



# BARGE "HFL 3007"

## 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	- 00-1/8	00-1/8	- 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	- 00-1/8	00-1/8	- 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"

December 14, 2016

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

<http://www.pmacorp.net>



# BARGE "HFL 3007"

## 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	200,062	0	185,094	0	170,109	0	155,095	0	140,081	0	125,067	0	110,053	0	95,034
1/4		1/4		1/4	199,751	1/4	184,782	1/4	169,796	1/4	154,782	1/4	139,768	1/4	124,754	1/4	109,740	1/4	94,721
1/2		1/2		1/2	199,440	1/2	184,470	1/2	169,483	1/2	154,469	1/2	139,455	1/2	124,441	1/2	109,427	1/2	94,408
3/4		3/4		3/4	199,128	3/4	184,158	3/4	169,171	3/4	154,157	3/4	139,143	3/4	124,129	3/4	109,115	3/4	94,095
1		1		1	198,816	1	183,846	1	168,858	1	153,844	1	138,830	1	123,816	1	108,802	1	93,782
1/4		1/4		1/4	198,505	1/4	183,534	1/4	168,545	1/4	153,531	1/4	138,517	1/4	123,503	1/4	108,489	1/4	93,469
1/2		1/2		1/2	198,193	1/2	183,222	1/2	168,232	1/2	153,218	1/2	138,204	1/2	123,190	1/2	108,176	1/2	93,156
3/4		3/4		3/4	197,881	3/4	182,911	3/4	167,919	3/4	152,905	3/4	137,891	3/4	122,877	3/4	107,863	3/4	92,843
2		2		2	197,569	2	182,599	2	167,607	2	152,593	2	137,579	2	122,565	2	107,551	2	92,530
1/4		1/4		1/4	197,257	1/4	182,287	1/4	167,294	1/4	152,280	1/4	137,266	1/4	122,252	1/4	107,238	1/4	92,217
1/2		1/2		1/2	210,865	1/2	196,945	1/2	181,975	1/2	166,981	1/2	151,967	1/2	136,953	1/2	121,939	1/2	106,925
3/4		3/4		3/4	210,686	3/4	196,633	3/4	181,663	3/4	166,668	3/4	151,654	3/4	136,640	3/4	121,626	3/4	106,612
3		3		3	210,506	3	196,321	3	181,351	3	166,355	3	151,341	3	136,328	3	121,314	3	106,299
1/4		1/4		1/4	210,327	1/4	196,009	1/4	181,039	1/4	166,043	1/4	151,029	1/4	136,015	1/4	121,001	1/4	105,986
1/2		1/2		1/2	210,147	1/2	195,698	1/2	180,727	1/2	165,730	1/2	150,716	1/2	135,702	1/2	120,688	1/2	105,673
3/4		3/4		3/4	209,915	3/4	195,386	3/4	180,416	3/4	165,417	3/4	150,403	3/4	135,389	3/4	120,375	3/4	105,360
4		4		4	209,684	4	195,074	4	180,104	4	165,104	4	150,090	4	135,076	4	120,062	4	105,047
1/4		1/4		1/4	209,452	1/4	194,762	1/4	179,792	1/4	164,791	1/4	149,778	1/4	134,764	1/4	119,750	1/4	104,734
1/2		1/2		1/2	209,220	1/2	194,450	1/2	179,480	1/2	164,479	1/2	149,465	1/2	134,451	1/2	119,437	1/2	104,421
3/4		3/4		3/4	208,940	3/4	194,138	3/4	179,168	3/4	164,166	3/4	149,152	3/4	134,138	3/4	119,124	3/4	104,109
5		5		5	208,660	5	193,826	5	178,856	5	163,853	5	148,839	5	133,825	5	118,811	5	103,796
1/4		1/4		1/4	208,380	1/4	193,514	1/4	178,544	1/4	163,540	1/4	148,526	1/4	133,512	1/4	118,498	1/4	103,483
1/2		1/2		1/2	208,100	1/2	193,203	1/2	178,232	1/2	163,228	1/2	148,214	1/2	133,200	1/2	118,186	1/2	103,170
3/4		3/4		3/4	207,795	3/4	192,891	3/4	177,921	3/4	162,915	3/4	147,901	3/4	132,887	3/4	117,873	3/4	102,857
6		6		6	207,489	6	192,579	6	177,609	6	162,602	6	147,588	6	132,574	6	117,560	6	102,544
1/4		1/4		1/4	207,183	1/4	192,267	1/4	177,297	1/4	162,289	1/4	147,275	1/4	132,261	1/4	117,247	1/4	102,231
1/2		1/2		1/2	206,878	1/2	191,955	1/2	176,985	1/2	161,976	1/2	146,962	1/2	131,948	1/2	116,934	1/2	101,918
3/4		3/4		3/4	206,568	3/4	191,643	3/4	176,673	3/4	161,664	3/4	146,650	3/4	131,636	3/4	116,622	3/4	101,605
7		7		7	206,259	7	191,331	7	176,361	7	161,351	7	146,337	7	131,323	7	116,309	7	101,292
1/4		1/4		1/4	205,950	1/4	191,019	1/4	176,049	1/4	161,038	1/4	146,024	1/4	131,010	1/4	115,996	1/4	100,979
1/2		1/2		1/2	205,640	1/2	190,708	1/2	175,737	1/2	160,725	1/2	145,711	1/2	130,697	1/2	115,683	1/2	100,666
3/4		3/4		3/4	205,330	3/4	190,396	3/4	175,425	3/4	160,412	3/4	145,398	3/4	130,384	3/4	115,370	3/4	100,353
8		8		8	205,021	8	190,084	8	175,113	8	160,100	8	145,086	8	130,072	8	115,058	8	100,040
1/4		1/4		1/4	204,711	1/4	189,772	1/4	174,800	1/4	159,787	1/4	144,773	1/4	129,759	1/4	114,745	1/4	99,728
1/2		1/2		1/2	204,401	1/2	189,460	1/2	174,488	1/2	159,474	1/2	144,460	1/2	129,446	1/2	114,432	1/2	99,415
3/4		3/4		3/4	204,091	3/4	189,148	3/4	174,175	3/4	159,161	3/4	144,147	3/4	129,133	3/4	114,119	3/4	99,102
9		9		9	203,781	9	188,836	9	173,862	9	158,848	9	143,834	9	128,821	9	113,807	9	98,789
1/4		1/4		1/4	203,471	1/4	188,524	1/4	173,550	1/4	158,536	1/4	143,522	1/4	128,508	1/4	113,494	1/4	98,476
1/2		1/2		1/2	203,162	1/2	188,213	1/2	173,237	1/2	158,223	1/2	143,209	1/2	128,195	1/2	113,181	1/2	98,163
3/4		3/4		3/4	202,852	3/4	187,901	3/4	172,924	3/4	157,910	3/4	142,896	3/4	127,882	3/4	112,868	3/4	97,850
10		10		10	202,542	10	187,589	10	172,611	10	157,597	10	142,583	10	127,569	10	112,555	10	97,537
1/4		1/4		1/4	202,232	1/4	187,277	1/4	172,298	1/4	157,285	1/4	142,271	1/4	127,257	1/4	112,243	1/4	97,224
1/2		1/2		1/2	201,922	1/2	186,965	1/2	171,986	1/2	156,972	1/2	141,958	1/2	126,944	1/2	111,930	1/2	96,911
3/4		3/4		3/4	201,613	3/4	186,653	3/4	171,673	3/4	156,659	3/4	141,645	3/4	126,631	3/4	111,617	3/4	96,598
11		11		11	201,303	11	186,341	11	171,360	11	156,346	11	141,332	11	126,318	11	111,304	11	96,285
1/4		1/4		1/4	200,993	1/4	186,029	1/4	171,047	1/4	156,033	1/4	141,019	1/4	126,005	1/4	110,991	1/4	95,972
1/2		1/2		1/2	200,683	1/2	185,717	1/2	170,735	1/2	155,721	1/2	140,707	1/2	125,693	1/2	110,679	1/2	95,660
3/4		3/4		3/4	200,373	3/4	185,406	3/4	170,422	3/4	155,408	3/4	140,394	3/4	125,380	3/4	110,366	3/4	95,347

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 3007"

## 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	80,013	0	64,993	0	50,071	0	35,057	0	20,037	0	5,791	0		0		0		0	
1/4	79,700	1/4	64,680	1/4	49,760	1/4	34,744	1/4	19,724	1/4	5,517	1/4		1/4		1/4		1/4	
1/2	79,387	1/2	64,368	1/2	49,448	1/2	34,431	1/2	19,411	1/2	5,242	1/2		1/2		1/2		1/2	
3/4	79,074	3/4	64,056	3/4	49,136	3/4	34,118	3/4	19,098	3/4	4,972	3/4		3/4		3/4		3/4	
1	78,761	1	63,744	1	48,824	1	33,805	1	18,785	1	4,701	1		1		1		1	
1/4	78,449	1/4	63,433	1/4	48,512	1/4	33,492	1/4	18,472	1/4	4,431	1/4		1/4		1/4		1/4	
1/2	78,136	1/2	63,121	1/2	48,199	1/2	33,179	1/2	18,159	1/2	4,160	1/2		1/2		1/2		1/2	
3/4	77,823	3/4	62,810	3/4	47,886	3/4	32,866	3/4	17,847	3/4	3,894	3/4		3/4		3/4		3/4	
2	77,510	2	62,499	2	47,573	2	32,553	2	17,535	2	3,627	2		2		2		2	
1/4	77,197	1/4	62,189	1/4	47,261	1/4	32,241	1/4	17,223	1/4	3,361	1/4		1/4		1/4		1/4	
1/2	76,884	1/2	61,878	1/2	46,948	1/2	31,928	1/2	16,911	1/2	3,094	1/2		1/2		1/2		1/2	
3/4	76,571	3/4	61,567	3/4	46,635	3/4	31,615	3/4	16,602	3/4	2,833	3/4		3/4		3/4		3/4	
3	76,258	3	61,257	3	46,322	3	31,302	3	16,293	3	2,571	3		3		3		3	
1/4	75,945	1/4	60,946	1/4	46,009	1/4	30,989	1/4	15,984	1/4	2,309	1/4		1/4		1/4		1/4	
1/2	75,632	1/2	60,636	1/2	45,696	1/2	30,676	1/2	15,675	1/2	2,047	1/2		1/2		1/2		1/2	
3/4	75,319	3/4	60,325	3/4	45,383	3/4	30,363	3/4	15,370	3/4	1,808	3/4		3/4		3/4		3/4	
4	75,006	4	60,014	4	45,070	4	30,050	4	15,065	4	1,570	4		4		4		4	
1/4	74,693	1/4	59,704	1/4	44,757	1/4	29,737	1/4	14,760	1/4	1,331	1/4		1/4		1/4		1/4	
1/2	74,381	1/2	59,393	1/2	44,444	1/2	29,424	1/2	14,454	1/2	1,092	1/2		1/2		1/2		1/2	
3/4	74,068	3/4	59,083	3/4	44,131	3/4	29,111	3/4	14,153	3/4	916	3/4		3/4		3/4		3/4	
5	73,755	5	58,772	5	43,818	5	28,798	5	13,852	5	739	5		5		5		5	
1/4	73,442	1/4	58,462	1/4	43,506	1/4	28,486	1/4	13,550	1/4	562	1/4		1/4		1/4		1/4	
1/2	73,129	1/2	58,151	1/2	43,193	1/2	28,173	1/2	13,249	1/2	385	1/2		1/2		1/2		1/2	
3/4	72,816	3/4	57,841	3/4	42,880	3/4	27,860	3/4	12,951	3/4		3/4		3/4		3/4		3/4	
6	72,503	6	57,530	6	42,567	6	27,547	6	12,654	6		6		6		6		6	
1/4	72,190	1/4	57,219	1/4	42,254	1/4	27,234	1/4	12,356	1/4		1/4		1/4		1/4		1/4	
1/2	71,877	1/2	56,909	1/2	41,941	1/2	26,921	1/2	12,059	1/2		1/2		1/2		1/2		1/2	
3/4	71,564	3/4	56,598	3/4	41,628	3/4	26,608	3/4	11,765	3/4		3/4		3/4		3/4		3/4	
7	71,251	7	56,288	7	41,315	7	26,295	7	11,472	7		7		7		7		7	
1/4	70,938	1/4	55,977	1/4	41,002	1/4	25,982	1/4	11,178	1/4		1/4		1/4		1/4		1/4	
1/2	70,625	1/2	55,667	1/2	40,689	1/2	25,669	1/2	10,884	1/2		1/2		1/2		1/2		1/2	
3/4	70,312	3/4	55,356	3/4	40,376	3/4	25,356	3/4	10,594	3/4		3/4		3/4		3/4		3/4	
8	70,000	8	55,045	8	40,063	8	25,043	8	10,305	8		8		8		8		8	
1/4	69,687	1/4	54,735	1/4	39,751	1/4	24,731	1/4	10,015	1/4		1/4		1/4		1/4		1/4	
1/2	69,374	1/2	54,424	1/2	39,438	1/2	24,418	1/2	9,725	1/2		1/2		1/2		1/2		1/2	
3/4	69,061	3/4	54,114	3/4	39,125	3/4	24,105	3/4	9,439	3/4		3/4		3/4		3/4		3/4	
9	68,748	9	53,803	9	38,812	9	23,792	9	9,153	9		9		9		9		9	
1/4	68,435	1/4	53,493	1/4	38,499	1/4	23,479	1/4	8,867	1/4		1/4		1/4		1/4		1/4	
1/2	68,122	1/2	53,182	1/2	38,186	1/2	23,166	1/2	8,581	1/2		1/2		1/2		1/2		1/2	
3/4	67,809	3/4	52,871	3/4	37,873	3/4	22,853	3/4	8,299	3/4		3/4		3/4		3/4		3/4	
10	67,496	10	52,561	10	37,560	10	22,540	10	8,017	10		10		10		10		10	
1/4	67,183	1/4	52,250	1/4	37,247	1/4	22,227	1/4	7,735	1/4		1/4		1/4		1/4		1/4	
1/2	66,870	1/2	51,939	1/2	36,934	1/2	21,914	1/2	7,453	1/2		1/2		1/2		1/2		1/2	
3/4	66,557	3/4	51,628	3/4	36,621	3/4	21,601	3/4	7,175	3/4		3/4		3/4		3/4		3/4	
11	66,244	11	51,317	11	36,308	11	21,288	11	6,896	11		11		11		11		11	
1/4	65,931	1/4	51,005	1/4	35,996	1/4	20,976	1/4	6,618	1/4		1/4		1/4		1/4		1/4	
1/2	65,619	1/2	50,694	1/2	35,683	1/2	20,663	1/2	6,340	1/2		1/2		1/2		1/2		1/2	
3/4	65,306	3/4	50,383	3/4	35,370	3/4	20,350	3/4	6,065	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/13/2016 SW  
CALCULATED: 12/13/2016 CL  
PRINTED: 12/14/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2016

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



# BARGE "HFL 3007"

## 1 STBD 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	200,059	0	185,098	0	170,121	0	155,114	0	140,108	0	125,101	0	110,095	0	95,083
1/4		1/4		1/4	199,748	1/4	184,787	1/4	169,808	1/4	154,802	1/4	139,795	1/4	124,789	1/4	109,782	1/4	94,770
1/2		1/2		1/2	199,438	1/2	184,475	1/2	169,496	1/2	154,489	1/2	139,482	1/2	124,476	1/2	109,470	1/2	94,457
3/4		3/4		3/4	199,126	3/4	184,163	3/4	169,183	3/4	154,176	3/4	139,170	3/4	124,163	3/4	109,157	3/4	94,145
1		1		1	198,814	1	183,851	1	168,870	1	153,864	1	138,857	1	123,851	1	108,844	1	93,832
1/4		1/4		1/4	198,503	1/4	183,540	1/4	168,558	1/4	153,551	1/4	138,544	1/4	123,538	1/4	108,532	1/4	93,519
1/2		1/2		1/2	198,191	1/2	183,228	1/2	168,245	1/2	153,238	1/2	138,232	1/2	123,225	1/2	108,219	1/2	93,206
3/4		3/4		3/4	197,879	3/4	182,916	3/4	167,932	3/4	152,926	3/4	137,919	3/4	122,913	3/4	107,906	3/4	92,894
2		2		2	197,567	2	182,605	2	167,620	2	152,613	2	137,607	2	122,600	2	107,594	2	92,581
1/4		1/4		1/4	197,256	1/4	182,293	1/4	167,307	1/4	152,301	1/4	137,294	1/4	122,287	1/4	107,281	1/4	92,268
1/2		1/2		1/2	210,857	1/2	196,944	1/2	181,981	1/2	166,995	1/2	151,988	1/2	136,981	1/2	121,975	1/2	106,968
3/4		3/4		3/4	210,678	3/4	196,632	3/4	181,669	3/4	166,682	3/4	151,675	3/4	136,669	3/4	121,662	3/4	106,655
3		3		3	210,498	3	196,320	3	181,358	3	166,369	3	151,363	3	136,356	3	121,350	3	106,343
1/4		1/4		1/4	210,319	1/4	196,009	1/4	181,046	1/4	166,057	1/4	151,050	1/4	136,043	1/4	121,037	1/4	106,030
1/2		1/2		1/2	210,139	1/2	195,697	1/2	180,734	1/2	165,744	1/2	150,737	1/2	135,731	1/2	120,724	1/2	105,717
3/4		3/4		3/4	209,908	3/4	195,385	3/4	180,422	3/4	165,431	3/4	150,425	3/4	135,418	3/4	120,412	3/4	105,404
4		4		4	209,676	4	195,074	4	180,111	4	165,119	4	150,112	4	135,105	4	120,099	4	105,092
1/4		1/4		1/4	209,445	1/4	194,762	1/4	179,799	1/4	164,806	1/4	149,799	1/4	134,793	1/4	119,786	1/4	104,779
1/2		1/2		1/2	209,213	1/2	194,450	1/2	179,487	1/2	164,493	1/2	149,487	1/2	134,480	1/2	119,474	1/2	104,466
3/4		3/4		3/4	208,933	3/4	194,138	3/4	179,176	3/4	164,181	3/4	149,174	3/4	134,168	3/4	119,161	3/4	104,153
5		5		5	208,654	5	193,827	5	178,864	5	163,868	5	148,861	5	133,855	5	118,849	5	103,841
1/4		1/4		1/4	208,374	1/4	193,515	1/4	178,552	1/4	163,555	1/4	148,549	1/4	133,542	1/4	118,536	1/4	103,528
1/2		1/2		1/2	208,094	1/2	193,203	1/2	178,240	1/2	163,243	1/2	148,236	1/2	133,230	1/2	118,223	1/2	103,215
3/4		3/4		3/4	207,788	3/4	192,891	3/4	177,929	3/4	162,930	3/4	147,924	3/4	132,917	3/4	117,911	3/4	102,902
6		6		6	207,483	6	192,580	6	177,617	6	162,618	6	147,611	6	132,604	6	117,598	6	102,589
1/4		1/4		1/4	207,177	1/4	192,268	1/4	177,305	1/4	162,305	1/4	147,298	1/4	132,292	1/4	117,285	1/4	102,277
1/2		1/2		1/2	206,872	1/2	191,956	1/2	176,993	1/2	161,992	1/2	146,986	1/2	131,979	1/2	116,973	1/2	101,964
3/4		3/4		3/4	206,562	3/4	191,645	3/4	176,682	3/4	161,680	3/4	146,673	3/4	131,666	3/4	116,660	3/4	101,651
7		7		7	206,253	7	191,333	7	176,370	7	161,367	7	146,360	7	131,354	7	116,347	7	101,338
1/4		1/4		1/4	205,944	1/4	191,021	1/4	176,058	1/4	161,054	1/4	146,048	1/4	131,041	1/4	116,035	1/4	101,026
1/2		1/2		1/2	205,635	1/2	190,709	1/2	175,747	1/2	160,742	1/2	145,735	1/2	130,729	1/2	115,722	1/2	100,713
3/4		3/4		3/4	205,325	3/4	190,398	3/4	175,434	3/4	160,429	3/4	145,422	3/4	130,416	3/4	115,410	3/4	100,400
8		8		8	205,015	8	190,086	8	175,122	8	160,116	8	145,110	8	130,103	8	115,097	8	100,087
1/4		1/4		1/4	204,706	1/4	189,774	1/4	174,810	1/4	159,804	1/4	144,797	1/4	129,791	1/4	114,784	1/4	99,775
1/2		1/2		1/2	204,396	1/2	189,462	1/2	174,498	1/2	159,491	1/2	144,485	1/2	129,478	1/2	114,472	1/2	99,462
3/4		3/4		3/4	204,086	3/4	189,151	3/4	174,185	3/4	159,179	3/4	144,172	3/4	129,165	3/4	114,159	3/4	99,149
9		9		9	203,777	9	188,839	9	173,873	9	158,866	9	143,859	9	128,853	9	113,846	9	98,836
1/4		1/4		1/4	203,467	1/4	188,527	1/4	173,560	1/4	158,553	1/4	143,547	1/4	128,540	1/4	113,534	1/4	98,523
1/2		1/2		1/2	203,157	1/2	188,216	1/2	173,247	1/2	158,241	1/2	143,234	1/2	128,228	1/2	113,221	1/2	98,211
3/4		3/4		3/4	202,848	3/4	187,904	3/4	172,935	3/4	157,928	3/4	142,921	3/4	127,915	3/4	112,909	3/4	97,898
10		10		10	202,538	10	187,592	10	172,622	10	157,615	10	142,609	10	127,602	10	112,596	10	97,585
1/4		1/4		1/4	202,228	1/4	187,280	1/4	172,309	1/4	157,303	1/4	142,296	1/4	127,290	1/4	112,283	1/4	97,272
1/2		1/2		1/2	201,919	1/2	186,969	1/2	171,997	1/2	156,990	1/2	141,983	1/2	126,977	1/2	111,971	1/2	96,960
3/4		3/4		3/4	201,609	3/4	186,657	3/4	171,684	3/4	156,677	3/4	141,671	3/4	126,664	3/4	111,658	3/4	96,647
11		11		11	201,300	11	186,345	11	171,371	11	156,365	11	141,358	11	126,352	11	111,345	11	96,334
1/4		1/4		1/4	200,990	1/4	186,034	1/4	171,059	1/4	156,052	1/4	141,046	1/4	126,039	1/4	111,033	1/4	96,021
1/2		1/2		1/2	200,680	1/2	185,722	1/2	170,746	1/2	155,740	1/2	140,733	1/2	125,726	1/2	110,720	1/2	95,709
3/4		3/4		3/4	200,370	3/4	185,410	3/4	170,434	3/4	155,427	3/4	140,420	3/4	125,414	3/4	110,407	3/4	95,396

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 3007"

## 1 STBD 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	80,070	0	65,057	0	50,052	0	35,039	0	20,027	0	5,788	0		0		0		0	
1/4	79,757	1/4	64,745	1/4	49,739	1/4	34,727	1/4	19,714	1/4	5,514	1/4		1/4		1/4		1/4	
1/2	79,445	1/2	64,432	1/2	49,426	1/2	34,414	1/2	19,401	1/2	5,240	1/2		1/2		1/2		1/2	
3/4	79,132	3/4	64,119	3/4	49,114	3/4	34,101	3/4	19,089	3/4	4,970	3/4		3/4		3/4		3/4	
1	78,819	1	63,806	1	48,801	1	33,788	1	18,776	1	4,699	1		1		1		1	
1/4	78,506	1/4	63,493	1/4	48,488	1/4	33,476	1/4	18,463	1/4	4,429	1/4		1/4		1/4		1/4	
1/2	78,194	1/2	63,181	1/2	48,175	1/2	33,163	1/2	18,150	1/2	4,158	1/2		1/2		1/2		1/2	
3/4	77,881	3/4	62,868	3/4	47,862	3/4	32,850	3/4	17,839	3/4	3,892	3/4		3/4		3/4		3/4	
2	77,568	2	62,555	2	47,550	2	32,537	2	17,527	2	3,626	2		2		2		2	
1/4	77,255	1/4	62,243	1/4	47,237	1/4	32,225	1/4	17,215	1/4	3,359	1/4		1/4		1/4		1/4	
1/2	76,942	1/2	61,930	1/2	46,924	1/2	31,912	1/2	16,903	1/2	3,093	1/2		1/2		1/2		1/2	
3/4	76,630	3/4	61,617	3/4	46,611	3/4	31,599	3/4	16,594	3/4	2,831	3/4		3/4		3/4		3/4	
3	76,317	3	61,305	3	46,299	3	31,286	3	16,285	3	2,570	3		3		3		3	
1/4	76,004	1/4	60,992	1/4	45,986	1/4	30,974	1/4	15,977	1/4	2,308	1/4		1/4		1/4		1/4	
1/2	75,691	1/2	60,679	1/2	45,673	1/2	30,661	1/2	15,668	1/2	2,046	1/2		1/2		1/2		1/2	
3/4	75,379	3/4	60,367	3/4	45,360	3/4	30,348	3/4	15,363	3/4	1,808	3/4		3/4		3/4		3/4	
4	75,066	4	60,054	4	45,048	4	30,035	4	15,057	4	1,569	4		4		4		4	
1/4	74,753	1/4	59,742	1/4	44,735	1/4	29,722	1/4	14,752	1/4	1,331	1/4		1/4		1/4		1/4	
1/2	74,440	1/2	59,429	1/2	44,422	1/2	29,410	1/2	14,447	1/2	1,092	1/2		1/2		1/2		1/2	
3/4	74,128	3/4	59,117	3/4	44,109	3/4	29,097	3/4	14,146	3/4	915	3/4		3/4		3/4		3/4	
5	73,815	5	58,804	5	43,797	5	28,784	5	13,845	5	739	5		5		5		5	
1/4	73,502	1/4	58,492	1/4	43,484	1/4	28,471	1/4	13,544	1/4	562	1/4		1/4		1/4		1/4	
1/2	73,189	1/2	58,179	1/2	43,171	1/2	28,159	1/2	13,243	1/2	385	1/2		1/2		1/2		1/2	
3/4	72,876	3/4	57,867	3/4	42,858	3/4	27,846	3/4	12,945	3/4		3/4		3/4		3/4		3/4	
6	72,564	6	57,554	6	42,546	6	27,533	6	12,648	6		6		6		6		6	
1/4	72,251	1/4	57,242	1/4	42,233	1/4	27,220	1/4	12,350	1/4		1/4		1/4		1/4		1/4	
1/2	71,938	1/2	56,929	1/2	41,920	1/2	26,908	1/2	12,053	1/2		1/2		1/2		1/2		1/2	
3/4	71,625	3/4	56,616	3/4	41,607	3/4	26,595	3/4	11,760	3/4		3/4		3/4		3/4		3/4	
7	71,313	7	56,304	7	41,295	7	26,282	7	11,466	7		7		7		7		7	
1/4	71,000	1/4	55,991	1/4	40,982	1/4	25,969	1/4	11,173	1/4		1/4		1/4		1/4		1/4	
1/2	70,687	1/2	55,679	1/2	40,669	1/2	25,657	1/2	10,879	1/2		1/2		1/2		1/2		1/2	
3/4	70,374	3/4	55,366	3/4	40,356	3/4	25,344	3/4	10,589	3/4		3/4		3/4		3/4		3/4	
8	70,062	8	55,054	8	40,044	8	25,031	8	10,300	8		8		8		8		8	
1/4	69,749	1/4	54,741	1/4	39,731	1/4	24,718	1/4	10,010	1/4		1/4		1/4		1/4		1/4	
1/2	69,436	1/2	54,429	1/2	39,418	1/2	24,406	1/2	9,720	1/2		1/2		1/2		1/2		1/2	
3/4	69,123	3/4	54,116	3/4	39,105	3/4	24,093	3/4	9,435	3/4		3/4		3/4		3/4		3/4	
9	68,810	9	53,804	9	38,792	9	23,780	9	9,149	9		9		9		9		9	
1/4	68,498	1/4	53,491	1/4	38,480	1/4	23,467	1/4	8,863	1/4		1/4		1/4		1/4		1/4	
1/2	68,185	1/2	53,179	1/2	38,167	1/2	23,155	1/2	8,577	1/2		1/2		1/2		1/2		1/2	
3/4	67,872	3/4	52,866	3/4	37,854	3/4	22,842	3/4	8,295	3/4		3/4		3/4		3/4		3/4	
10	67,559	10	52,553	10	37,541	10	22,529	10	8,013	10		10		10		10		10	
1/4	67,247	1/4	52,241	1/4	37,229	1/4	22,216	1/4	7,731	1/4		1/4		1/4		1/4		1/4	
1/2	66,934	1/2	51,928	1/2	36,916	1/2	21,904	1/2	7,449	1/2		1/2		1/2		1/2		1/2	
3/4	66,621	3/4	51,615	3/4	36,603	3/4	21,591	3/4	7,171	3/4		3/4		3/4		3/4		3/4	
11	66,308	11	51,303	11	36,290	11	21,278	11	6,893	11		11		11		11		11	
1/4	65,996	1/4	50,990	1/4	35,978	1/4	20,965	1/4	6,615	1/4		1/4		1/4		1/4		1/4	
1/2	65,683	1/2	50,677	1/2	35,665	1/2	20,652	1/2	6,337	1/2		1/2		1/2		1/2		1/2	
3/4	65,370	3/4	50,365	3/4	35,352	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: 12/13/2016 SW  
CALCULATED: 12/13/2016 CL  
PRINTED: 12/14/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2016

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



# BARGE "HFL 3007"

## 2 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	201,969	0	186,973	0	171,958	0	156,909	0	141,859	0	126,810	0	111,761	0	96,705
1/4		1/4		1/4	201,658	1/4	186,661	1/4	171,645	1/4	156,595	1/4	141,546	1/4	126,496	1/4	111,447	1/4	96,391
1/2		1/2		1/2	201,347	1/2	186,348	1/2	171,331	1/2	156,282	1/2	141,232	1/2	126,183	1/2	111,134	1/2	96,078
3/4		3/4		3/4	201,034	3/4	186,036	3/4	171,017	3/4	155,968	3/4	140,919	3/4	125,869	3/4	110,820	3/4	95,764
1		1		1	200,722	1	185,724	1	170,704	1	155,655	1	140,605	1	125,556	1	110,506	1	95,450
1/4		1/4		1/4	200,409	1/4	185,411	1/4	170,390	1/4	155,341	1/4	140,292	1/4	125,242	1/4	110,193	1/4	95,137
1/2		1/2		1/2	200,097	1/2	185,099	1/2	170,077	1/2	155,028	1/2	139,978	1/2	124,929	1/2	109,879	1/2	94,823
3/4		3/4		3/4	199,784	3/4	184,786	3/4	169,763	3/4	154,714	3/4	139,665	3/4	124,615	3/4	109,566	3/4	94,509
2		2		2	199,472	2	184,474	2	169,450	2	154,400	2	139,351	2	124,302	2	109,252	2	94,195
1/4		1/4		1/4	199,159	1/4	184,161	1/4	169,136	1/4	154,087	1/4	139,038	1/4	123,988	1/4	108,939	1/4	93,882
1/2		1/2	212,757	1/2	198,847	1/2	183,849	1/2	168,823	1/2	153,773	1/2	138,724	1/2	123,675	1/2	108,625	1/2	93,568
3/4		3/4	212,578	3/4	198,535	3/4	183,536	3/4	168,509	3/4	153,460	3/4	138,411	3/4	123,361	3/4	108,311	3/4	93,254
3		3	212,399	3	198,222	3	183,224	3	168,196	3	153,146	3	138,097	3	123,048	3	107,998	3	92,941
1/4		1/4	212,221	1/4	197,910	1/4	182,911	1/4	167,882	1/4	152,833	1/4	137,783	1/4	122,734	1/4	107,684	1/4	92,627
1/2		1/2	212,042	1/2	197,597	1/2	182,599	1/2	167,569	1/2	152,519	1/2	137,470	1/2	122,421	1/2	107,370	1/2	92,313
3/4		3/4	211,811	3/4	197,285	3/4	182,286	3/4	167,255	3/4	152,206	3/4	137,156	3/4	122,107	3/4	107,057	3/4	92,000
4		4	211,580	4	196,972	4	181,974	4	166,942	4	151,892	4	136,843	4	121,794	4	106,743	4	91,686
1/4		1/4	211,348	1/4	196,660	1/4	181,661	1/4	166,628	1/4	151,579	1/4	136,529	1/4	121,480	1/4	106,429	1/4	91,372
1/2		1/2	211,117	1/2	196,347	1/2	181,349	1/2	166,315	1/2	151,265	1/2	136,216	1/2	121,166	1/2	106,116	1/2	91,059
3/4		3/4	210,838	3/4	196,035	3/4	181,037	3/4	166,001	3/4	150,952	3/4	135,902	3/4	120,853	3/4	105,802	3/4	90,745
5		5	210,558	5	195,722	5	180,724	5	165,687	5	150,638	5	135,589	5	120,539	5	105,488	5	90,431
1/4		1/4	210,278	1/4	195,410	1/4	180,412	1/4	165,374	1/4	150,325	1/4	135,275	1/4	120,226	1/4	105,174	1/4	90,118
1/2		1/2	209,999	1/2	195,097	1/2	180,099	1/2	165,060	1/2	150,011	1/2	134,962	1/2	119,912	1/2	104,861	1/2	89,804
3/4		3/4	209,694	3/4	194,785	3/4	179,787	3/4	164,747	3/4	149,698	3/4	134,648	3/4	119,599	3/4	104,547	3/4	89,490
6		6	209,388	6	194,473	6	179,474	6	164,433	6	149,384	6	134,335	6	119,285	6	104,233	6	89,176
1/4		1/4	209,083	1/4	194,160	1/4	179,162	1/4	164,120	1/4	149,070	1/4	134,021	1/4	118,972	1/4	103,920	1/4	88,863
1/2		1/2	208,778	1/2	193,848	1/2	178,849	1/2	163,806	1/2	148,757	1/2	133,708	1/2	118,658	1/2	103,606	1/2	88,549
3/4		3/4	208,469	3/4	193,535	3/4	178,537	3/4	163,493	3/4	148,443	3/4	133,394	3/4	118,345	3/4	103,292	3/4	88,235
7		7	208,160	7	193,223	7	178,224	7	163,179	7	148,130	7	133,081	7	118,031	7	102,979	7	87,922
1/4		1/4	207,851	1/4	192,910	1/4	177,912	1/4	162,866	1/4	147,816	1/4	132,767	1/4	117,718	1/4	102,665	1/4	87,608
1/2		1/2	207,541	1/2	192,598	1/2	177,599	1/2	162,552	1/2	147,503	1/2	132,453	1/2	117,404	1/2	102,351	1/2	87,294
3/4		3/4	207,232	3/4	192,285	3/4	177,286	3/4	162,239	3/4	147,189	3/4	132,140	3/4	117,091	3/4	102,038	3/4	86,981
8		8	206,923	8	191,973	8	176,973	8	161,925	8	146,876	8	131,826	8	116,777	8	101,724	8	86,667
1/4		1/4	206,613	1/4	191,660	1/4	176,660	1/4	161,612	1/4	146,562	1/4	131,513	1/4	116,464	1/4	101,410	1/4	86,353
1/2		1/2	206,304	1/2	191,348	1/2	176,347	1/2	161,298	1/2	146,249	1/2	131,199	1/2	116,150	1/2	101,097	1/2	86,040
3/4		3/4	205,994	3/4	191,035	3/4	176,034	3/4	160,985	3/4	145,935	3/4	130,886	3/4	115,836	3/4	100,783	3/4	85,726
9		9	205,685	9	190,723	9	175,720	9	160,671	9	145,622	9	130,572	9	115,523	9	100,469	9	85,412
1/4		1/4	205,375	1/4	190,410	1/4	175,407	1/4	160,358	1/4	145,308	1/4	130,259	1/4	115,209	1/4	100,155	1/4	85,099
1/2		1/2	205,066	1/2	190,098	1/2	175,093	1/2	160,044	1/2	144,995	1/2	129,945	1/2	114,896	1/2	99,842	1/2	84,785
3/4		3/4	204,756	3/4	189,786	3/4	174,780	3/4	159,730	3/4	144,681	3/4	129,632	3/4	114,582	3/4	99,528	3/4	84,471
10		10	204,447	10	189,473	10	174,466	10	159,417	10	144,368	10	129,318	10	114,269	10	99,214	10	84,158
1/4		1/4	204,137	1/4	189,161	1/4	174,153	1/4	159,103	1/4	144,054	1/4	129,005	1/4	113,955	1/4	98,901	1/4	83,844
1/2		1/2	203,828	1/2	188,848	1/2	173,839	1/2	158,790	1/2	143,741	1/2	128,691	1/2	113,642	1/2	98,587	1/2	83,530
3/4		3/4	203,518	3/4	188,536	3/4	173,526	3/4	158,476	3/4	143,427	3/4	128,378	3/4	113,328	3/4	98,273	3/4	83,216
11		11	203,209	11	188,223	11	173,212	11	158,163	11	143,113	11	128,064	11	113,015	11	97,960	11	82,903
1/4		1/4	202,900	1/4	187,911	1/4	172,899	1/4	157,849	1/4	142,800	1/4	127,751	1/4	112,701	1/4	97,646	1/4	82,589
1/2		1/2	202,590	1/2	187,598	1/2	172,585	1/2	157,536	1/2	142,486	1/2	127,437	1/2	112,388	1/2	97,332	1/2	82,275
3/4		3/4	202,279	3/4	187,286	3/4	172,272	3/4	157,222	3/4	142,173	3/4	127,123	3/4	112,074	3/4	97,019	3/4	81,962

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 3007"

## 2 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	81,648	0	66,591	0	52,052	0	37,595	0	22,588	0	7,531	0		0		0		0	
1/4	81,334	1/4	66,277	1/4	51,750	1/4	37,293	1/4	22,274	1/4	7,218	1/4		1/4		1/4		1/4	
1/2	81,021	1/2	65,964	1/2	51,448	1/2	36,991	1/2	21,960	1/2	6,904	1/2		1/2		1/2		1/2	
3/4	80,707	3/4	65,656	3/4	51,146	3/4	36,683	3/4	21,647	3/4	6,590	3/4		3/4		3/4		3/4	
1	80,393	1	65,348	1	50,845	1	36,375	1	21,333	1	6,277	1		1		1		1	
1/4	80,080	1/4	65,040	1/4	50,543	1/4	36,068	1/4	21,019	1/4	5,963	1/4		1/4		1/4		1/4	
1/2	79,766	1/2	64,733	1/2	50,241	1/2	35,760	1/2	20,706	1/2	5,649	1/2		1/2		1/2		1/2	
3/4	79,452	3/4	64,431	3/4	49,940	3/4	35,446	3/4	20,392	3/4	5,336	3/4		3/4		3/4		3/4	
2	79,139	2	64,129	2	49,639	2	35,132	2	20,078	2	5,022	2		2		2		2	
1/4	78,825	1/4	63,827	1/4	49,338	1/4	34,819	1/4	19,765	1/4	4,709	1/4		1/4		1/4		1/4	
1/2	78,511	1/2	63,525	1/2	49,037	1/2	34,505	1/2	19,451	1/2	4,396	1/2		1/2		1/2		1/2	
3/4	78,197	3/4	63,223	3/4	48,735	3/4	34,191	3/4	19,137	3/4	4,083	3/4		3/4		3/4		3/4	
3	77,884	3	62,921	3	48,434	3	33,878	3	18,824	3	3,770	3		3		3		3	
1/4	77,570	1/4	62,619	1/4	48,133	1/4	33,564	1/4	18,510	1/4	3,458	1/4		1/4		1/4		1/4	
1/2	77,256	1/2	62,317	1/2	47,832	1/2	33,250	1/2	18,196	1/2	3,145	1/2		1/2		1/2		1/2	
3/4	76,943	3/4	62,015	3/4	47,531	3/4	32,937	3/4	17,883	3/4	2,852	3/4		3/4		3/4		3/4	
4	76,629	4	61,713	4	47,230	4	32,623	4	17,569	4	2,558	4		4		4		4	
1/4	76,315	1/4	61,411	1/4	46,929	1/4	32,309	1/4	17,255	1/4	2,265	1/4		1/4		1/4		1/4	
1/2	76,002	1/2	61,109	1/2	46,628	1/2	31,996	1/2	16,942	1/2	1,972	1/2		1/2		1/2		1/2	
3/4	75,688	3/4	60,807	3/4	46,327	3/4	31,682	3/4	16,628	3/4	1,736	3/4		3/4		3/4		3/4	
5	75,374	5	60,506	5	46,026	5	31,368	5	16,314	5	1,501	5		5		5		5	
1/4	75,061	1/4	60,204	1/4	45,725	1/4	31,055	1/4	16,001	1/4	1,266	1/4		1/4		1/4		1/4	
1/2	74,747	1/2	59,902	1/2	45,424	1/2	30,741	1/2	15,687	1/2	1,031	1/2		1/2		1/2		1/2	
3/4	74,433	3/4	59,600	3/4	45,123	3/4	30,427	3/4	15,373	3/4		3/4		3/4		3/4		3/4	
6	74,120	6	59,298	6	44,822	6	30,114	6	15,059	6		6		6		6		6	
1/4	73,806	1/4	58,996	1/4	44,521	1/4	29,800	1/4	14,746	1/4		1/4		1/4		1/4		1/4	
1/2	73,492	1/2	58,694	1/2	44,220	1/2	29,487	1/2	14,432	1/2		1/2		1/2		1/2		1/2	
3/4	73,179	3/4	58,392	3/4	43,919	3/4	29,173	3/4	14,118	3/4		3/4		3/4		3/4		3/4	
7	72,865	7	58,090	7	43,618	7	28,860	7	13,805	7		7		7		7		7	
1/4	72,551	1/4	57,788	1/4	43,317	1/4	28,546	1/4	13,491	1/4		1/4		1/4		1/4		1/4	
1/2	72,237	1/2	57,486	1/2	43,016	1/2	28,233	1/2	13,177	1/2		1/2		1/2		1/2		1/2	
3/4	71,924	3/4	57,184	3/4	42,715	3/4	27,919	3/4	12,864	3/4		3/4		3/4		3/4		3/4	
8	71,610	8	56,882	8	42,414	8	27,606	8	12,550	8		8		8		8		8	
1/4	71,296	1/4	56,581	1/4	42,113	1/4	27,292	1/4	12,236	1/4		1/4		1/4		1/4		1/4	
1/2	70,983	1/2	56,279	1/2	41,812	1/2	26,979	1/2	11,923	1/2		1/2		1/2		1/2		1/2	
3/4	70,669	3/4	55,977	3/4	41,511	3/4	26,665	3/4	11,609	3/4		3/4		3/4		3/4		3/4	
9	70,355	9	55,675	9	41,210	9	26,352	9	11,295	9		9		9		9		9	
1/4	70,042	1/4	55,373	1/4	40,909	1/4	26,038	1/4	10,982	1/4		1/4		1/4		1/4		1/4	
1/2	69,728	1/2	55,071	1/2	40,608	1/2	25,724	1/2	10,668	1/2		1/2		1/2		1/2		1/2	
3/4	69,414	3/4	54,769	3/4	40,307	3/4	25,411	3/4	10,354	3/4		3/4		3/4		3/4		3/4	
10	69,101	10	54,467	10	40,006	10	25,097	10	10,041	10		10		10		10		10	
1/4	68,787	1/4	54,165	1/4	39,705	1/4	24,783	1/4	9,727	1/4		1/4		1/4		1/4		1/4	
1/2	68,473	1/2	53,863	1/2	39,404	1/2	24,470	1/2	9,413	1/2		1/2		1/2		1/2		1/2	
3/4	68,160	3/4	53,561	3/4	39,103	3/4	24,156	3/4	9,100	3/4		3/4		3/4		3/4		3/4	
11	67,846	11	53,259	11	38,802	11	23,842	11	8,786	11		11		11		11		11	
1/4	67,532	1/4	52,957	1/4	38,500	1/4	23,529	1/4	8,472	1/4		1/4		1/4		1/4		1/4	
1/2	67,218	1/2	52,655	1/2	38,199	1/2	23,215	1/2	8,159	1/2		1/2		1/2		1/2		1/2	
3/4	66,905	3/4	52,354	3/4	37,897	3/4	22,901	3/4	7,845	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/13/2016 SW  
CALCULATED: 12/13/2016 CL  
PRINTED: 12/14/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2016

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "HFL 3007"

## 2 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	202,575	0	187,569	0	172,545	0	157,488	0	142,431	0	127,375	0	112,318	0	97,255
1/4		1/4		1/4	202,262	1/4	187,257	1/4	172,231	1/4	157,174	1/4	142,118	1/4	127,061	1/4	112,004	1/4	96,941
1/2		1/2		1/2	201,950	1/2	186,944	1/2	171,917	1/2	156,861	1/2	141,804	1/2	126,747	1/2	111,691	1/2	96,627
3/4		3/4		3/4	201,637	3/4	186,632	3/4	171,604	3/4	156,547	3/4	141,490	3/4	126,434	3/4	111,377	3/4	96,313
1		1		1	201,325	1	186,319	1	171,290	1	156,233	1	141,177	1	126,120	1	111,063	1	96,000
1/4		1/4		1/4	201,012	1/4	186,006	1/4	170,976	1/4	155,920	1/4	140,863	1/4	125,806	1/4	110,750	1/4	95,686
1/2		1/2		1/2	200,699	1/2	185,694	1/2	170,663	1/2	155,606	1/2	140,549	1/2	125,493	1/2	110,436	1/2	95,372
3/4		3/4		3/4	200,387	3/4	185,381	3/4	170,349	3/4	155,292	3/4	140,236	3/4	125,179	3/4	110,122	3/4	95,058
2		2	213,991	2	200,074	2	185,069	2	170,035	2	154,979	2	139,922	2	124,865	2	109,808	2	94,744
1/4		1/4	213,812	1/4	199,762	1/4	184,756	1/4	169,722	1/4	154,665	1/4	139,608	1/4	124,552	1/4	109,495	1/4	94,430
1/2		1/2	213,633	1/2	199,449	1/2	184,443	1/2	169,408	1/2	154,351	1/2	139,295	1/2	124,238	1/2	109,181	1/2	94,116
3/4		3/4	213,454	3/4	199,136	3/4	184,131	3/4	169,094	3/4	154,038	3/4	138,981	3/4	123,924	3/4	108,867	3/4	93,803
3		3	213,275	3	198,824	3	183,818	3	168,781	3	153,724	3	138,667	3	123,611	3	108,553	3	93,489
1/4		1/4	213,044	1/4	198,511	1/4	183,505	1/4	168,467	1/4	153,410	1/4	138,354	1/4	123,297	1/4	108,239	1/4	93,175
1/2		1/2	212,813	1/2	198,198	1/2	183,193	1/2	168,153	1/2	153,097	1/2	138,040	1/2	122,983	1/2	107,925	1/2	92,861
3/4		3/4	212,582	3/4	197,886	3/4	182,880	3/4	167,840	3/4	152,783	3/4	137,726	3/4	122,670	3/4	107,612	3/4	92,547
4		4	212,350	4	197,573	4	182,568	4	167,526	4	152,469	4	137,413	4	122,356	4	107,298	4	92,233
1/4		1/4	212,071	1/4	197,261	1/4	182,255	1/4	167,212	1/4	152,156	1/4	137,099	1/4	122,042	1/4	106,984	1/4	91,920
1/2		1/2	211,791	1/2	196,948	1/2	181,942	1/2	166,899	1/2	151,842	1/2	136,785	1/2	121,729	1/2	106,670	1/2	91,606
3/4		3/4	211,511	3/4	196,635	3/4	181,630	3/4	166,585	3/4	151,528	3/4	136,472	3/4	121,415	3/4	106,356	3/4	91,292
5		5	211,232	5	196,323	5	181,317	5	166,271	5	151,214	5	136,158	5	121,101	5	106,042	5	90,978
1/4		1/4	210,926	1/4	196,010	1/4	181,005	1/4	165,957	1/4	150,901	1/4	135,844	1/4	120,787	1/4	105,728	1/4	90,664
1/2		1/2	210,621	1/2	195,698	1/2	180,692	1/2	165,644	1/2	150,587	1/2	135,530	1/2	120,474	1/2	105,415	1/2	90,350
3/4		3/4	210,315	3/4	195,385	3/4	180,379	3/4	165,330	3/4	150,273	3/4	135,217	3/4	120,160	3/4	105,101	3/4	90,037
6		6	210,010	6	195,072	6	180,067	6	165,016	6	149,960	6	134,903	6	119,846	6	104,787	6	89,723
1/4		1/4	209,700	1/4	194,760	1/4	179,754	1/4	164,703	1/4	149,646	1/4	134,589	1/4	119,533	1/4	104,473	1/4	89,409
1/2		1/2	209,391	1/2	194,447	1/2	179,441	1/2	164,389	1/2	149,332	1/2	134,276	1/2	119,219	1/2	104,159	1/2	89,095
3/4		3/4	209,082	3/4	194,134	3/4	179,129	3/4	164,075	3/4	149,019	3/4	133,962	3/4	118,905	3/4	103,845	3/4	88,781
7		7	208,773	7	193,822	7	178,816	7	163,762	7	148,705	7	133,648	7	118,592	7	103,532	7	88,467
1/4		1/4	208,463	1/4	193,509	1/4	178,503	1/4	163,448	1/4	148,391	1/4	133,335	1/4	118,278	1/4	103,218	1/4	88,154
1/2		1/2	208,154	1/2	193,197	1/2	178,190	1/2	163,134	1/2	148,078	1/2	133,021	1/2	117,964	1/2	102,904	1/2	87,840
3/4		3/4	207,844	3/4	192,884	3/4	177,877	3/4	162,821	3/4	147,764	3/4	132,707	3/4	117,651	3/4	102,590	3/4	87,526
8		8	207,535	8	192,571	8	177,564	8	162,507	8	147,450	8	132,394	8	117,337	8	102,276	8	87,212
1/4		1/4	207,225	1/4	192,259	1/4	177,250	1/4	162,193	1/4	147,137	1/4	132,080	1/4	117,023	1/4	101,962	1/4	86,898
1/2		1/2	206,915	1/2	191,946	1/2	176,936	1/2	161,880	1/2	146,823	1/2	131,766	1/2	116,710	1/2	101,649	1/2	86,584
3/4		3/4	206,606	3/4	191,634	3/4	176,623	3/4	161,566	3/4	146,509	3/4	131,453	3/4	116,396	3/4	101,335	3/4	86,271
9		9	206,296	9	191,321	9	176,309	9	161,252	9	146,196	9	131,139	9	116,082	9	101,021	9	85,957
1/4		1/4	205,986	1/4	191,008	1/4	175,995	1/4	160,939	1/4	145,882	1/4	130,825	1/4	115,769	1/4	100,707	1/4	85,643
1/2		1/2	205,677	1/2	190,696	1/2	175,682	1/2	160,625	1/2	145,568	1/2	130,512	1/2	115,455	1/2	100,393	1/2	85,329
3/4		3/4	205,367	3/4	190,383	3/4	175,368	3/4	160,311	3/4	145,255	3/4	130,198	3/4	115,141	3/4	100,079	3/4	85,015
10		10	205,057	10	190,070	10	175,054	10	159,998	10	144,941	10	129,884	10	114,828	10	99,766	10	84,701
1/4		1/4	204,748	1/4	189,758	1/4	174,741	1/4	159,684	1/4	144,627	1/4	129,571	1/4	114,514	1/4	99,452	1/4	84,387
1/2		1/2	204,438	1/2	189,445	1/2	174,427	1/2	159,370	1/2	144,314	1/2	129,257	1/2	114,200	1/2	99,138	1/2	84,074
3/4		3/4	204,129	3/4	189,133	3/4	174,113	3/4	159,057	3/4	144,000	3/4	128,943	3/4	113,887	3/4	98,824	3/4	83,760
11		11	203,819	11	188,820	11	173,799	11	158,743	11	143,686	11	128,630	11	113,573	11	98,510	11	83,446
1/4		1/4	203,508	1/4	188,507	1/4	173,486	1/4	158,429	1/4	143,372	1/4	128,316	1/4	113,259	1/4	98,196	1/4	83,132
1/2		1/2	203,197	1/2	188,195	1/2	173,172	1/2	158,115	1/2	143,059	1/2	128,002	1/2	112,945	1/2	97,883	1/2	82,818
3/4		3/4	202,886	3/4	187,886	3/4	172,858	3/4	157,802	3/4	142,745	3/4	127,688	3/4	112,632	3/4	97,569	3/4	82,504

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 3007"

## 2 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	82,191	0	67,126	0	52,062	0	37,033	0	21,971	0	6,907	0		0		0		0	
1/4	81,877	1/4	66,813	1/4	51,749	1/4	36,720	1/4	21,658	1/4	6,594	1/4		1/4		1/4		1/4	
1/2	81,563	1/2	66,499	1/2	51,435	1/2	36,406	1/2	21,344	1/2	6,280	1/2		1/2		1/2		1/2	
3/4	81,249	3/4	66,185	3/4	51,122	3/4	36,092	3/4	21,030	3/4	5,966	3/4		3/4		3/4		3/4	
1	80,935	1	65,871	1	50,808	1	35,778	1	20,716	1	5,652	1		1		1		1	
1/4	80,621	1/4	65,557	1/4	50,495	1/4	35,464	1/4	20,402	1/4	5,338	1/4		1/4		1/4		1/4	
1/2	80,308	1/2	65,243	1/2	50,182	1/2	35,150	1/2	20,088	1/2	5,025	1/2		1/2		1/2		1/2	
3/4	79,994	3/4	64,930	3/4	49,869	3/4	34,837	3/4	19,775	3/4	4,711	3/4		3/4		3/4		3/4	
2	79,680	2	64,616	2	49,556	2	34,523	2	19,461	2	4,398	2		2		2		2	
1/4	79,366	1/4	64,302	1/4	49,243	1/4	34,209	1/4	19,147	1/4	4,085	1/4		1/4		1/4		1/4	
1/2	79,052	1/2	63,988	1/2	48,930	1/2	33,895	1/2	18,833	1/2	3,772	1/2		1/2		1/2		1/2	
3/4	78,738	3/4	63,674	3/4	48,617	3/4	33,581	3/4	18,519	3/4	3,459	3/4		3/4		3/4		3/4	
3	78,425	3	63,360	3	48,304	3	33,267	3	18,205	3	3,146	3		3		3		3	
1/4	78,111	1/4	63,047	1/4	47,991	1/4	32,953	1/4	17,892	1/4	2,833	1/4		1/4		1/4		1/4	
1/2	77,797	1/2	62,733	1/2	47,678	1/2	32,640	1/2	17,578	1/2	2,559	1/2		1/2		1/2		1/2	
3/4	77,483	3/4	62,419	3/4	47,365	3/4	32,326	3/4	17,264	3/4	2,266	3/4		3/4		3/4		3/4	
4	77,169	4	62,105	4	47,052	4	32,012	4	16,950	4	1,973	4		4		4		4	
1/4	76,855	1/4	61,791	1/4	46,739	1/4	31,698	1/4	16,636	1/4	1,737	1/4		1/4		1/4		1/4	
1/2	76,542	1/2	61,477	1/2	46,426	1/2	31,384	1/2	16,322	1/2	1,502	1/2		1/2		1/2		1/2	
3/4	76,228	3/4	61,163	3/4	46,113	3/4	31,070	3/4	16,009	3/4	1,267	3/4		3/4		3/4		3/4	
5	75,914	5	60,850	5	45,800	5	30,757	5	15,695	5	1,032	5		5		5		5	
1/4	75,600	1/4	60,536	1/4	45,487	1/4	30,443	1/4	15,381	1/4		1/4		1/4		1/4		1/4	
1/2	75,286	1/2	60,222	1/2	45,175	1/2	30,129	1/2	15,067	1/2		1/2		1/2		1/2		1/2	
3/4	74,972	3/4	59,908	3/4	44,862	3/4	29,815	3/4	14,753	3/4		3/4		3/4		3/4		3/4	
6	74,659	6	59,594	6	44,549	6	29,502	6	14,439	6		6		6		6		6	
1/4	74,345	1/4	59,280	1/4	44,236	1/4	29,188	1/4	14,126	1/4		1/4		1/4		1/4		1/4	
1/2	74,031	1/2	58,967	1/2	43,923	1/2	28,874	1/2	13,812	1/2		1/2		1/2		1/2		1/2	
3/4	73,717	3/4	58,653	3/4	43,610	3/4	28,561	3/4	13,498	3/4		3/4		3/4		3/4		3/4	
7	73,403	7	58,339	7	43,297	7	28,247	7	13,184	7		7		7		7		7	
1/4	73,089	1/4	58,025	1/4	42,984	1/4	27,933	1/4	12,870	1/4		1/4		1/4		1/4		1/4	
1/2	72,775	1/2	57,711	1/2	42,671	1/2	27,620	1/2	12,556	1/2		1/2		1/2		1/2		1/2	
3/4	72,462	3/4	57,397	3/4	42,358	3/4	27,306	3/4	12,243	3/4		3/4		3/4		3/4		3/4	
8	72,148	8	57,084	8	42,045	8	26,993	8	11,929	8		8		8		8		8	
1/4	71,834	1/4	56,770	1/4	41,733	1/4	26,679	1/4	11,615	1/4		1/4		1/4		1/4		1/4	
1/2	71,520	1/2	56,456	1/2	41,420	1/2	26,365	1/2	11,301	1/2		1/2		1/2		1/2		1/2	
3/4	71,206	3/4	56,142	3/4	41,107	3/4	26,051	3/4	10,987	3/4		3/4		3/4		3/4		3/4	
9	70,892	9	55,828	9	40,794	9	25,738	9	10,673	9		9		9		9		9	
1/4	70,579	1/4	55,514	1/4	40,481	1/4	25,424	1/4	10,360	1/4		1/4		1/4		1/4		1/4	
1/2	70,265	1/2	55,201	1/2	40,168	1/2	25,110	1/2	10,046	1/2		1/2		1/2		1/2		1/2	
3/4	69,951	3/4	54,887	3/4	39,855	3/4	24,796	3/4	9,732	3/4		3/4		3/4		3/4		3/4	
10	69,637	10	54,573	10	39,542	10	24,482	10	9,418	10		10		10		10		10	
1/4	69,323	1/4	54,259	1/4	39,229	1/4	24,168	1/4	9,104	1/4		1/4		1/4		1/4		1/4	
1/2	69,009	1/2	53,945	1/2	38,915	1/2	23,855	1/2	8,790	1/2		1/2		1/2		1/2		1/2	
3/4	68,696	3/4	53,631	3/4	38,602	3/4	23,541	3/4	8,477	3/4		3/4		3/4		3/4		3/4	
11	68,382	11	53,318	11	38,289	11	23,227	11	8,163	11		11		11		11		11	
1/4	68,068	1/4	53,004	1/4	37,975	1/4	22,913	1/4	7,849	1/4		1/4		1/4		1/4		1/4	
1/2	67,754	1/2	52,690	1/2	37,661	1/2	22,599	1/2	7,535	1/2		1/2		1/2		1/2		1/2	
3/4	67,440	3/4	52,376	3/4	37,347	3/4	22,285	3/4	7,221	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/13/2016 SW  
CALCULATED: 12/13/2016 CL  
PRINTED: 12/14/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2016

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



# BARGE "HFL 3007"

## 3 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	184,327	0	174,006	0	163,672	0	153,314	0	141,450	0	126,501	0	111,550	0	96,586
1/4		1/4		1/4	184,112	1/4	173,790	1/4	163,456	1/4	153,098	1/4	141,139	1/4	126,189	1/4	111,239	1/4	96,275
1/2		1/2		1/2	183,897	1/2	173,575	1/2	163,240	1/2	152,882	1/2	140,828	1/2	125,878	1/2	110,927	1/2	95,963
3/4		3/4		3/4	183,682	3/4	173,360	3/4	163,024	3/4	152,666	3/4	140,516	3/4	125,566	3/4	110,616	3/4	95,651
1		1		1	183,467	1	173,145	1	162,809	1	152,451	1	140,205	1	125,255	1	110,304	1	95,340
1/4		1/4		1/4	183,252	1/4	172,930	1/4	162,593	1/4	152,235	1/4	139,894	1/4	124,943	1/4	109,993	1/4	95,028
1/2		1/2		1/2	183,037	1/2	172,715	1/2	162,377	1/2	152,019	1/2	139,582	1/2	124,632	1/2	109,681	1/2	94,717
3/4		3/4		3/4	182,822	3/4	172,500	3/4	162,161	3/4	151,803	3/4	139,271	3/4	124,320	3/4	109,370	3/4	94,405
2		2		2	182,607	2	172,285	2	161,945	2	151,587	2	138,959	2	124,009	2	109,058	2	94,093
1/4		1/4		1/4	182,392	1/4	172,070	1/4	161,730	1/4	151,372	1/4	138,648	1/4	123,697	1/4	108,747	1/4	93,782
1/2		1/2		1/2	191,807	1/2	182,177	1/2	171,855	1/2	161,514	1/2	151,156	1/2	138,336	1/2	123,386	1/2	108,435
3/4		3/4		3/4	191,683	3/4	181,962	3/4	171,640	3/4	161,298	3/4	150,940	3/4	138,025	3/4	123,074	3/4	108,124
3		3		3	191,560	3	181,747	3	171,425	3	161,082	3	150,724	3	137,713	3	122,763	3	107,812
1/4		1/4		1/4	191,436	1/4	181,532	1/4	171,210	1/4	160,866	1/4	150,508	1/4	137,402	1/4	122,451	1/4	107,500
1/2		1/2		1/2	191,313	1/2	181,317	1/2	170,995	1/2	160,651	1/2	150,293	1/2	137,090	1/2	122,140	1/2	107,189
3/4		3/4		3/4	191,153	3/4	181,102	3/4	170,780	3/4	160,435	3/4	150,077	3/4	136,779	3/4	121,829	3/4	106,877
4		4		4	190,994	4	180,887	4	170,565	4	160,219	4	149,861	4	136,468	4	121,517	4	106,565
1/4		1/4		1/4	190,834	1/4	180,672	1/4	170,350	1/4	160,003	1/4	149,645	1/4	136,156	1/4	121,206	1/4	106,254
1/2		1/2		1/2	190,675	1/2	180,456	1/2	170,135	1/2	159,788	1/2	149,430	1/2	135,845	1/2	120,894	1/2	105,942
3/4		3/4		3/4	190,482	3/4	180,241	3/4	169,920	3/4	159,572	3/4	149,210	3/4	135,533	3/4	120,583	3/4	105,630
5		5		5	190,289	5	180,026	5	169,705	5	159,356	5	148,991	5	135,222	5	120,271	5	105,318
1/4		1/4		1/4	190,096	1/4	179,811	1/4	169,490	1/4	159,140	1/4	148,772	1/4	134,910	1/4	119,960	1/4	105,006
1/2		1/2		1/2	189,903	1/2	179,596	1/2	169,275	1/2	158,924	1/2	148,552	1/2	134,599	1/2	119,648	1/2	104,694
3/4		3/4		3/4	189,692	3/4	179,381	3/4	169,060	3/4	158,709	3/4	148,321	3/4	134,287	3/4	119,337	3/4	104,382
6		6		6	189,481	6	179,166	6	168,845	6	158,493	6	148,091	6	133,976	6	119,025	6	104,071
1/4		1/4		1/4	189,269	1/4	178,951	1/4	168,630	1/4	158,277	1/4	147,860	1/4	133,664	1/4	118,714	1/4	103,759
1/2		1/2		1/2	189,058	1/2	178,736	1/2	168,415	1/2	158,061	1/2	147,629	1/2	133,353	1/2	118,402	1/2	103,447
3/4		3/4		3/4	188,843	3/4	178,521	3/4	168,200	3/4	157,845	3/4	147,382	3/4	133,041	3/4	118,091	3/4	103,135
7		7		7	188,628	7	178,306	7	167,985	7	157,630	7	147,135	7	132,730	7	117,779	7	102,823
1/4		1/4		1/4	188,413	1/4	178,091	1/4	167,770	1/4	157,414	1/4	146,888	1/4	132,418	1/4	117,468	1/4	102,511
1/2		1/2		1/2	188,199	1/2	177,876	1/2	167,555	1/2	157,198	1/2	146,641	1/2	132,107	1/2	117,157	1/2	102,199
3/4		3/4		3/4	187,983	3/4	177,661	3/4	167,339	3/4	156,982	3/4	146,378	3/4	131,796	3/4	116,845	3/4	101,887
8		8		8	187,768	8	177,446	8	167,124	8	156,766	8	146,116	8	131,484	8	116,534	8	101,576
1/4		1/4		1/4	187,553	1/4	177,231	1/4	166,908	1/4	156,551	1/4	145,853	1/4	131,173	1/4	116,222	1/4	101,264
1/2		1/2		1/2	187,338	1/2	177,016	1/2	166,693	1/2	156,335	1/2	145,590	1/2	130,861	1/2	115,911	1/2	100,952
3/4		3/4		3/4	187,123	3/4	176,801	3/4	166,477	3/4	156,119	3/4	145,312	3/4	130,550	3/4	115,599	3/4	100,640
9		9		9	186,908	9	176,586	9	166,261	9	155,903	9	145,034	9	130,238	9	115,288	9	100,328
1/4		1/4		1/4	186,693	1/4	176,371	1/4	166,046	1/4	155,687	1/4	144,755	1/4	129,927	1/4	114,976	1/4	100,016
1/2		1/2		1/2	186,478	1/2	176,156	1/2	165,830	1/2	155,472	1/2	144,477	1/2	129,615	1/2	114,665	1/2	99,704
3/4		3/4		3/4	186,263	3/4	175,941	3/4	165,614	3/4	155,256	3/4	144,183	3/4	129,304	3/4	114,353	3/4	99,392
10		10		10	186,047	10	175,726	10	165,398	10	155,040	10	143,888	10	128,992	10	114,042	10	99,080
1/4		1/4		1/4	185,832	1/4	175,511	1/4	165,182	1/4	154,824	1/4	143,594	1/4	128,681	1/4	113,730	1/4	98,769
1/2		1/2		1/2	185,617	1/2	175,296	1/2	164,967	1/2	154,609	1/2	143,299	1/2	128,369	1/2	113,419	1/2	98,457
3/4		3/4		3/4	185,402	3/4	175,081	3/4	164,751	3/4	154,393	3/4	142,993	3/4	128,058	3/4	113,107	3/4	98,145
11		11		11	185,187	11	174,866	11	164,535	11	154,177	11	142,686	11	127,746	11	112,796	11	97,833
1/4		1/4		1/4	184,972	1/4	174,651	1/4	164,319	1/4	153,961	1/4	142,379	1/4	127,435	1/4	112,484	1/4	97,521
1/2		1/2		1/2	184,757	1/2	174,436	1/2	164,103	1/2	153,745	1/2	142,073	1/2	127,123	1/2	112,173	1/2	97,210
3/4		3/4		3/4	184,542	3/4	174,221	3/4	163,888	3/4	153,530	3/4	141,761	3/4	126,812	3/4	111,862	3/4	96,898

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'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "HFL 3007"

## 3 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	81,622	0	66,719	0	51,982	0	37,424	0	22,483	0	7,502	0		0		0		0	
1/4	81,310	1/4	66,409	1/4	51,680	1/4	37,119	1/4	22,171	1/4	7,189	1/4		1/4		1/4		1/4	
1/2	80,998	1/2	66,099	1/2	51,378	1/2	36,815	1/2	21,859	1/2	6,877	1/2		1/2		1/2		1/2	
3/4	80,686	3/4	65,789	3/4	51,076	3/4	36,507	3/4	21,547	3/4	6,565	3/4		3/4		3/4		3/4	
1	80,374	1	65,479	1	50,774	1	36,199	1	21,235	1	6,253	1		1		1		1	
1/4	80,062	1/4	65,169	1/4	50,471	1/4	35,891	1/4	20,923	1/4	5,941	1/4		1/4		1/4		1/4	
1/2	79,750	1/2	64,859	1/2	50,169	1/2	35,583	1/2	20,611	1/2	5,628	1/2		1/2		1/2		1/2	
3/4	79,438	3/4	64,549	3/4	49,867	3/4	35,272	3/4	20,299	3/4	5,316	3/4		3/4		3/4		3/4	
2	79,126	2	64,239	2	49,565	2	34,960	2	19,987	2	5,004	2		2		2		2	
1/4	78,814	1/4	63,929	1/4	49,263	1/4	34,649	1/4	19,675	1/4	4,692	1/4		1/4		1/4		1/4	
1/2	78,502	1/2	63,619	1/2	48,961	1/2	34,337	1/2	19,363	1/2	4,380	1/2		1/2		1/2		1/2	
3/4	78,191	3/4	63,308	3/4	48,658	3/4	34,025	3/4	19,051	3/4	4,068	3/4		3/4		3/4		3/4	
3	77,880	3	62,997	3	48,356	3	33,713	3	18,739	3	3,757	3		3		3		3	
1/4	77,569	1/4	62,687	1/4	48,054	1/4	33,401	1/4	18,427	1/4	3,445	1/4		1/4		1/4		1/4	
1/2	77,258	1/2	62,376	1/2	47,752	1/2	33,089	1/2	18,115	1/2	3,134	1/2		1/2		1/2		1/2	
3/4	76,948	3/4	62,064	3/4	47,450	3/4	32,777	3/4	17,803	3/4	2,841	3/4		3/4		3/4		3/4	
4	76,638	4	61,752	4	47,148	4	32,465	4	17,491	4	2,549	4		4		4		4	
1/4	76,328	1/4	61,441	1/4	46,847	1/4	32,153	1/4	17,179	1/4	2,257	1/4		1/4		1/4		1/4	
1/2	76,018	1/2	61,129	1/2	46,545	1/2	31,841	1/2	16,867	1/2	1,965	1/2		1/2		1/2		1/2	
3/4	75,708	3/4	60,818	3/4	46,244	3/4	31,529	3/4	16,555	3/4	1,731	3/4		3/4		3/4		3/4	
5	75,398	5	60,506	5	45,942	5	31,217	5	16,243	5	1,496	5		5		5		5	
1/4	75,088	1/4	60,194	1/4	45,641	1/4	30,905	1/4	15,931	1/4	1,262	1/4		1/4		1/4		1/4	
1/2	74,779	1/2	59,883	1/2	45,339	1/2	30,593	1/2	15,619	1/2	1,027	1/2		1/2		1/2		1/2	
3/4	74,469	3/4	59,574	3/4	45,036	3/4	30,281	3/4	15,307	3/4		3/4		3/4		3/4		3/4	
6	74,159	6	59,266	6	44,733	6	29,969	6	14,995	6		6		6		6		6	
1/4	73,849	1/4	58,957	1/4	44,430	1/4	29,658	1/4	14,683	1/4		1/4		1/4		1/4		1/4	
1/2	73,539	1/2	58,649	1/2	44,127	1/2	29,346	1/2	14,371	1/2		1/2		1/2		1/2		1/2	
3/4	73,229	3/4	58,343	3/4	43,823	3/4	29,034	3/4	14,059	3/4		3/4		3/4		3/4		3/4	
7	72,919	7	58,038	7	43,518	7	28,722	7	13,747	7		7		7		7		7	
1/4	72,609	1/4	57,733	1/4	43,213	1/4	28,410	1/4	13,435	1/4		1/4		1/4		1/4		1/4	
1/2	72,299	1/2	57,427	1/2	42,909	1/2	28,098	1/2	13,123	1/2		1/2		1/2		1/2		1/2	
3/4	71,989	3/4	57,124	3/4	42,604	3/4	27,786	3/4	12,811	3/4		3/4		3/4		3/4		3/4	
8	71,679	8	56,820	8	42,299	8	27,475	8	12,499	8		8		8		8		8	
1/4	71,369	1/4	56,516	1/4	41,994	1/4	27,163	1/4	12,187	1/4		1/4		1/4		1/4		1/4	
1/2	71,059	1/2	56,212	1/2	41,690	1/2	26,851	1/2	11,875	1/2		1/2		1/2		1/2		1/2	
3/4	70,749	3/4	55,910	3/4	41,385	3/4	26,539	3/4	11,562	3/4		3/4		3/4		3/4		3/4	
9	70,439	9	55,608	9	41,080	9	26,227	9	11,250	9		9		9		9		9	
1/4	70,129	1/4	55,306	1/4	40,776	1/4	25,915	1/4	10,938	1/4		1/4		1/4		1/4		1/4	
1/2	69,819	1/2	55,004	1/2	40,471	1/2	25,603	1/2	10,626	1/2		1/2		1/2		1/2		1/2	
3/4	69,509	3/4	54,702	3/4	40,166	3/4	25,291	3/4	10,313	3/4		3/4		3/4		3/4		3/4	
10	69,199	10	54,399	10	39,862	10	24,979	10	10,001	10		10		10		10		10	
1/4	68,889	1/4	54,097	1/4	39,557	1/4	24,667	1/4	9,688	1/4		1/4		1/4		1/4		1/4	
1/2	68,579	1/2	53,795	1/2	39,252	1/2	24,355	1/2	9,376	1/2		1/2		1/2		1/2		1/2	
3/4	68,269	3/4	53,493	3/4	38,948	3/4	24,043	3/4	9,063	3/4		3/4		3/4		3/4		3/4	
11	67,959	11	53,191	11	38,643	11	23,731	11	8,751	11		11		11		11		11	
1/4	67,649	1/4	52,889	1/4	38,338	1/4	23,419	1/4	8,438	1/4		1/4		1/4		1/4		1/4	
1/2	67,339	1/2	52,586	1/2	38,034	1/2	23,107	1/2	8,126	1/2		1/2		1/2		1/2		1/2	
3/4	67,029	3/4	52,284	3/4	37,729	3/4	22,795	3/4	7,814	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/13/2016 SW  
CALCULATED: 12/13/2016 CL  
PRINTED: 12/14/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2016

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



# BARGE "HFL 3007"

## 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	184,936	0	174,614	0	164,278	0	153,920	0	141,852	0	126,868	0	111,884	0	96,885
1/4		1/4		1/4	184,721	1/4	174,399	1/4	164,062	1/4	153,704	1/4	141,539	1/4	126,556	1/4	111,572	1/4	96,572
1/2		1/2		1/2	184,506	1/2	174,184	1/2	163,846	1/2	153,488	1/2	141,227	1/2	126,244	1/2	111,260	1/2	96,260
3/4		3/4		3/4	184,291	3/4	173,969	3/4	163,631	3/4	153,272	3/4	140,915	3/4	125,931	3/4	110,947	3/4	95,947
1		1		1	184,075	1	173,754	1	163,415	1	153,056	1	140,603	1	125,619	1	110,635	1	95,635
1/4		1/4		1/4	183,860	1/4	173,538	1/4	163,199	1/4	152,841	1/4	140,291	1/4	125,307	1/4	110,323	1/4	95,322
1/2		1/2		1/2	183,645	1/2	173,323	1/2	162,983	1/2	152,625	1/2	139,979	1/2	124,995	1/2	110,011	1/2	95,009
3/4		3/4		3/4	183,430	3/4	173,108	3/4	162,767	3/4	152,409	3/4	139,667	3/4	124,683	3/4	109,699	3/4	94,697
2		2	192,846	2	183,215	2	172,893	2	162,552	2	152,193	2	139,355	2	124,371	2	109,386	2	94,384
1/4		1/4	192,722	1/4	183,000	1/4	172,678	1/4	162,336	1/4	151,977	1/4	139,042	1/4	124,058	1/4	109,074	1/4	94,072
1/2		1/2	192,599	1/2	182,785	1/2	172,463	1/2	162,120	1/2	151,762	1/2	138,730	1/2	123,746	1/2	108,762	1/2	93,759
3/4		3/4	192,475	3/4	182,570	3/4	172,248	3/4	161,904	3/4	151,546	3/4	138,418	3/4	123,434	3/4	108,450	3/4	93,447
3		3	192,352	3	182,355	3	172,033	3	161,688	3	151,330	3	138,106	3	123,122	3	108,137	3	93,134
1/4		1/4	192,192	1/4	182,140	1/4	171,818	1/4	161,473	1/4	151,114	1/4	137,794	1/4	122,810	1/4	107,825	1/4	92,821
1/2		1/2	192,033	1/2	181,925	1/2	171,603	1/2	161,257	1/2	150,898	1/2	137,482	1/2	122,498	1/2	107,512	1/2	92,509
3/4		3/4	191,873	3/4	181,710	3/4	171,388	3/4	161,041	3/4	150,683	3/4	137,169	3/4	122,185	3/4	107,200	3/4	92,196
4		4	191,714	4	181,495	4	171,173	4	160,825	4	150,467	4	136,857	4	121,873	4	106,888	4	91,884
1/4		1/4	191,521	1/4	181,280	1/4	170,958	1/4	160,609	1/4	150,247	1/4	136,545	1/4	121,561	1/4	106,575	1/4	91,571
1/2		1/2	191,328	1/2	181,065	1/2	170,743	1/2	160,394	1/2	150,028	1/2	136,233	1/2	121,249	1/2	106,262	1/2	91,258
3/4		3/4	191,135	3/4	180,850	3/4	170,528	3/4	160,178	3/4	149,809	3/4	135,921	3/4	120,937	3/4	105,950	3/4	90,946
5		5	190,942	5	180,635	5	170,313	5	159,962	5	149,589	5	135,609	5	120,625	5	105,637	5	90,633
1/4		1/4	190,731	1/4	180,420	1/4	170,098	1/4	159,746	1/4	149,358	1/4	135,296	1/4	120,312	1/4	105,325	1/4	90,321
1/2		1/2	190,519	1/2	180,205	1/2	169,883	1/2	159,530	1/2	149,127	1/2	134,984	1/2	120,000	1/2	105,012	1/2	90,008
3/4		3/4	190,308	3/4	179,990	3/4	169,668	3/4	159,315	3/4	148,896	3/4	134,672	3/4	119,688	3/4	104,700	3/4	89,696
6		6	190,097	6	179,775	6	169,453	6	159,099	6	148,665	6	134,360	6	119,376	6	104,387	6	89,383
1/4		1/4	189,882	1/4	179,560	1/4	169,238	1/4	158,883	1/4	148,418	1/4	134,048	1/4	119,064	1/4	104,074	1/4	89,070
1/2		1/2	189,667	1/2	179,345	1/2	169,023	1/2	158,667	1/2	148,171	1/2	133,736	1/2	118,752	1/2	103,762	1/2	88,758
3/4		3/4	189,452	3/4	179,130	3/4	168,808	3/4	158,451	3/4	147,924	3/4	133,423	3/4	118,439	3/4	103,449	3/4	88,445
7		7	189,237	7	178,915	7	168,593	7	158,236	7	147,677	7	133,111	7	118,127	7	103,137	7	88,133
1/4		1/4	189,022	1/4	178,699	1/4	168,377	1/4	158,020	1/4	147,414	1/4	132,799	1/4	117,815	1/4	102,824	1/4	87,820
1/2		1/2	188,807	1/2	178,484	1/2	168,162	1/2	157,804	1/2	147,151	1/2	132,487	1/2	117,503	1/2	102,511	1/2	87,507
3/4		3/4	188,592	3/4	178,269	3/4	167,946	3/4	157,588	3/4	146,888	3/4	132,175	3/4	117,191	3/4	102,199	3/4	87,195
8		8	188,377	8	178,054	8	167,731	8	157,372	8	146,625	8	131,863	8	116,879	8	101,886	8	86,882
1/4		1/4	188,162	1/4	177,839	1/4	167,515	1/4	157,157	1/4	146,346	1/4	131,550	1/4	116,566	1/4	101,574	1/4	86,570
1/2		1/2	187,947	1/2	177,624	1/2	167,299	1/2	156,941	1/2	146,067	1/2	131,238	1/2	116,254	1/2	101,261	1/2	86,257
3/4		3/4	187,732	3/4	177,409	3/4	167,083	3/4	156,725	3/4	145,788	3/4	130,926	3/4	115,942	3/4	100,949	3/4	85,945
9		9	187,516	9	177,194	9	166,868	9	156,509	9	145,509	9	130,614	9	115,630	9	100,636	9	85,632
1/4		1/4	187,301	1/4	176,979	1/4	166,652	1/4	156,293	1/4	145,214	1/4	130,302	1/4	115,318	1/4	100,323	1/4	85,319
1/2		1/2	187,086	1/2	176,764	1/2	166,436	1/2	156,078	1/2	144,919	1/2	129,990	1/2	115,006	1/2	100,011	1/2	85,007
3/4		3/4	186,871	3/4	176,549	3/4	166,220	3/4	155,862	3/4	144,624	3/4	129,677	3/4	114,693	3/4	99,698	3/4	84,694
10		10	186,656	10	176,334	10	166,004	10	155,646	10	144,329	10	129,365	10	114,381	10	99,386	10	84,382
1/4		1/4	186,441	1/4	176,119	1/4	165,789	1/4	155,430	1/4	144,021	1/4	129,053	1/4	114,069	1/4	99,073	1/4	84,069
1/2		1/2	186,226	1/2	175,904	1/2	165,573	1/2	155,214	1/2	143,714	1/2	128,741	1/2	113,757	1/2	98,760	1/2	83,757
3/4		3/4	186,011	3/4	175,689	3/4	165,357	3/4	154,999	3/4	143,406	3/4	128,429	3/4	113,445	3/4	98,448	3/4	83,444
11		11	185,796	11	175,474	11	165,141	11	154,783	11	143,099	11	128,117	11	113,133	11	98,135	11	83,131
1/4		1/4	185,581	1/4	175,259	1/4	164,925	1/4	154,567	1/4	142,787	1/4	127,804	1/4	112,820	1/4	97,823	1/4	82,819
1/2		1/2	185,366	1/2	175,044	1/2	164,710	1/2	154,351	1/2	142,475	1/2	127,492	1/2	112,508	1/2	97,510	1/2	82,506
3/4		3/4	185,151	3/4	174,829	3/4	164,494	3/4	154,135	3/4	142,163	3/4	127,180	3/4	112,196	3/4	97,198	3/4	82,194

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'-00" FORWARD OF AFT BULKHEAD.

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# BARGE "HFL 3007"

## 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	81,881	0	66,877	0	51,873	0	36,884	0	21,884	0	6,880	0		0		0		0	
1/4	81,568	1/4	66,564	1/4	51,561	1/4	36,572	1/4	21,571	1/4	6,568	1/4		1/4		1/4		1/4	
1/2	81,256	1/2	66,252	1/2	51,248	1/2	36,260	1/2	21,258	1/2	6,255	1/2		1/2		1/2		1/2	
3/4	80,943	3/4	65,939	3/4	50,935	3/4	35,948	3/4	20,946	3/4	5,942	3/4		3/4		3/4		3/4	
1	80,631	1	65,627	1	50,623	1	35,636	1	20,633	1	5,630	1		1		1		1	
1/4	80,318	1/4	65,314	1/4	50,310	1/4	35,324	1/4	20,321	1/4	5,318	1/4		1/4		1/4		1/4	
1/2	80,006	1/2	65,002	1/2	49,998	1/2	35,011	1/2	20,008	1/2	5,005	1/2		1/2		1/2		1/2	
3/4	79,693	3/4	64,689	3/4	49,685	3/4	34,699	3/4	19,696	3/4	4,693	3/4		3/4		3/4		3/4	
2	79,380	2	64,376	2	49,372	2	34,387	2	19,383	2	4,381	2		2		2		2	
1/4	79,068	1/4	64,064	1/4	49,060	1/4	34,074	1/4	19,070	1/4	4,069	1/4		1/4		1/4		1/4	
1/2	78,755	1/2	63,751	1/2	48,747	1/2	33,761	1/2	18,758	1/2	3,757	1/2		1/2		1/2		1/2	
3/4	78,443	3/4	63,439	3/4	48,435	3/4	33,449	3/4	18,445	3/4	3,446	3/4		3/4		3/4		3/4	
3	78,130	3	63,126	3	48,122	3	33,136	3	18,133	3	3,134	3		3		3		3	
1/4	77,817	1/4	62,813	1/4	47,810	1/4	32,824	1/4	17,820	1/4	2,842	1/4		1/4		1/4		1/4	
1/2	77,505	1/2	62,501	1/2	47,497	1/2	32,511	1/2	17,508	1/2	2,550	1/2		1/2		1/2		1/2	
3/4	77,192	3/4	62,188	3/4	47,185	3/4	32,199	3/4	17,195	3/4	2,257	3/4		3/4		3/4		3/4	
4	76,880	4	61,876	4	46,872	4	31,886	4	16,882	4	1,965	4		4		4		4	
1/4	76,567	1/4	61,563	1/4	46,560	1/4	31,573	1/4	16,570	1/4	1,731	1/4		1/4		1/4		1/4	
1/2	76,255	1/2	61,251	1/2	46,248	1/2	31,261	1/2	16,257	1/2	1,496	1/2		1/2		1/2		1/2	
3/4	75,942	3/4	60,938	3/4	45,935	3/4	30,948	3/4	15,945	3/4	1,262	3/4		3/4		3/4		3/4	
5	75,629	5	60,625	5	45,623	5	30,636	5	15,632	5	1,027	5		5		5		5	
1/4	75,317	1/4	60,313	1/4	45,311	1/4	30,323	1/4	15,320	1/4		1/4		1/4		1/4		1/4	
1/2	75,004	1/2	60,000	1/2	44,999	1/2	30,010	1/2	15,007	1/2		1/2		1/2		1/2		1/2	
3/4	74,692	3/4	59,688	3/4	44,686	3/4	29,698	3/4	14,694	3/4		3/4		3/4		3/4		3/4	
6	74,379	6	59,375	6	44,374	6	29,385	6	14,382	6		6		6		6		6	
1/4	74,066	1/4	59,063	1/4	44,062	1/4	29,073	1/4	14,069	1/4		1/4		1/4		1/4		1/4	
1/2	73,754	1/2	58,750	1/2	43,750	1/2	28,760	1/2	13,757	1/2		1/2		1/2		1/2		1/2	
3/4	73,441	3/4	58,437	3/4	43,438	3/4	28,448	3/4	13,444	3/4		3/4		3/4		3/4		3/4	
7	73,129	7	58,125	7	43,126	7	28,135	7	13,132	7		7		7		7		7	
1/4	72,816	1/4	57,812	1/4	42,814	1/4	27,822	1/4	12,819	1/4		1/4		1/4		1/4		1/4	
1/2	72,504	1/2	57,500	1/2	42,502	1/2	27,510	1/2	12,506	1/2		1/2		1/2		1/2		1/2	
3/4	72,191	3/4	57,187	3/4	42,190	3/4	27,197	3/4	12,194	3/4		3/4		3/4		3/4		3/4	
8	71,878	8	56,874	8	41,878	8	26,885	8	11,881	8		8		8		8		8	
1/4	71,566	1/4	56,562	1/4	41,565	1/4	26,572	1/4	11,569	1/4		1/4		1/4		1/4		1/4	
1/2	71,253	1/2	56,249	1/2	41,253	1/2	26,260	1/2	11,256	1/2		1/2		1/2		1/2		1/2	
3/4	70,941	3/4	55,937	3/4	40,941	3/4	25,947	3/4	10,944	3/4		3/4		3/4		3/4		3/4	
9	70,628	9	55,624	9	40,629	9	25,634	9	10,631	9		9		9		9		9	
1/4	70,315	1/4	55,312	1/4	40,317	1/4	25,322	1/4	10,318	1/4		1/4		1/4		1/4		1/4	
1/2	70,003	1/2	54,999	1/2	40,005	1/2	25,009	1/2	10,006	1/2		1/2		1/2		1/2		1/2	
3/4	69,690	3/4	54,686	3/4	39,693	3/4	24,697	3/4	9,693	3/4		3/4		3/4		3/4		3/4	
10	69,378	10	54,374	10	39,381	10	24,384	10	9,381	10		10		10		10		10	
1/4	69,065	1/4	54,061	1/4	39,069	1/4	24,072	1/4	9,068	1/4		1/4		1/4		1/4		1/4	
1/2	68,753	1/2	53,749	1/2	38,757	1/2	23,759	1/2	8,756	1/2		1/2		1/2		1/2		1/2	
3/4	68,440	3/4	53,436	3/4	38,445	3/4	23,446	3/4	8,443	3/4		3/4		3/4		3/4		3/4	
11	68,127	11	53,123	11	38,133	11	23,134	11	8,130	11		11		11		11		11	
1/4	67,815	1/4	52,811	1/4	37,820	1/4	22,821	1/4	7,818	1/4		1/4		1/4		1/4		1/4	
1/2	67,502	1/2	52,498	1/2	37,508	1/2	22,509	1/2	7,505	1/2		1/2		1/2		1/2		1/2	
3/4	67,190	3/4	52,186	3/4	37,196	3/4	22,196	3/4	7,193	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/13/2016 SW  
CALCULATED: 12/13/2016 CL  
PRINTED: 12/14/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2016

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



# BARGE "HFL 3007"

# 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: 12/13/2016 SW  
CALCULATED: 13/13/2016 CL  
PRINTED: 12/14/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2016

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 3007"

# 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: 12/13/2016 SW  
CALCULATED: 12/13/2016 CL  
PRINTED: 12/13/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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