		1/2	5,046	1/2	3,897	1/2	2,742	1/2	1,588	1/2	433	1/2		1/2		1/2		1/2	
3/4		3/4	5,023	3/4	3,873	3/4	2,718	3/4	1,564	3/4	409	3/4		3/4		3/4		3/4	
3		3	4,999	3	3,849	3	2,693	3	1,540	3	385	3		3		3		3	
1/4		1/4	4,975	1/4	3,824	1/4	2,669	1/4	1,516	1/4	361	1/4		1/4		1/4		1/4	
1/2		1/2	4,952	1/2	3,800	1/2	2,645	1/2	1,492	1/2	337	1/2		1/2		1/2		1/2	
3/4		3/4	4,928	3/4	3,776	3/4	2,621	3/4	1,468	3/4	313	3/4		3/4		3/4		3/4	
4		4	4,904	4	3,752	4	2,597	4	1,444	4	289	4		4		4		4	
1/4		1/4	4,881	1/4	3,728	1/4	2,573	1/4	1,419	1/4	265	1/4		1/4		1/4		1/4	
1/2		1/2	4,857	1/2	3,704	1/2	2,550	1/2	1,395	1/2	241	1/2		1/2		1/2		1/2	
3/4		3/4	4,833	3/4	3,680	3/4	2,526	3/4	1,371	3/4	217	3/4		3/4		3/4		3/4	
5		5	4,810	5	3,656	5	2,502	5	1,347	5	192	5		5		5		5	
1/4		1/4	4,786	1/4	3,632	1/4	2,478	1/4	1,323	1/4	168	1/4		1/4		1/4		1/4	
1/2		1/2	4,762	1/2	3,608	1/2	2,454	1/2	1,299	1/2	144	1/2		1/2		1/2		1/2	
3/4		3/4	4,739	3/4	3,584	3/4	2,430	3/4	1,275	3/4	120	3/4		3/4		3/4		3/4	
6		6	4,715	6	3,560	6	2,406	6	1,251	6	96	6		6		6		6	
1/4		1/4	4,691	1/4	3,536	1/4	2,382	1/4	1,227	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,667	1/2	3,512	1/2	2,358	1/2	1,203	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,643	3/4	3,488	3/4	2,334	3/4	1,179	3/4		3/4		3/4		3/4		3/4	
7		7	4,619	7	3,464	7	2,310	7	1,155	7		7		7		7		7	
1/4		1/4	4,594	1/4	3,439	1/4	2,286	1/4	1,131	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,570	1/2	3,415	1/2	2,262	1/2	1,107	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,546	3/4	3,391	3/4	2,238	3/4	1,083	3/4		3/4		3/4		3/4		3/4	
8		8	4,522	8	3,367	8	2,214	8	1,059	8		8		8		8		8	
1/4		1/4	4,498	1/4	3,343	1/4	2,189	1/4	1,035	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,474	1/2	3,319	1/2	2,165	1/2	1,011	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,450	3/4	3,295	3/4	2,141	3/4	987	3/4		3/4		3/4		3/4		3/4	
9		9	4,426	9	3,271	9	2,117	9	962	9		9		9		9		9	
1/4		1/4	4,402	1/4	3,247	1/4	2,093	1/4	938	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,378	1/2	3,223	1/2	2,069	1/2	914	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,354	3/4	3,199	3/4	2,045	3/4	890	3/4		3/4		3/4		3/4		3/4	
10		10	4,330	10	3,175	10	2,021	10	866	10		10		10		10		10	
1/4		1/4	4,306	1/4	3,151	1/4	1,997	1/4	842	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,282	1/2	3,127	1/2	1,973	1/2	818	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,258	3/4	3,103	3/4	1,949	3/4	794	3/4		3/4		3/4		3/4		3/4	
11		11	4,234	11	3,078	11	1,925	11	770	11		11		11		11		11	
1/4		1/4	4,209	1/4	3,054	1/4	1,901	1/4	746	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,185	1/2	3,030	1/2	1,877	1/2	722	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,161	3/4	3,006	3/4	1,853	3/4	698	3/4		3/4		3/4		3/4		3/4	

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

STRAPPED: 01/13/2017 SW  
CALCULATED: 01/14/2017 CL  
PRINTED: 01/16/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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