



BARGE "HFL 3006"

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 3006"

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	199,867	0	184,914	0	169,944	0	154,944	0	139,945	0	124,945	0	109,946	0	94,941
1/4		1/4		1/4	199,557	1/4	184,602	1/4	169,631	1/4	154,632	1/4	139,632	1/4	124,633	1/4	109,634	1/4	94,629
1/2		1/2		1/2	199,246	1/2	184,291	1/2	169,319	1/2	154,319	1/2	139,320	1/2	124,320	1/2	109,321	1/2	94,316
3/4		3/4		3/4	198,935	3/4	183,979	3/4	169,006	3/4	154,007	3/4	139,007	3/4	124,008	3/4	109,009	3/4	94,003
1		1		1	198,623	1	183,667	1	168,694	1	153,694	1	138,695	1	123,695	1	108,696	1	93,691
1/4		1/4		1/4	198,312	1/4	183,356	1/4	168,381	1/4	153,382	1/4	138,382	1/4	123,383	1/4	108,384	1/4	93,378
1/2		1/2		1/2	198,000	1/2	183,044	1/2	168,069	1/2	153,069	1/2	138,070	1/2	123,070	1/2	108,071	1/2	93,065
3/4		3/4		3/4	197,688	3/4	182,733	3/4	167,756	3/4	152,757	3/4	137,757	3/4	122,758	3/4	107,759	3/4	92,753
2		2		2	197,377	2	182,421	2	167,444	2	152,444	2	137,445	2	122,446	2	107,446	2	92,440
1/4		1/4		1/4	197,065	1/4	182,110	1/4	167,131	1/4	152,132	1/4	137,132	1/4	122,133	1/4	107,133	1/4	92,128
1/2		1/2		1/2	210,660	1/2	196,754	1/2	181,798	1/2	166,819	1/2	151,819	1/2	136,820	1/2	121,821	1/2	106,821
3/4		3/4		3/4	210,481	3/4	196,442	3/4	181,486	3/4	166,506	3/4	151,507	3/4	136,507	3/4	121,508	3/4	106,508
3		3		3	210,301	3	196,130	3	181,175	3	166,194	3	151,194	3	136,195	3	121,196	3	106,196
1/4		1/4		1/4	210,122	1/4	195,819	1/4	180,863	1/4	165,881	1/4	150,882	1/4	135,882	1/4	120,883	1/4	105,883
1/2		1/2		1/2	209,943	1/2	195,507	1/2	180,552	1/2	165,569	1/2	150,569	1/2	135,570	1/2	120,571	1/2	105,570
3/4		3/4		3/4	209,711	3/4	195,196	3/4	180,240	3/4	165,256	3/4	150,257	3/4	135,257	3/4	120,258	3/4	105,258
4		4		4	209,480	4	194,884	4	179,929	4	164,944	4	149,944	4	134,945	4	119,946	4	104,945
1/4		1/4		1/4	209,249	1/4	194,573	1/4	179,617	1/4	164,631	1/4	149,632	1/4	134,633	1/4	119,633	1/4	104,633
1/2		1/2		1/2	209,017	1/2	194,261	1/2	179,305	1/2	164,319	1/2	149,319	1/2	134,320	1/2	119,321	1/2	104,320
3/4		3/4		3/4	208,737	3/4	193,949	3/4	178,994	3/4	164,006	3/4	149,007	3/4	134,008	3/4	119,008	3/4	104,007
5		5		5	208,458	5	193,638	5	178,682	5	163,694	5	148,694	5	133,695	5	118,696	5	103,695
1/4		1/4		1/4	208,178	1/4	193,326	1/4	178,371	1/4	163,381	1/4	148,382	1/4	133,383	1/4	118,383	1/4	103,382
1/2		1/2		1/2	207,898	1/2	193,015	1/2	178,059	1/2	163,069	1/2	148,069	1/2	133,070	1/2	118,071	1/2	103,069
3/4		3/4		3/4	207,593	3/4	192,703	3/4	177,748	3/4	162,756	3/4	147,757	3/4	132,758	3/4	117,758	3/4	102,757
6		6		6	207,287	6	192,392	6	177,436	6	162,444	6	147,444	6	132,445	6	117,446	6	102,444
1/4		1/4		1/4	206,982	1/4	192,080	1/4	177,124	1/4	162,131	1/4	147,132	1/4	132,133	1/4	117,133	1/4	102,132
1/2		1/2		1/2	206,677	1/2	191,768	1/2	176,813	1/2	161,819	1/2	146,820	1/2	131,820	1/2	116,821	1/2	101,819
3/4		3/4		3/4	206,367	3/4	191,457	3/4	176,501	3/4	161,506	3/4	146,507	3/4	131,508	3/4	116,508	3/4	101,506
7		7		7	206,058	7	191,145	7	176,190	7	161,194	7	146,195	7	131,195	7	116,196	7	101,194
1/4		1/4		1/4	205,749	1/4	190,834	1/4	175,878	1/4	160,881	1/4	145,882	1/4	130,883	1/4	115,883	1/4	100,881
1/2		1/2		1/2	205,440	1/2	190,522	1/2	175,566	1/2	160,569	1/2	145,570	1/2	130,570	1/2	115,571	1/2	100,568
3/4		3/4		3/4	205,131	3/4	190,211	3/4	175,254	3/4	160,256	3/4	145,257	3/4	130,258	3/4	115,258	3/4	100,256
8		8		8	204,821	8	189,899	8	174,942	8	159,944	8	144,945	8	129,945	8	114,946	8	99,943
1/4		1/4		1/4	204,512	1/4	189,587	1/4	174,630	1/4	159,631	1/4	144,632	1/4	129,633	1/4	114,633	1/4	99,631
1/2		1/2		1/2	204,202	1/2	189,276	1/2	174,318	1/2	159,319	1/2	144,320	1/2	129,320	1/2	114,321	1/2	99,318
3/4		3/4		3/4	203,893	3/4	188,964	3/4	174,006	3/4	159,007	3/4	144,007	3/4	129,008	3/4	114,008	3/4	99,005
9		9		9	203,583	9	188,653	9	173,693	9	158,694	9	143,695	9	128,695	9	113,696	9	98,693
1/4		1/4		1/4	203,274	1/4	188,341	1/4	173,381	1/4	158,382	1/4	143,382	1/4	128,383	1/4	113,383	1/4	98,380
1/2		1/2		1/2	202,964	1/2	188,030	1/2	173,068	1/2	158,069	1/2	143,070	1/2	128,070	1/2	113,071	1/2	98,067
3/4		3/4		3/4	202,655	3/4	187,718	3/4	172,756	3/4	157,757	3/4	142,757	3/4	127,758	3/4	112,758	3/4	97,755
10		10		10	202,345	10	187,406	10	172,443	10	157,444	10	142,445	10	127,445	10	112,446	10	97,442
1/4		1/4		1/4	202,036	1/4	187,095	1/4	172,131	1/4	157,132	1/4	142,132	1/4	127,133	1/4	112,133	1/4	97,130
1/2		1/2		1/2	201,726	1/2	186,783	1/2	171,818	1/2	156,819	1/2	141,820	1/2	126,820	1/2	111,821	1/2	96,817
3/4		3/4		3/4	201,417	3/4	186,472	3/4	171,506	3/4	156,507	3/4	141,507	3/4	126,508	3/4	111,508	3/4	96,504
11		11		11	201,107	11	186,160	11	171,194	11	156,194	11	141,195	11	126,195	11	111,196	11	96,192
1/4		1/4		1/4	200,798	1/4	185,848	1/4	170,881	1/4	155,882	1/4	140,882	1/4	125,883	1/4	110,883	1/4	95,879
1/2		1/2		1/2	200,488	1/2	185,537	1/2	170,569	1/2	155,569	1/2	140,570	1/2	125,570	1/2	110,571	1/2	95,566
3/4		3/4		3/4	200,178	3/4	185,225	3/4	170,256	3/4	155,257	3/4	140,257	3/4	125,258	3/4	110,259	3/4	95,254

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 3006"

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	79,935	0	64,930	0	50,022	0	35,023	0	20,017	0	5,785	0		0		0		0	
1/4	79,623	1/4	64,617	1/4	49,711	1/4	34,710	1/4	19,705	1/4	5,511	1/4		1/4		1/4		1/4	
1/2	79,310	1/2	64,305	1/2	49,400	1/2	34,397	1/2	19,392	1/2	5,237	1/2		1/2		1/2		1/2	
3/4	78,997	3/4	63,994	3/4	49,088	3/4	34,085	3/4	19,079	3/4	4,967	3/4		3/4		3/4		3/4	
1	78,685	1	63,682	1	48,776	1	33,772	1	18,767	1	4,697	1		1		1		1	
1/4	78,372	1/4	63,371	1/4	48,464	1/4	33,460	1/4	18,454	1/4	4,426	1/4		1/4		1/4		1/4	
1/2	78,060	1/2	63,059	1/2	48,152	1/2	33,147	1/2	18,142	1/2	4,156	1/2		1/2		1/2		1/2	
3/4	77,747	3/4	62,749	3/4	47,840	3/4	32,834	3/4	17,830	3/4	3,890	3/4		3/4		3/4		3/4	
2	77,434	2	62,439	2	47,527	2	32,522	2	17,518	2	3,624	2		2		2		2	
1/4	77,122	1/4	62,128	1/4	47,215	1/4	32,209	1/4	17,207	1/4	3,358	1/4		1/4		1/4		1/4	
1/2	76,809	1/2	61,818	1/2	46,902	1/2	31,897	1/2	16,895	1/2	3,091	1/2		1/2		1/2		1/2	
3/4	76,497	3/4	61,507	3/4	46,589	3/4	31,584	3/4	16,586	3/4	2,830	3/4		3/4		3/4		3/4	
3	76,184	3	61,197	3	46,277	3	31,271	3	16,277	3	2,568	3		3		3		3	
1/4	75,871	1/4	60,887	1/4	45,964	1/4	30,959	1/4	15,969	1/4	2,307	1/4		1/4		1/4		1/4	
1/2	75,559	1/2	60,577	1/2	45,652	1/2	30,646	1/2	15,660	1/2	2,045	1/2		1/2		1/2		1/2	
3/4	75,246	3/4	60,266	3/4	45,339	3/4	30,333	3/4	15,355	3/4	1,807	3/4		3/4		3/4		3/4	
4	74,933	4	59,956	4	45,026	4	30,021	4	15,050	4	1,568	4		4		4		4	
1/4	74,621	1/4	59,646	1/4	44,714	1/4	29,708	1/4	14,745	1/4	1,330	1/4		1/4		1/4		1/4	
1/2	74,308	1/2	59,335	1/2	44,401	1/2	29,396	1/2	14,440	1/2	1,091	1/2		1/2		1/2		1/2	
3/4	73,996	3/4	59,025	3/4	44,088	3/4	29,083	3/4	14,139	3/4	915	3/4		3/4		3/4		3/4	
5	73,683	5	58,715	5	43,776	5	28,770	5	13,838	5	738	5		5		5		5	
1/4	73,370	1/4	58,405	1/4	43,463	1/4	28,458	1/4	13,537	1/4	561	1/4		1/4		1/4		1/4	
1/2	73,058	1/2	58,094	1/2	43,151	1/2	28,145	1/2	13,236	1/2	385	1/2		1/2		1/2		1/2	
3/4	72,745	3/4	57,784	3/4	42,838	3/4	27,833	3/4	12,939	3/4		3/4		3/4		3/4		3/4	
6	72,432	6	57,474	6	42,525	6	27,520	6	12,642	6		6		6		6		6	
1/4	72,120	1/4	57,164	1/4	42,213	1/4	27,207	1/4	12,344	1/4		1/4		1/4		1/4		1/4	
1/2	71,807	1/2	56,853	1/2	41,900	1/2	26,895	1/2	12,047	1/2		1/2		1/2		1/2		1/2	
3/4	71,495	3/4	56,543	3/4	41,588	3/4	26,582	3/4	11,754	3/4		3/4		3/4		3/4		3/4	
7	71,182	7	56,233	7	41,275	7	26,269	7	11,460	7		7		7		7		7	
1/4	70,869	1/4	55,923	1/4	40,962	1/4	25,957	1/4	11,167	1/4		1/4		1/4		1/4		1/4	
1/2	70,557	1/2	55,612	1/2	40,650	1/2	25,644	1/2	10,874	1/2		1/2		1/2		1/2		1/2	
3/4	70,244	3/4	55,302	3/4	40,337	3/4	25,332	3/4	10,584	3/4		3/4		3/4		3/4		3/4	
8	69,931	8	54,992	8	40,024	8	25,019	8	10,295	8		8		8		8		8	
1/4	69,619	1/4	54,682	1/4	39,712	1/4	24,706	1/4	10,005	1/4		1/4		1/4		1/4		1/4	
1/2	69,306	1/2	54,371	1/2	39,399	1/2	24,394	1/2	9,715	1/2		1/2		1/2		1/2		1/2	
3/4	68,994	3/4	54,061	3/4	39,087	3/4	24,081	3/4	9,430	3/4		3/4		3/4		3/4		3/4	
9	68,681	9	53,751	9	38,774	9	23,769	9	9,144	9		9		9		9		9	
1/4	68,368	1/4	53,441	1/4	38,461	1/4	23,456	1/4	8,858	1/4		1/4		1/4		1/4		1/4	
1/2	68,056	1/2	53,130	1/2	38,149	1/2	23,143	1/2	8,573	1/2		1/2		1/2		1/2		1/2	
3/4	67,743	3/4	52,820	3/4	37,836	3/4	22,831	3/4	8,291	3/4		3/4		3/4		3/4		3/4	
10	67,430	10	52,509	10	37,524	10	22,518	10	8,009	10		10		10		10		10	
1/4	67,118	1/4	52,199	1/4	37,211	1/4	22,206	1/4	7,727	1/4		1/4		1/4		1/4		1/4	
1/2	66,805	1/2	51,888	1/2	36,898	1/2	21,893	1/2	7,445	1/2		1/2		1/2		1/2		1/2	
3/4	66,493	3/4	51,578	3/4	36,586	3/4	21,580	3/4	7,168	3/4		3/4		3/4		3/4		3/4	
11	66,180	11	51,267	11	36,273	11	21,268	11	6,890	11		11		11		11		11	
1/4	65,867	1/4	50,956	1/4	35,960	1/4	20,955	1/4	6,612	1/4		1/4		1/4		1/4		1/4	
1/2	65,555	1/2	50,645	1/2	35,648	1/2	20,642	1/2	6,334	1/2		1/2		1/2		1/2		1/2	
3/4	65,242	3/4	50,334	3/4	35,335	3/4	20,330	3/4	6,059	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 3006"

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	199,913	0	184,963	0	169,997	0	155,001	0	140,005	0	125,010	0	110,014	0	95,013
1/4		1/4		1/4	199,602	1/4	184,652	1/4	169,684	1/4	154,688	1/4	139,693	1/4	124,697	1/4	109,702	1/4	94,701
1/2		1/2		1/2	199,292	1/2	184,340	1/2	169,372	1/2	154,376	1/2	139,380	1/2	124,385	1/2	109,389	1/2	94,388
3/4		3/4		3/4	198,981	3/4	184,029	3/4	169,059	3/4	154,064	3/4	139,068	3/4	124,073	3/4	109,077	3/4	94,076
1		1		1	198,669	1	183,717	1	168,747	1	153,751	1	138,756	1	123,760	1	108,765	1	93,763
1/4		1/4		1/4	198,358	1/4	183,406	1/4	168,435	1/4	153,439	1/4	138,443	1/4	123,448	1/4	108,452	1/4	93,451
1/2		1/2		1/2	198,046	1/2	183,094	1/2	168,122	1/2	153,126	1/2	138,131	1/2	123,135	1/2	108,140	1/2	93,138
3/4		3/4		3/4	197,735	3/4	182,783	3/4	167,810	3/4	152,814	3/4	137,818	3/4	122,823	3/4	107,827	3/4	92,826
2		2		2	197,423	2	182,471	2	167,497	2	152,502	2	137,506	2	122,510	2	107,515	2	92,513
1/4		1/4		1/4	197,112	1/4	182,160	1/4	167,185	1/4	152,189	1/4	137,194	1/4	122,198	1/4	107,202	1/4	92,201
1/2		1/2		1/2	210,703	1/2	181,848	1/2	166,872	1/2	151,877	1/2	136,881	1/2	121,886	1/2	106,890	1/2	91,888
3/4		3/4		3/4	210,524	3/4	196,489	3/4	181,537	3/4	166,560	3/4	151,564	3/4	136,569	3/4	121,573	3/4	106,577
3		3		3	210,344	3	196,177	3	181,225	3	166,248	3	151,252	3	136,256	3	121,261	3	106,265
1/4		1/4		1/4	210,165	1/4	195,866	1/4	180,914	1/4	165,935	1/4	150,940	1/4	135,944	1/4	120,948	1/4	105,952
1/2		1/2		1/2	209,986	1/2	195,554	1/2	180,602	1/2	165,623	1/2	150,627	1/2	135,631	1/2	120,636	1/2	105,640
3/4		3/4		3/4	209,755	3/4	195,243	3/4	180,291	3/4	165,310	3/4	150,315	3/4	135,319	3/4	120,324	3/4	105,327
4		4		4	209,523	4	194,931	4	179,979	4	164,998	4	150,002	4	135,007	4	120,011	4	105,015
1/4		1/4		1/4	209,292	1/4	194,620	1/4	179,668	1/4	164,686	1/4	149,690	1/4	134,694	1/4	119,699	1/4	104,702
1/2		1/2		1/2	209,060	1/2	194,308	1/2	179,356	1/2	164,373	1/2	149,378	1/2	134,382	1/2	119,386	1/2	104,390
3/4		3/4		3/4	208,781	3/4	193,997	3/4	179,045	3/4	164,061	3/4	149,065	3/4	134,069	3/4	119,074	3/4	104,077
5		5		5	208,501	5	193,685	5	178,733	5	163,748	5	148,753	5	133,757	5	118,762	5	103,765
1/4		1/4		1/4	208,221	1/4	193,374	1/4	178,422	1/4	163,436	1/4	148,440	1/4	133,445	1/4	118,449	1/4	103,452
1/2		1/2		1/2	207,942	1/2	193,062	1/2	178,110	1/2	163,124	1/2	148,128	1/2	133,132	1/2	118,137	1/2	103,139
3/4		3/4		3/4	207,636	3/4	192,751	3/4	177,799	3/4	162,811	3/4	147,815	3/4	132,820	3/4	117,824	3/4	102,827
6		6		6	207,331	6	192,439	6	177,487	6	162,499	6	147,503	6	132,507	6	117,512	6	102,514
1/4		1/4		1/4	207,026	1/4	192,128	1/4	177,176	1/4	162,186	1/4	147,191	1/4	132,195	1/4	117,200	1/4	102,202
1/2		1/2		1/2	206,721	1/2	191,816	1/2	176,864	1/2	161,874	1/2	146,878	1/2	131,883	1/2	116,887	1/2	101,889
3/4		3/4		3/4	206,412	3/4	191,505	3/4	176,553	3/4	161,562	3/4	146,566	3/4	131,570	3/4	116,575	3/4	101,577
7		7		7	206,103	7	191,193	7	176,241	7	161,249	7	146,253	7	131,258	7	116,262	7	101,264
1/4		1/4		1/4	205,794	1/4	190,882	1/4	175,930	1/4	160,937	1/4	145,941	1/4	130,945	1/4	115,950	1/4	100,952
1/2		1/2		1/2	205,485	1/2	190,570	1/2	175,618	1/2	160,624	1/2	145,629	1/2	130,633	1/2	115,638	1/2	100,639
3/4		3/4		3/4	205,175	3/4	190,259	3/4	175,306	3/4	160,312	3/4	145,316	3/4	130,321	3/4	115,325	3/4	100,327
8		8		8	204,866	8	189,947	8	174,994	8	159,999	8	145,004	8	130,008	8	115,013	8	100,014
1/4		1/4		1/4	204,556	1/4	189,636	1/4	174,682	1/4	159,687	1/4	144,691	1/4	129,696	1/4	114,700	1/4	99,702
1/2		1/2		1/2	204,247	1/2	189,324	1/2	174,370	1/2	159,375	1/2	144,379	1/2	129,383	1/2	114,388	1/2	99,389
3/4		3/4		3/4	203,937	3/4	189,013	3/4	174,058	3/4	159,062	3/4	144,067	3/4	129,071	3/4	114,076	3/4	99,076
9		9		9	203,628	9	188,701	9	173,746	9	158,750	9	143,754	9	128,759	9	113,763	9	98,764
1/4		1/4		1/4	203,318	1/4	188,390	1/4	173,433	1/4	158,437	1/4	143,442	1/4	128,446	1/4	113,451	1/4	98,451
1/2		1/2		1/2	203,009	1/2	188,078	1/2	173,121	1/2	158,125	1/2	143,129	1/2	128,134	1/2	113,138	1/2	98,139
3/4		3/4		3/4	202,699	3/4	187,767	3/4	172,808	3/4	157,813	3/4	142,817	3/4	127,821	3/4	112,826	3/4	97,826
10		10		10	202,390	10	187,455	10	172,496	10	157,500	10	142,504	10	127,509	10	112,514	10	97,514
1/4		1/4		1/4	202,081	1/4	187,144	1/4	172,183	1/4	157,188	1/4	142,192	1/4	127,197	1/4	112,201	1/4	97,201
1/2		1/2		1/2	201,771	1/2	186,832	1/2	171,871	1/2	156,875	1/2	141,880	1/2	126,884	1/2	111,889	1/2	96,889
3/4		3/4		3/4	201,462	3/4	186,521	3/4	171,559	3/4	156,563	3/4	141,567	3/4	126,572	3/4	111,576	3/4	96,576
11		11		11	201,152	11	186,209	11	171,246	11	156,251	11	141,255	11	126,259	11	111,264	11	96,264
1/4		1/4		1/4	200,843	1/4	185,898	1/4	170,934	1/4	155,938	1/4	140,942	1/4	125,947	1/4	110,952	1/4	95,951
1/2		1/2		1/2	200,534	1/2	185,586	1/2	170,621	1/2	155,626	1/2	140,630	1/2	125,635	1/2	110,639	1/2	95,639
3/4		3/4		3/4	200,223	3/4	185,275	3/4	170,309	3/4	155,313	3/4	140,318	3/4	125,322	3/4	110,327	3/4	95,326

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 3006"

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	80,012	0	65,010	0	50,015	0	35,014	0	20,012	0	5,784	0		0		0		0	
1/4	79,699	1/4	64,697	1/4	49,703	1/4	34,701	1/4	19,700	1/4	5,510	1/4		1/4		1/4		1/4	
1/2	79,386	1/2	64,385	1/2	49,390	1/2	34,389	1/2	19,387	1/2	5,236	1/2		1/2		1/2		1/2	
3/4	79,074	3/4	64,072	3/4	49,077	3/4	34,076	3/4	19,075	3/4	4,966	3/4		3/4		3/4		3/4	
1	78,761	1	63,759	1	48,765	1	33,763	1	18,762	1	4,695	1		1		1		1	
1/4	78,449	1/4	63,447	1/4	48,452	1/4	33,451	1/4	18,449	1/4	4,425	1/4		1/4		1/4		1/4	
1/2	78,136	1/2	63,134	1/2	48,140	1/2	33,138	1/2	18,137	1/2	4,155	1/2		1/2		1/2		1/2	
3/4	77,824	3/4	62,822	3/4	47,827	3/4	32,826	3/4	17,825	3/4	3,889	3/4		3/4		3/4		3/4	
2	77,511	2	62,509	2	47,515	2	32,513	2	17,514	2	3,623	2		2		2		2	
1/4	77,199	1/4	62,197	1/4	47,202	1/4	32,201	1/4	17,202	1/4	3,357	1/4		1/4		1/4		1/4	
1/2	76,886	1/2	61,884	1/2	46,890	1/2	31,888	1/2	16,891	1/2	3,091	1/2		1/2		1/2		1/2	
3/4	76,574	3/4	61,572	3/4	46,577	3/4	31,576	3/4	16,582	3/4	2,829	3/4		3/4		3/4		3/4	
3	76,261	3	61,260	3	46,265	3	31,263	3	16,273	3	2,568	3		3		3		3	
1/4	75,948	1/4	60,947	1/4	45,952	1/4	30,951	1/4	15,965	1/4	2,306	1/4		1/4		1/4		1/4	
1/2	75,636	1/2	60,635	1/2	45,640	1/2	30,638	1/2	15,656	1/2	2,045	1/2		1/2		1/2		1/2	
3/4	75,323	3/4	60,323	3/4	45,327	3/4	30,326	3/4	15,351	3/4	1,806	3/4		3/4		3/4		3/4	
4	75,011	4	60,010	4	45,015	4	30,013	4	15,046	4	1,568	4		4		4		4	
1/4	74,698	1/4	59,698	1/4	44,702	1/4	29,701	1/4	14,741	1/4	1,329	1/4		1/4		1/4		1/4	
1/2	74,386	1/2	59,386	1/2	44,390	1/2	29,388	1/2	14,437	1/2	1,091	1/2		1/2		1/2		1/2	
3/4	74,073	3/4	59,073	3/4	44,077	3/4	29,076	3/4	14,136	3/4	914	3/4		3/4		3/4		3/4	
5	73,761	5	58,761	5	43,764	5	28,763	5	13,835	5	738	5		5		5		5	
1/4	73,448	1/4	58,449	1/4	43,452	1/4	28,450	1/4	13,534	1/4	561	1/4		1/4		1/4		1/4	
1/2	73,136	1/2	58,136	1/2	43,139	1/2	28,138	1/2	13,233	1/2	385	1/2		1/2		1/2		1/2	
3/4	72,823	3/4	57,824	3/4	42,827	3/4	27,825	3/4	12,935	3/4		3/4		3/4		3/4		3/4	
6	72,511	6	57,512	6	42,514	6	27,513	6	12,638	6		6		6		6		6	
1/4	72,198	1/4	57,200	1/4	42,202	1/4	27,200	1/4	12,341	1/4		1/4		1/4		1/4		1/4	
1/2	71,885	1/2	56,887	1/2	41,889	1/2	26,888	1/2	12,044	1/2		1/2		1/2		1/2		1/2	
3/4	71,573	3/4	56,575	3/4	41,577	3/4	26,575	3/4	11,751	3/4		3/4		3/4		3/4		3/4	
7	71,260	7	56,263	7	41,264	7	26,263	7	11,457	7		7		7		7		7	
1/4	70,948	1/4	55,950	1/4	40,952	1/4	25,950	1/4	11,164	1/4		1/4		1/4		1/4		1/4	
1/2	70,635	1/2	55,638	1/2	40,639	1/2	25,638	1/2	10,871	1/2		1/2		1/2		1/2		1/2	
3/4	70,323	3/4	55,326	3/4	40,327	3/4	25,325	3/4	10,581	3/4		3/4		3/4		3/4		3/4	
8	70,010	8	55,013	8	40,014	8	25,013	8	10,292	8		8		8		8		8	
1/4	69,698	1/4	54,701	1/4	39,702	1/4	24,700	1/4	10,003	1/4		1/4		1/4		1/4		1/4	
1/2	69,385	1/2	54,389	1/2	39,389	1/2	24,388	1/2	9,713	1/2		1/2		1/2		1/2		1/2	
3/4	69,073	3/4	54,076	3/4	39,076	3/4	24,075	3/4	9,428	3/4		3/4		3/4		3/4		3/4	
9	68,760	9	53,764	9	38,764	9	23,762	9	9,142	9		9		9		9		9	
1/4	68,448	1/4	53,452	1/4	38,451	1/4	23,450	1/4	8,856	1/4		1/4		1/4		1/4		1/4	
1/2	68,135	1/2	53,139	1/2	38,139	1/2	23,137	1/2	8,571	1/2		1/2		1/2		1/2		1/2	
3/4	67,822	3/4	52,827	3/4	37,826	3/4	22,825	3/4	8,289	3/4		3/4		3/4		3/4		3/4	
10	67,510	10	52,515	10	37,514	10	22,512	10	8,007	10		10		10		10		10	
1/4	67,197	1/4	52,202	1/4	37,201	1/4	22,200	1/4	7,725	1/4		1/4		1/4		1/4		1/4	
1/2	66,885	1/2	51,890	1/2	36,889	1/2	21,887	1/2	7,444	1/2		1/2		1/2		1/2		1/2	
3/4	66,572	3/4	51,578	3/4	36,576	3/4	21,575	3/4	7,166	3/4		3/4		3/4		3/4		3/4	
11	66,260	11	51,265	11	36,264	11	21,262	11	6,888	11		11		11		11		11	
1/4	65,947	1/4	50,953	1/4	35,951	1/4	20,950	1/4	6,610	1/4		1/4		1/4		1/4		1/4	
1/2	65,635	1/2	50,640	1/2	35,639	1/2	20,637	1/2	6,332	1/2		1/2		1/2		1/2		1/2	
3/4	65,322	3/4	50,328	3/4	35,326	3/4	20,325	3/4	6,058	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 3006"

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

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 3006"

2 PORT 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	81,334	0	66,277	0	51,750	0	37,293	0	22,274	0	7,218	0		0		0		0	
1/4	81,021	1/4	65,964	1/4	51,448	1/4	36,991	1/4	21,960	1/4	6,904	1/4		1/4		1/4		1/4	
1/2	80,707	1/2	65,656	1/2	51,146	1/2	36,683	1/2	21,647	1/2	6,590	1/2		1/2		1/2		1/2	
3/4	80,393	3/4	65,348	3/4	50,845	3/4	36,375	3/4	21,333	3/4	6,277	3/4		3/4		3/4		3/4	
1	80,080	1	65,040	1	50,543	1	36,068	1	21,019	1	5,963	1		1		1		1	
1/4	79,766	1/4	64,733	1/4	50,241	1/4	35,760	1/4	20,706	1/4	5,649	1/4		1/4		1/4		1/4	
1/2	79,452	1/2	64,431	1/2	49,940	1/2	35,446	1/2	20,392	1/2	5,336	1/2		1/2		1/2		1/2	
3/4	79,139	3/4	64,129	3/4	49,639	3/4	35,132	3/4	20,078	3/4	5,022	3/4		3/4		3/4		3/4	
2	78,825	2	63,827	2	49,338	2	34,819	2	19,765	2	4,709	2		2		2		2	
1/4	78,511	1/4	63,525	1/4	49,037	1/4	34,505	1/4	19,451	1/4	4,396	1/4		1/4		1/4		1/4	
1/2	78,197	1/2	63,223	1/2	48,735	1/2	34,191	1/2	19,137	1/2	4,083	1/2		1/2		1/2		1/2	
3/4	77,884	3/4	62,921	3/4	48,434	3/4	33,878	3/4	18,824	3/4	3,770	3/4		3/4		3/4		3/4	
3	77,570	3	62,619	3	48,133	3	33,564	3	18,510	3	3,458	3		3		3		3	
1/4	77,256	1/4	62,317	1/4	47,832	1/4	33,250	1/4	18,196	1/4	3,145	1/4		1/4		1/4		1/4	
1/2	76,943	1/2	62,015	1/2	47,531	1/2	32,937	1/2	17,883	1/2	2,852	1/2		1/2		1/2		1/2	
3/4	76,629	3/4	61,713	3/4	47,230	3/4	32,623	3/4	17,569	3/4	2,558	3/4		3/4		3/4		3/4	
4	76,315	4	61,411	4	46,929	4	32,309	4	17,255	4	2,265	4		4		4		4	
1/4	76,002	1/4	61,109	1/4	46,628	1/4	31,996	1/4	16,942	1/4	1,972	1/4		1/4		1/4		1/4	
1/2	75,688	1/2	60,807	1/2	46,327	1/2	31,682	1/2	16,628	1/2	1,736	1/2		1/2		1/2		1/2	
3/4	75,374	3/4	60,506	3/4	46,026	3/4	31,368	3/4	16,314	3/4	1,501	3/4		3/4		3/4		3/4	
5	75,061	5	60,204	5	45,725	5	31,055	5	16,001	5	1,266	5		5		5		5	
1/4	74,747	1/4	59,902	1/4	45,424	1/4	30,741	1/4	15,687	1/4	1,031	1/4		1/4		1/4		1/4	
1/2	74,433	1/2	59,600	1/2	45,123	1/2	30,427	1/2	15,373	1/2		1/2		1/2		1/2		1/2	
3/4	74,120	3/4	59,298	3/4	44,822	3/4	30,114	3/4	15,059	3/4		3/4		3/4		3/4		3/4	
6	73,806	6	58,996	6	44,521	6	29,800	6	14,746	6		6		6		6		6	
1/4	73,492	1/4	58,694	1/4	44,220	1/4	29,487	1/4	14,432	1/4		1/4		1/4		1/4		1/4	
1/2	73,179	1/2	58,392	1/2	43,919	1/2	29,173	1/2	14,118	1/2		1/2		1/2		1/2		1/2	
3/4	72,865	3/4	58,090	3/4	43,618	3/4	28,860	3/4	13,805	3/4		3/4		3/4		3/4		3/4	
7	72,551	7	57,788	7	43,317	7	28,546	7	13,491	7		7		7		7		7	
1/4	72,237	1/4	57,486	1/4	43,016	1/4	28,233	1/4	13,177	1/4		1/4		1/4		1/4		1/4	
1/2	71,924	1/2	57,184	1/2	42,715	1/2	27,919	1/2	12,864	1/2		1/2		1/2		1/2		1/2	
3/4	71,610	3/4	56,882	3/4	42,414	3/4	27,606	3/4	12,550	3/4		3/4		3/4		3/4		3/4	
8	71,296	8	56,581	8	42,113	8	27,292	8	12,236	8		8		8		8		8	
1/4	70,983	1/4	56,279	1/4	41,812	1/4	26,979	1/4	11,923	1/4		1/4		1/4		1/4		1/4	
1/2	70,669	1/2	55,977	1/2	41,511	1/2	26,665	1/2	11,609	1/2		1/2		1/2		1/2		1/2	
3/4	70,355	3/4	55,675	3/4	41,210	3/4	26,352	3/4	11,295	3/4		3/4		3/4		3/4		3/4	
9	70,042	9	55,373	9	40,909	9	26,038	9	10,982	9		9		9		9		9	
1/4	69,728	1/4	55,071	1/4	40,608	1/4	25,724	1/4	10,668	1/4		1/4		1/4		1/4		1/4	
1/2	69,414	1/2	54,769	1/2	40,307	1/2	25,411	1/2	10,354	1/2		1/2		1/2		1/2		1/2	
3/4	69,101	3/4	54,467	3/4	40,006	3/4	25,097	3/4	10,041	3/4		3/4		3/4		3/4		3/4	
10	68,787	10	54,165	10	39,705	10	24,783	10	9,727	10		10		10		10		10	
1/4	68,473	1/4	53,863	1/4	39,404	1/4	24,470	1/4	9,413	1/4		1/4		1/4		1/4		1/4	
1/2	68,160	1/2	53,561	1/2	39,103	1/2	24,156	1/2	9,100	1/2		1/2		1/2		1/2		1/2	
3/4	67,846	3/4	53,259	3/4	38,802	3/4	23,842	3/4	8,786	3/4		3/4		3/4		3/4		3/4	
11	67,532	11	52,957	11	38,500	11	23,529	11	8,472	11		11		11		11		11	
1/4	67,218	1/4	52,655	1/4	38,199	1/4	23,215	1/4	8,159	1/4		1/4		1/4		1/4		1/4	
1/2	66,905	1/2	52,354	1/2	37,897	1/2	22,901	1/2	7,845	1/2		1/2		1/2		1/2		1/2	
3/4	66,591	3/4	52,052	3/4	37,595	3/4	22,588	3/4	7,531	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 3006"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/4"

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

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 3006"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	82,504	0	67,440	0	52,376	0	37,347	0	22,285	0	7,221	0		0		0		0	
1/4	82,191	1/4	67,126	1/4	52,062	1/4	37,033	1/4	21,971	1/4	6,907	1/4		1/4		1/4		1/4	
1/2	81,877	1/2	66,813	1/2	51,749	1/2	36,720	1/2	21,658	1/2	6,594	1/2		1/2		1/2		1/2	
3/4	81,563	3/4	66,499	3/4	51,435	3/4	36,406	3/4	21,344	3/4	6,280	3/4		3/4		3/4		3/4	
1	81,249	1	66,185	1	51,122	1	36,092	1	21,030	1	5,966	1		1		1		1	
1/4	80,935	1/4	65,871	1/4	50,808	1/4	35,778	1/4	20,716	1/4	5,652	1/4		1/4		1/4		1/4	
1/2	80,621	1/2	65,557	1/2	50,495	1/2	35,464	1/2	20,402	1/2	5,338	1/2		1/2		1/2		1/2	
3/4	80,308	3/4	65,243	3/4	50,182	3/4	35,150	3/4	20,088	3/4	5,025	3/4		3/4		3/4		3/4	
2	79,994	2	64,930	2	49,869	2	34,837	2	19,775	2	4,711	2		2		2		2	
1/4	79,680	1/4	64,616	1/4	49,556	1/4	34,523	1/4	19,461	1/4	4,398	1/4		1/4		1/4		1/4	
1/2	79,366	1/2	64,302	1/2	49,243	1/2	34,209	1/2	19,147	1/2	4,085	1/2		1/2		1/2		1/2	
3/4	79,052	3/4	63,988	3/4	48,930	3/4	33,895	3/4	18,833	3/4	3,772	3/4		3/4		3/4		3/4	
3	78,738	3	63,674	3	48,617	3	33,581	3	18,519	3	3,459	3		3		3		3	
1/4	78,425	1/4	63,360	1/4	48,304	1/4	33,267	1/4	18,205	1/4	3,146	1/4		1/4		1/4		1/4	
1/2	78,111	1/2	63,047	1/2	47,991	1/2	32,953	1/2	17,892	1/2	2,833	1/2		1/2		1/2		1/2	
3/4	77,797	3/4	62,733	3/4	47,678	3/4	32,640	3/4	17,578	3/4	2,519	3/4		3/4		3/4		3/4	
4	77,483	4	62,419	4	47,365	4	32,326	4	17,264	4	2,206	4		4		4		4	
1/4	77,169	1/4	62,105	1/4	47,052	1/4	32,012	1/4	16,950	1/4	1,893	1/4		1/4		1/4		1/4	
1/2	76,855	1/2	61,791	1/2	46,739	1/2	31,698	1/2	16,636	1/2	1,579	1/2		1/2		1/2		1/2	
3/4	76,542	3/4	61,477	3/4	46,426	3/4	31,384	3/4	16,322	3/4	1,265	3/4		3/4		3/4		3/4	
5	76,228	5	61,163	5	46,113	5	31,070	5	16,009	5	1,267	5		5		5		5	
1/4	75,914	1/4	60,850	1/4	45,800	1/4	30,757	1/4	15,695	1/4	1,032	1/4		1/4		1/4		1/4	
1/2	75,600	1/2	60,536	1/2	45,487	1/2	30,443	1/2	15,381	1/2		1/2		1/2		1/2		1/2	
3/4	75,286	3/4	60,222	3/4	45,175	3/4	30,129	3/4	15,067	3/4		3/4		3/4		3/4		3/4	
6	74,972	6	59,908	6	44,862	6	29,815	6	14,753	6		6		6		6		6	
1/4	74,659	1/4	59,594	1/4	44,549	1/4	29,502	1/4	14,439	1/4		1/4		1/4		1/4		1/4	
1/2	74,345	1/2	59,280	1/2	44,236	1/2	29,188	1/2	14,126	1/2		1/2		1/2		1/2		1/2	
3/4	74,031	3/4	58,967	3/4	43,923	3/4	28,874	3/4	13,812	3/4		3/4		3/4		3/4		3/4	
7	73,717	7	58,653	7	43,610	7	28,561	7	13,498	7		7		7		7		7	
1/4	73,403	1/4	58,339	1/4	43,297	1/4	28,247	1/4	13,184	1/4		1/4		1/4		1/4		1/4	
1/2	73,089	1/2	58,025	1/2	42,984	1/2	27,933	1/2	12,870	1/2		1/2		1/2		1/2		1/2	
3/4	72,775	3/4	57,711	3/4	42,671	3/4	27,620	3/4	12,556	3/4		3/4		3/4		3/4		3/4	
8	72,462	8	57,397	8	42,358	8	27,306	8	12,243	8		8		8		8		8	
1/4	72,148	1/4	57,084	1/4	42,045	1/4	26,993	1/4	11,929	1/4		1/4		1/4		1/4		1/4	
1/2	71,834	1/2	56,770	1/2	41,733	1/2	26,679	1/2	11,615	1/2		1/2		1/2		1/2		1/2	
3/4	71,520	3/4	56,456	3/4	41,420	3/4	26,365	3/4	11,301	3/4		3/4		3/4		3/4		3/4	
9	71,206	9	56,142	9	41,107	9	26,051	9	10,987	9		9		9		9		9	
1/4	70,892	1/4	55,828	1/4	40,794	1/4	25,738	1/4	10,673	1/4		1/4		1/4		1/4		1/4	
1/2	70,579	1/2	55,514	1/2	40,481	1/2	25,424	1/2	10,360	1/2		1/2		1/2		1/2		1/2	
3/4	70,265	3/4	55,201	3/4	40,168	3/4	25,110	3/4	10,046	3/4		3/4		3/4		3/4		3/4	
10	69,951	10	54,887	10	39,855	10	24,796	10	9,732	10		10		10		10		10	
1/4	69,637	1/4	54,573	1/4	39,542	1/4	24,482	1/4	9,418	1/4		1/4		1/4		1/4		1/4	
1/2	69,323	1/2	54,259	1/2	39,229	1/2	24,168	1/2	9,104	1/2		1/2		1/2		1/2		1/2	
3/4	69,009	3/4	53,945	3/4	38,915	3/4	23,855	3/4	8,790	3/4		3/4		3/4		3/4		3/4	
11	68,696	11	53,631	11	38,602	11	23,541	11	8,477	11		11		11		11		11	
1/4	68,382	1/4	53,318	1/4	38,289	1/4	23,227	1/4	8,163	1/4		1/4		1/4		1/4		1/4	
1/2	68,068	1/2	53,004	1/2	37,975	1/2	22,913	1/2	7,849	1/2		1/2		1/2		1/2		1/2	
3/4	67,754	3/4	52,690	3/4	37,661	3/4	22,599	3/4	7,535	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 3006"

3 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	183,832	0	173,514	0	163,182	0	152,828	0	140,778	0	125,833	0	110,888	0	95,929
1/4		1/4		1/4	183,617	1/4	173,299	1/4	162,967	1/4	152,612	1/4	140,466	1/4	125,521	1/4	110,576	1/4	95,617
1/2		1/2		1/2	183,402	1/2	173,084	1/2	162,751	1/2	152,396	1/2	140,155	1/2	125,210	1/2	110,265	1/2	95,306
3/4		3/4		3/4	183,187	3/4	172,869	3/4	162,535	3/4	152,181	3/4	139,844	3/4	124,899	3/4	109,954	3/4	94,994
1		1		1	182,972	1	172,654	1	162,319	1	151,965	1	139,533	1	124,587	1	109,642	1	94,683
1/4		1/4		1/4	182,757	1/4	172,439	1/4	162,104	1/4	151,749	1/4	139,221	1/4	124,276	1/4	109,331	1/4	94,371
1/2		1/2		1/2	182,542	1/2	172,224	1/2	161,888	1/2	151,534	1/2	138,910	1/2	123,965	1/2	109,019	1/2	94,060
3/4		3/4		3/4	182,327	3/4	172,009	3/4	161,672	3/4	151,318	3/4	138,599	3/4	123,653	3/4	108,708	3/4	93,748
2		2	191,739	2	182,112	2	171,794	2	161,457	2	151,102	2	138,287	2	123,342	2	108,397	2	93,437
1/4		1/4	191,616	1/4	181,897	1/4	171,579	1/4	161,241	1/4	150,886	1/4	137,976	1/4	123,031	1/4	108,085	1/4	93,125
1/2		1/2	191,492	1/2	181,682	1/2	171,364	1/2	161,025	1/2	150,671	1/2	137,664	1/2	122,719	1/2	107,774	1/2	92,814
3/4		3/4	191,369	3/4	181,467	3/4	171,149	3/4	160,809	3/4	150,455	3/4	137,353	3/4	122,408	3/4	107,462	3/4	92,502
3		3	191,245	3	181,252	3	170,934	3	160,594	3	150,239	3	137,042	3	122,097	3	107,151	3	92,191
1/4		1/4	191,086	1/4	181,037	1/4	170,719	1/4	160,378	1/4	150,024	1/4	136,730	1/4	121,785	1/4	106,839	1/4	91,879
1/2		1/2	190,926	1/2	180,822	1/2	170,504	1/2	160,162	1/2	149,808	1/2	136,419	1/2	121,474	1/2	106,527	1/2	91,568
3/4		3/4	190,767	3/4	180,607	3/4	170,290	3/4	159,947	3/4	149,592	3/4	136,108	3/4	121,162	3/4	106,216	3/4	91,256
4		4	190,607	4	180,392	4	170,075	4	159,731	4	149,376	4	135,796	4	120,851	4	105,904	4	90,945
1/4		1/4	190,415	1/4	180,178	1/4	169,860	1/4	159,515	1/4	149,157	1/4	135,485	1/4	120,540	1/4	105,592	1/4	90,633
1/2		1/2	190,222	1/2	179,963	1/2	169,645	1/2	159,299	1/2	148,938	1/2	135,174	1/2	120,228	1/2	105,281	1/2	90,321
3/4		3/4	190,029	3/4	179,748	3/4	169,430	3/4	159,084	3/4	148,719	3/4	134,862	3/4	119,917	3/4	104,969	3/4	90,010
5		5	189,836	5	179,533	5	169,215	5	158,868	5	148,500	5	134,551	5	119,606	5	104,657	5	89,698
1/4		1/4	189,625	1/4	179,318	1/4	169,000	1/4	158,652	1/4	148,269	1/4	134,240	1/4	119,294	1/4	104,345	1/4	89,387
1/2		1/2	189,413	1/2	179,103	1/2	168,785	1/2	158,437	1/2	148,038	1/2	133,928	1/2	118,983	1/2	104,034	1/2	89,075
3/4		3/4	189,202	3/4	178,888	3/4	168,570	3/4	158,221	3/4	147,807	3/4	133,617	3/4	118,672	3/4	103,722	3/4	88,764
6		6	188,991	6	178,673	6	168,355	6	158,005	6	147,576	6	133,305	6	118,360	6	103,410	6	88,452
1/4		1/4	188,776	1/4	178,458	1/4	168,140	1/4	157,789	1/4	147,329	1/4	132,994	1/4	118,049	1/4	103,098	1/4	88,141
1/2		1/2	188,561	1/2	178,243	1/2	167,925	1/2	157,574	1/2	147,083	1/2	132,683	1/2	117,738	1/2	102,786	1/2	87,829
3/4		3/4	188,347	3/4	178,028	3/4	167,710	3/4	157,358	3/4	146,836	3/4	132,371	3/4	117,426	3/4	102,475	3/4	87,517
7		7	188,132	7	177,813	7	167,495	7	157,142	7	146,589	7	132,060	7	117,115	7	102,163	7	87,206
1/4		1/4	187,917	1/4	177,598	1/4	167,280	1/4	156,927	1/4	146,326	1/4	131,749	1/4	116,803	1/4	101,851	1/4	86,894
1/2		1/2	187,702	1/2	177,383	1/2	167,064	1/2	156,711	1/2	146,064	1/2	131,437	1/2	116,492	1/2	101,539	1/2	86,582
3/4		3/4	187,487	3/4	177,168	3/4	166,849	3/4	156,495	3/4	145,801	3/4	131,126	3/4	116,181	3/4	101,228	3/4	86,270
8		8	187,272	8	176,953	8	166,634	8	156,279	8	145,539	8	130,815	8	115,869	8	100,916	8	85,958
1/4		1/4	187,057	1/4	176,738	1/4	166,418	1/4	156,064	1/4	145,260	1/4	130,503	1/4	115,558	1/4	100,604	1/4	85,646
1/2		1/2	186,842	1/2	176,523	1/2	166,202	1/2	155,848	1/2	144,982	1/2	130,192	1/2	115,247	1/2	100,292	1/2	85,335
3/4		3/4	186,627	3/4	176,308	3/4	165,987	3/4	155,632	3/4	144,704	3/4	129,881	3/4	114,935	3/4	99,980	3/4	85,023
9		9	186,411	9	176,093	9	165,771	9	155,416	9	144,426	9	129,569	9	114,624	9	99,669	9	84,711
1/4		1/4	186,196	1/4	175,878	1/4	165,555	1/4	155,201	1/4	144,131	1/4	129,258	1/4	114,313	1/4	99,357	1/4	84,399
1/2		1/2	185,981	1/2	175,663	1/2	165,339	1/2	154,985	1/2	143,837	1/2	128,946	1/2	114,001	1/2	99,045	1/2	84,087
3/4		3/4	185,766	3/4	175,448	3/4	165,124	3/4	154,769	3/4	143,543	3/4	128,635	3/4	113,690	3/4	98,733	3/4	83,775
10		10	185,551	10	175,234	10	164,908	10	154,554	10	143,249	10	128,324	10	113,378	10	98,422	10	83,464
1/4		1/4	185,336	1/4	175,019	1/4	164,692	1/4	154,338	1/4	142,942	1/4	128,012	1/4	113,067	1/4	98,110	1/4	83,152
1/2		1/2	185,122	1/2	174,804	1/2	164,477	1/2	154,122	1/2	142,635	1/2	127,701	1/2	112,756	1/2	97,798	1/2	82,840
3/4		3/4	184,907	3/4	174,589	3/4	164,261	3/4	153,906	3/4	142,329	3/4	127,390	3/4	112,444	3/4	97,487	3/4	82,528
11		11	184,692	11	174,374	11	164,045	11	153,691	11	142,022	11	127,078	11	112,133	11	97,175	11	82,216
1/4		1/4	184,477	1/4	174,159	1/4	163,829	1/4	153,475	1/4	141,711	1/4	126,767	1/4	111,822	1/4	96,863	1/4	81,904
1/2		1/2	184,262	1/2	173,944	1/2	163,614	1/2	153,259	1/2	141,400	1/2	126,456	1/2	111,510	1/2	96,552	1/2	81,593
3/4		3/4	184,047	3/4	173,729	3/4	163,398	3/4	153,044	3/4	141,089	3/4	126,144	3/4	111,199	3/4	96,240	3/4	81,281

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 3006"

3 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	80,969	0	66,075	0	51,359	0	36,801	0	21,851	0	6,874	0		0		0		0	
1/4	80,657	1/4	65,765	1/4	51,057	1/4	36,494	1/4	21,539	1/4	6,562	1/4		1/4		1/4		1/4	
1/2	80,345	1/2	65,455	1/2	50,755	1/2	36,186	1/2	21,227	1/2	6,250	1/2		1/2		1/2		1/2	
3/4	80,033	3/4	65,146	3/4	50,453	3/4	35,878	3/4	20,915	3/4	5,938	3/4		3/4		3/4		3/4	
1	79,722	1	64,836	1	50,151	1	35,570	1	20,603	1	5,626	1		1		1		1	
1/4	79,410	1/4	64,526	1/4	49,849	1/4	35,259	1/4	20,291	1/4	5,314	1/4		1/4		1/4		1/4	
1/2	79,098	1/2	64,216	1/2	49,547	1/2	34,948	1/2	19,979	1/2	5,002	1/2		1/2		1/2		1/2	
3/4	78,786	3/4	63,906	3/4	49,245	3/4	34,636	3/4	19,668	3/4	4,690	3/4		3/4		3/4		3/4	
2	78,474	2	63,596	2	48,943	2	34,325	2	19,356	2	4,378	2		2		2		2	
1/4	78,163	1/4	63,285	1/4	48,641	1/4	34,013	1/4	19,044	1/4	4,066	1/4		1/4		1/4		1/4	
1/2	77,852	1/2	62,975	1/2	48,339	1/2	33,701	1/2	18,732	1/2	3,755	1/2		1/2		1/2		1/2	
3/4	77,542	3/4	62,664	3/4	48,037	3/4	33,389	3/4	18,420	3/4	3,444	3/4		3/4		3/4		3/4	
3	77,231	3	62,353	3	47,735	3	33,077	3	18,108	3	3,132	3		3		3		3	
1/4	76,921	1/4	62,042	1/4	47,433	1/4	32,765	1/4	17,796	1/4	2,840	1/4		1/4		1/4		1/4	
1/2	76,611	1/2	61,730	1/2	47,131	1/2	32,453	1/2	17,484	1/2	2,548	1/2		1/2		1/2		1/2	
3/4	76,301	3/4	61,419	3/4	46,830	3/4	32,142	3/4	17,172	3/4	2,256	3/4		3/4		3/4		3/4	
4	75,991	4	61,107	4	46,528	4	31,830	4	16,860	4	1,964	4		4		4		4	
1/4	75,681	1/4	60,796	1/4	46,227	1/4	31,518	1/4	16,549	1/4	1,730	1/4		1/4		1/4		1/4	
1/2	75,371	1/2	60,484	1/2	45,926	1/2	31,206	1/2	16,237	1/2	1,495	1/2		1/2		1/2		1/2	
3/4	75,062	3/4	60,173	3/4	45,624	3/4	30,894	3/4	15,925	3/4	1,261	3/4		3/4		3/4		3/4	
5	74,752	5	59,861	5	45,323	5	30,582	5	15,613	5	1,027	5		5		5		5	
1/4	74,442	1/4	59,553	1/4	45,020	1/4	30,270	1/4	15,301	1/4		1/4		1/4		1/4		1/4	
1/2	74,132	1/2	59,244	1/2	44,717	1/2	29,958	1/2	14,989	1/2		1/2		1/2		1/2		1/2	
3/4	73,822	3/4	58,936	3/4	44,414	3/4	29,647	3/4	14,677	3/4		3/4		3/4		3/4		3/4	
6	73,512	6	58,628	6	44,111	6	29,335	6	14,365	6		6		6		6		6	
1/4	73,202	1/4	58,322	1/4	43,807	1/4	29,023	1/4	14,053	1/4		1/4		1/4		1/4		1/4	
1/2	72,892	1/2	58,017	1/2	43,502	1/2	28,711	1/2	13,741	1/2		1/2		1/2		1/2		1/2	
3/4	72,583	3/4	57,712	3/4	43,198	3/4	28,400	3/4	13,430	3/4		3/4		3/4		3/4		3/4	
7	72,273	7	57,407	7	42,893	7	28,088	7	13,118	7		7		7		7		7	
1/4	71,963	1/4	57,103	1/4	42,588	1/4	27,776	1/4	12,806	1/4		1/4		1/4		1/4		1/4	
1/2	71,653	1/2	56,799	1/2	42,284	1/2	27,464	1/2	12,494	1/2		1/2		1/2		1/2		1/2	
3/4	71,343	3/4	56,496	3/4	41,979	3/4	27,153	3/4	12,182	3/4		3/4		3/4		3/4		3/4	
8	71,033	8	56,192	8	41,675	8	26,841	8	11,870	8		8		8		8		8	
1/4	70,723	1/4	55,890	1/4	41,370	1/4	26,529	1/4	11,558	1/4		1/4		1/4		1/4		1/4	
1/2	70,413	1/2	55,588	1/2	41,066	1/2	26,217	1/2	11,246	1/2		1/2		1/2		1/2		1/2	
3/4	70,104	3/4	55,286	3/4	40,761	3/4	25,906	3/4	10,934	3/4		3/4		3/4		3/4		3/4	
9	69,794	9	54,984	9	40,456	9	25,594	9	10,621	9		9		9		9		9	
1/4	69,484	1/4	54,682	1/4	40,152	1/4	25,282	1/4	10,309	1/4		1/4		1/4		1/4		1/4	
1/2	69,174	1/2	54,380	1/2	39,847	1/2	24,970	1/2	9,997	1/2		1/2		1/2		1/2		1/2	
3/4	68,864	3/4	54,078	3/4	39,543	3/4	24,658	3/4	9,684	3/4		3/4		3/4		3/4		3/4	
10	68,554	10	53,776	10	39,238	10	24,346	10	9,372	10		10		10		10		10	
1/4	68,244	1/4	53,474	1/4	38,933	1/4	24,034	1/4	9,060	1/4		1/4		1/4		1/4		1/4	
1/2	67,934	1/2	53,172	1/2	38,629	1/2	23,722	1/2	8,747	1/2		1/2		1/2		1/2		1/2	
3/4	67,625	3/4	52,870	3/4	38,324	3/4	23,410	3/4	8,435	3/4		3/4		3/4		3/4		3/4	
11	67,315	11	52,568	11	38,020	11	23,098	11	8,123	11		11		11		11		11	
1/4	67,005	1/4	52,265	1/4	37,715	1/4	22,787	1/4	7,811	1/4		1/4		1/4		1/4		1/4	
1/2	66,695	1/2	51,963	1/2	37,411	1/2	22,475	1/2	7,499	1/2		1/2		1/2		1/2		1/2	
3/4	66,385	3/4	51,661	3/4	37,106	3/4	22,163	3/4	7,186	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 3006"

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	184,805	0	174,491	0	164,162	0	153,811	0	141,751	0	126,778	0	111,805	0	96,817
1/4		1/4		1/4	184,590	1/4	174,276	1/4	163,946	1/4	153,595	1/4	141,440	1/4	126,466	1/4	111,493	1/4	96,504
1/2		1/2		1/2	184,375	1/2	174,061	1/2	163,731	1/2	153,380	1/2	141,128	1/2	126,154	1/2	111,181	1/2	96,192
3/4		3/4		3/4	184,161	3/4	173,846	3/4	163,515	3/4	153,164	3/4	140,816	3/4	125,843	3/4	110,869	3/4	95,879
1		1		1	183,946	1	173,631	1	163,300	1	152,948	1	140,504	1	125,531	1	110,557	1	95,567
1/4		1/4		1/4	183,731	1/4	173,416	1/4	163,084	1/4	152,733	1/4	140,192	1/4	125,219	1/4	110,245	1/4	95,255
1/2		1/2		1/2	183,516	1/2	173,201	1/2	162,868	1/2	152,517	1/2	139,880	1/2	124,907	1/2	109,933	1/2	94,942
3/4		3/4		3/4	183,301	3/4	172,986	3/4	162,653	3/4	152,301	3/4	139,568	3/4	124,595	3/4	109,621	3/4	94,630
2		2	192,710	2	183,086	2	172,771	2	162,437	2	152,086	2	139,256	2	124,283	2	109,309	2	94,318
1/4		1/4	192,587	1/4	182,871	1/4	172,557	1/4	162,221	1/4	151,870	1/4	138,944	1/4	123,971	1/4	108,997	1/4	94,005
1/2		1/2	192,463	1/2	182,656	1/2	172,342	1/2	162,006	1/2	151,654	1/2	138,632	1/2	123,659	1/2	108,685	1/2	93,693
3/4		3/4	192,340	3/4	182,441	3/4	172,127	3/4	161,790	3/4	151,439	3/4	138,320	3/4	123,347	3/4	108,373	3/4	93,381
3		3	192,216	3	182,227	3	171,912	3	161,574	3	151,223	3	138,008	3	123,035	3	108,061	3	93,068
1/4		1/4	192,057	1/4	182,012	1/4	171,697	1/4	161,359	1/4	151,008	1/4	137,696	1/4	122,723	1/4	107,749	1/4	92,756
1/2		1/2	191,897	1/2	181,797	1/2	171,482	1/2	161,143	1/2	150,792	1/2	137,385	1/2	122,411	1/2	107,437	1/2	92,443
3/4		3/4	191,738	3/4	181,582	3/4	171,267	3/4	160,927	3/4	150,576	3/4	137,073	3/4	122,099	3/4	107,124	3/4	92,131
4		4	191,579	4	181,367	4	171,052	4	160,712	4	150,361	4	136,761	4	121,787	4	106,812	4	91,819
1/4		1/4	191,386	1/4	181,152	1/4	170,837	1/4	160,496	1/4	150,141	1/4	136,449	1/4	121,475	1/4	106,500	1/4	91,506
1/2		1/2	191,193	1/2	180,937	1/2	170,622	1/2	160,280	1/2	149,922	1/2	136,137	1/2	121,163	1/2	106,187	1/2	91,194
3/4		3/4	191,000	3/4	180,722	3/4	170,408	3/4	160,065	3/4	149,703	3/4	135,825	3/4	120,851	3/4	105,875	3/4	90,882
5		5	190,808	5	180,507	5	170,193	5	159,849	5	149,484	5	135,513	5	120,539	5	105,563	5	90,569
1/4		1/4	190,596	1/4	180,293	1/4	169,978	1/4	159,633	1/4	149,253	1/4	135,201	1/4	120,228	1/4	105,250	1/4	90,257
1/2		1/2	190,385	1/2	180,078	1/2	169,763	1/2	159,418	1/2	149,022	1/2	134,889	1/2	119,916	1/2	104,938	1/2	89,945
3/4		3/4	190,174	3/4	179,863	3/4	169,548	3/4	159,202	3/4	148,791	3/4	134,577	3/4	119,604	3/4	104,626	3/4	89,632
6		6	189,963	6	179,648	6	169,333	6	158,987	6	148,561	6	134,265	6	119,292	6	104,313	6	89,320
1/4		1/4	189,748	1/4	179,433	1/4	169,118	1/4	158,771	1/4	148,314	1/4	133,953	1/4	118,980	1/4	104,001	1/4	89,007
1/2		1/2	189,533	1/2	179,218	1/2	168,903	1/2	158,555	1/2	148,067	1/2	133,641	1/2	118,668	1/2	103,688	1/2	88,695
3/4		3/4	189,319	3/4	179,003	3/4	168,688	3/4	158,340	3/4	147,820	3/4	133,329	3/4	118,356	3/4	103,376	3/4	88,383
7		7	189,104	7	178,788	7	168,474	7	158,124	7	147,573	7	133,017	7	118,044	7	103,064	7	88,070
1/4		1/4	188,889	1/4	178,573	1/4	168,258	1/4	157,908	1/4	147,310	1/4	132,705	1/4	117,732	1/4	102,751	1/4	87,758
1/2		1/2	188,674	1/2	178,359	1/2	168,043	1/2	157,693	1/2	147,047	1/2	132,393	1/2	117,420	1/2	102,439	1/2	87,446
3/4		3/4	188,459	3/4	178,144	3/4	167,828	3/4	157,477	3/4	146,784	3/4	132,081	3/4	117,108	3/4	102,127	3/4	87,133
8		8	188,244	8	177,929	8	167,613	8	157,261	8	146,522	8	131,769	8	116,796	8	101,814	8	86,821
1/4		1/4	188,029	1/4	177,714	1/4	167,397	1/4	157,046	1/4	146,243	1/4	131,458	1/4	116,484	1/4	101,502	1/4	86,509
1/2		1/2	187,814	1/2	177,499	1/2	167,181	1/2	156,830	1/2	145,964	1/2	131,146	1/2	116,172	1/2	101,190	1/2	86,196
3/4		3/4	187,599	3/4	177,284	3/4	166,966	3/4	156,614	3/4	145,685	3/4	130,834	3/4	115,860	3/4	100,877	3/4	85,884
9		9	187,384	9	177,069	9	166,750	9	156,399	9	145,406	9	130,522	9	115,548	9	100,565	9	85,572
1/4		1/4	187,169	1/4	176,854	1/4	166,534	1/4	156,183	1/4	145,112	1/4	130,210	1/4	115,236	1/4	100,253	1/4	85,259
1/2		1/2	186,954	1/2	176,639	1/2	166,319	1/2	155,967	1/2	144,817	1/2	129,898	1/2	114,924	1/2	99,940	1/2	84,947
3/4		3/4	186,739	3/4	176,425	3/4	166,103	3/4	155,752	3/4	144,522	3/4	129,586	3/4	114,612	3/4	99,628	3/4	84,634
10		10	186,524	10	176,210	10	165,887	10	155,536	10	144,227	10	129,274	10	114,301	10	99,315	10	84,322
1/4		1/4	186,309	1/4	175,995	1/4	165,672	1/4	155,321	1/4	143,920	1/4	128,962	1/4	113,989	1/4	99,003	1/4	84,010
1/2		1/2	186,095	1/2	175,780	1/2	165,456	1/2	155,105	1/2	143,613	1/2	128,650	1/2	113,677	1/2	98,691	1/2	83,697
3/4		3/4	185,880	3/4	175,565	3/4	165,240	3/4	154,889	3/4	143,305	3/4	128,338	3/4	113,365	3/4	98,378	3/4	83,385
11		11	185,665	11	175,350	11	165,025	11	154,674	11	142,998	11	128,026	11	113,053	11	98,066	11	83,073
1/4		1/4	185,450	1/4	175,135	1/4	164,809	1/4	154,458	1/4	142,686	1/4	127,714	1/4	112,741	1/4	97,754	1/4	82,760
1/2		1/2	185,235	1/2	174,920	1/2	164,593	1/2	154,242	1/2	142,375	1/2	127,402	1/2	112,429	1/2	97,441	1/2	82,448
3/4		3/4	185,020	3/4	174,705	3/4	164,378	3/4	154,027	3/4	142,063	3/4	127,090	3/4	112,117	3/4	97,129	3/4	82,136

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 3006"

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	81,823	0	66,830	0	51,836	0	36,858	0	21,868	0	6,875	0		0		0		0	
1/4	81,511	1/4	66,517	1/4	51,524	1/4	36,546	1/4	21,556	1/4	6,563	1/4		1/4		1/4		1/4	
1/2	81,198	1/2	66,205	1/2	51,212	1/2	36,234	1/2	21,243	1/2	6,250	1/2		1/2		1/2		1/2	
3/4	80,886	3/4	65,893	3/4	50,899	3/4	35,922	3/4	20,931	3/4	5,938	3/4		3/4		3/4		3/4	
1	80,574	1	65,580	1	50,587	1	35,611	1	20,619	1	5,626	1		1		1		1	
1/4	80,261	1/4	65,268	1/4	50,275	1/4	35,298	1/4	20,306	1/4	5,314	1/4		1/4		1/4		1/4	
1/2	79,949	1/2	64,956	1/2	49,962	1/2	34,986	1/2	19,994	1/2	5,002	1/2		1/2		1/2		1/2	
3/4	79,637	3/4	64,643	3/4	49,650	3/4	34,674	3/4	19,682	3/4	4,689	3/4		3/4		3/4		3/4	
2	79,324	2	64,331	2	49,338	2	34,362	2	19,369	2	4,377	2		2		2		2	
1/4	79,012	1/4	64,019	1/4	49,025	1/4	34,050	1/4	19,057	1/4	4,066	1/4		1/4		1/4		1/4	
1/2	78,700	1/2	63,706	1/2	48,713	1/2	33,737	1/2	18,744	1/2	3,755	1/2		1/2		1/2		1/2	
3/4	78,387	3/4	63,394	3/4	48,400	3/4	33,425	3/4	18,432	3/4	3,443	3/4		3/4		3/4		3/4	
3	78,075	3	63,081	3	48,088	3	33,113	3	18,120	3	3,132	3		3		3		3	
1/4	77,762	1/4	62,769	1/4	47,776	1/4	32,800	1/4	17,807	1/4	2,840	1/4		1/4		1/4		1/4	
1/2	77,450	1/2	62,457	1/2	47,464	1/2	32,488	1/2	17,495	1/2	2,548	1/2		1/2		1/2		1/2	
3/4	77,138	3/4	62,144	3/4	47,151	3/4	32,176	3/4	17,183	3/4	2,256	3/4		3/4		3/4		3/4	
4	76,825	4	61,832	4	46,839	4	31,863	4	16,870	4	1,964	4		4		4		4	
1/4	76,513	1/4	61,520	1/4	46,527	1/4	31,551	1/4	16,558	1/4	1,729	1/4		1/4		1/4		1/4	
1/2	76,201	1/2	61,207	1/2	46,215	1/2	31,239	1/2	16,246	1/2	1,495	1/2		1/2		1/2		1/2	
3/4	75,888	3/4	60,895	3/4	45,903	3/4	30,926	3/4	15,933	3/4	1,261	3/4		3/4		3/4		3/4	
5	75,576	5	60,583	5	45,591	5	30,614	5	15,621	5	1,027	5		5		5		5	
1/4	75,264	1/4	60,270	1/4	45,279	1/4	30,302	1/4	15,309	1/4		1/4		1/4		1/4		1/4	
1/2	74,951	1/2	59,958	1/2	44,967	1/2	29,989	1/2	14,996	1/2		1/2		1/2		1/2		1/2	
3/4	74,639	3/4	59,645	3/4	44,655	3/4	29,677	3/4	14,684	3/4		3/4		3/4		3/4		3/4	
6	74,326	6	59,333	6	44,343	6	29,364	6	14,372	6		6		6		6		6	
1/4	74,014	1/4	59,021	1/4	44,031	1/4	29,052	1/4	14,059	1/4		1/4		1/4		1/4		1/4	
1/2	73,702	1/2	58,708	1/2	43,719	1/2	28,740	1/2	13,747	1/2		1/2		1/2		1/2		1/2	
3/4	73,389	3/4	58,396	3/4	43,407	3/4	28,427	3/4	13,434	3/4		3/4		3/4		3/4		3/4	
7	73,077	7	58,084	7	43,095	7	28,115	7	13,122	7		7		7		7		7	
1/4	72,765	1/4	57,771	1/4	42,783	1/4	27,803	1/4	12,810	1/4		1/4		1/4		1/4		1/4	
1/2	72,452	1/2	57,459	1/2	42,472	1/2	27,490	1/2	12,497	1/2		1/2		1/2		1/2		1/2	
3/4	72,140	3/4	57,147	3/4	42,160	3/4	27,178	3/4	12,185	3/4		3/4		3/4		3/4		3/4	
8	71,828	8	56,834	8	41,848	8	26,866	8	11,873	8		8		8		8		8	
1/4	71,515	1/4	56,522	1/4	41,536	1/4	26,553	1/4	11,560	1/4		1/4		1/4		1/4		1/4	
1/2	71,203	1/2	56,209	1/2	41,224	1/2	26,241	1/2	11,248	1/2		1/2		1/2		1/2		1/2	
3/4	70,890	3/4	55,897	3/4	40,912	3/4	25,929	3/4	10,936	3/4		3/4		3/4		3/4		3/4	
9	70,578	9	55,585	9	40,600	9	25,616	9	10,623	9		9		9		9		9	
1/4	70,266	1/4	55,272	1/4	40,289	1/4	25,304	1/4	10,311	1/4		1/4		1/4		1/4		1/4	
1/2	69,953	1/2	54,960	1/2	39,977	1/2	24,992	1/2	9,999	1/2		1/2		1/2		1/2		1/2	
3/4	69,641	3/4	54,648	3/4	39,665	3/4	24,679	3/4	9,686	3/4		3/4		3/4		3/4		3/4	
10	69,329	10	54,335	10	39,353	10	24,367	10	9,374	10		10		10		10		10	
1/4	69,016	1/4	54,023	1/4	39,041	1/4	24,054	1/4	9,062	1/4		1/4		1/4		1/4		1/4	
1/2	68,704	1/2	53,711	1/2	38,729	1/2	23,742	1/2	8,749	1/2		1/2		1/2		1/2		1/2	
3/4	68,392	3/4	53,398	3/4	38,417	3/4	23,430	3/4	8,437	3/4		3/4		3/4		3/4		3/4	
11	68,079	11	53,086	11	38,105	11	23,117	11	8,125	11		11		11		11		11	
1/4	67,767	1/4	52,773	1/4	37,794	1/4	22,805	1/4	7,812	1/4		1/4		1/4		1/4		1/4	
1/2	67,455	1/2	52,461	1/2	37,482	1/2	22,493	1/2	7,500	1/2		1/2		1/2		1/2		1/2	
3/4	67,142	3/4	52,149	3/4	37,170	3/4	22,180	3/4	7,187	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 3006"

PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE 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 3006"

STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 1/4"

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

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.

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