



BARGE "HFL 3011"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"
 AFT DRAFT = 5'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 3'-00" TRIM DOWN BY STERN FOR 3 PORT IS - 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

February 14, 2017

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HFL 3011"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

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

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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

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BARGE "HFL 3011"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	99	0	254	0	406	0		0		0		0		0		0	
1/4	1	1/4	102	1/4	257	1/4	409	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	105	1/2	260	1/2	411	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	108	3/4	264	3/4	414	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	111	1	267	1	417	1		1		1		1		1		1	
1/4	4	1/4	114	1/4	270	1/4	420	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	117	1/2	274	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	120	3/4	277	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	123	2	280	2	428	2		2		2		2		2		2	
1/4	9	1/4	126	1/4	284	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	130	1/2	287	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	133	3/4	290	3/4	435	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	136	3	294	3	438	3		3		3		3		3		3	
1/4	15	1/4	139	1/4	297	1/4	441	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	142	1/2	300	1/2	443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	145	3/4	303	3/4	445	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	148	4	307	4	448	4		4		4		4		4		4	
1/4	22	1/4	152	1/4	310	1/4	450	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	155	1/2	313	1/2	452	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	158	3/4	317	3/4	455	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	161	5	320	5	457	5		5		5		5		5		5	
1/4	30	1/4	164	1/4	323	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	168	1/2	326	1/2	461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	171	3/4	330	3/4	464	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	174	6	333	6	466	6		6		6		6		6		6	
1/4	39	1/4	177	1/4	336	1/4	468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41	1/2	181	1/2	339	1/2	470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	184	3/4	342	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	187	7	346	7	474	7		7		7		7		7		7	
1/4	48	1/4	190	1/4	349	1/4	475	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	194	1/2	352	1/2	477	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	197	3/4	355	3/4	479	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	200	8	358	8	481	8		8		8		8		8		8	
1/4	58	1/4	204	1/4	361	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	207	1/2	364	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	63	3/4	210	3/4	367	3/4	485	3/4		3/4		3/4		3/4		3/4		3/4	
9	66	9	214	9	370	9	487	9		9		9		9		9		9	
1/4	69	1/4	217	1/4	373	1/4	488	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	71	1/2	220	1/2	376	1/2	489	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	74	3/4	224	3/4	380	3/4	490	3/4		3/4		3/4		3/4		3/4		3/4	
10	77	10	227	10	383	10	491	10		10		10		10		10		10	
1/4	80	1/4	230	1/4	386	1/4	492	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	82	1/2	234	1/2	388	1/2	493	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	85	3/4	237	3/4	391	3/4	493	3/4		3/4		3/4		3/4		3/4		3/4	
11	88	11	240	11	394	11	494	11		11		11		11		11		11	
1/4	91	1/4	244	1/4	397	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	247	1/2	400	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	250	3/4	403	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
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<http://www.pmacorp.net>



BARGE "HFL 3011"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	1,028	0	15,643	0	30,657	0	45,655	0	60,668	0	75,683	0	90,698	0	105,712	0	120,710	0	135,705
1/4	1,263	1/4	15,956	1/4	30,970	1/4	45,968	1/4	60,981	1/4	75,996	1/4	91,011	1/4	106,025	1/4	121,023	1/4	136,017
1/2	1,497	1/2	16,269	1/2	31,283	1/2	46,280	1/2	61,294	1/2	76,309	1/2	91,323	1/2	106,338	1/2	121,335	1/2	136,330
3/4	1,732	3/4	16,581	3/4	31,596	3/4	46,593	3/4	61,607	3/4	76,622	3/4	91,636	3/4	106,651	3/4	121,648	3/4	136,642
1	1,966	1	16,894	1	31,908	1	46,906	1	61,920	1	76,934	1	91,949	1	106,964	1	121,960	1	136,955
1/4	2,259	1/4	17,207	1/4	32,221	1/4	47,218	1/4	62,232	1/4	77,247	1/4	92,262	1/4	107,276	1/4	122,272	1/4	137,267
1/2	2,551	1/2	17,520	1/2	32,534	1/2	47,531	1/2	62,545	1/2	77,560	1/2	92,575	1/2	107,589	1/2	122,585	1/2	137,579
3/4	2,844	3/4	17,833	3/4	32,847	3/4	47,844	3/4	62,858	3/4	77,873	3/4	92,887	3/4	107,902	3/4	122,897	3/4	137,892
2	3,136	2	18,145	2	33,160	2	48,156	2	63,171	2	78,186	2	93,200	2	108,214	2	123,210	2	138,204
1/4	3,448	1/4	18,458	1/4	33,472	1/4	48,469	1/4	63,484	1/4	78,498	1/4	93,513	1/4	108,527	1/4	123,522	1/4	138,517
1/2	3,760	1/2	18,771	1/2	33,785	1/2	48,782	1/2	63,797	1/2	78,811	1/2	93,826	1/2	108,839	1/2	123,834	1/2	138,829
3/4	4,072	3/4	19,084	3/4	34,098	3/4	49,095	3/4	64,109	3/4	79,124	3/4	94,139	3/4	109,152	3/4	124,147	3/4	139,141
3	4,384	3	19,397	3	34,411	3	49,407	3	64,422	3	79,437	3	94,451	3	109,464	3	124,459	3	139,454
1/4	4,696	1/4	19,709	1/4	34,723	1/4	49,720	1/4	64,735	1/4	79,750	1/4	94,764	1/4	109,777	1/4	124,771	1/4	139,766
1/2	5,009	1/2	20,022	1/2	35,036	1/2	50,033	1/2	65,048	1/2	80,062	1/2	95,077	1/2	110,089	1/2	125,084	1/2	140,079
3/4	5,321	3/4	20,335	3/4	35,348	3/4	50,346	3/4	65,361	3/4	80,375	3/4	95,390	3/4	110,402	3/4	125,396	3/4	140,391
4	5,634	4	20,648	4	35,661	4	50,659	4	65,673	4	80,688	4	95,703	4	110,714	4	125,709	4	140,703
1/4	5,946	1/4	20,961	1/4	35,973	1/4	50,971	1/4	65,986	1/4	81,001	1/4	96,015	1/4	111,026	1/4	126,021	1/4	141,016
1/2	6,259	1/2	21,273	1/2	36,286	1/2	51,284	1/2	66,299	1/2	81,314	1/2	96,328	1/2	111,339	1/2	126,333	1/2	141,328
3/4	6,572	3/4	21,586	3/4	36,598	3/4	51,597	3/4	66,612	3/4	81,626	3/4	96,641	3/4	111,651	3/4	126,646	3/4	141,640
5	6,885	5	21,899	5	36,910	5	51,910	5	66,925	5	81,939	5	96,954	5	111,964	5	126,958	5	141,953
1/4	7,198	1/4	22,212	1/4	37,223	1/4	52,223	1/4	67,237	1/4	82,252	1/4	97,267	1/4	112,276	1/4	127,271	1/4	142,265
1/2	7,510	1/2	22,525	1/2	37,535	1/2	52,536	1/2	67,550	1/2	82,565	1/2	97,579	1/2	112,588	1/2	127,583	1/2	142,577
3/4	7,823	3/4	22,837	3/4	37,847	3/4	52,848	3/4	67,863	3/4	82,878	3/4	97,892	3/4	112,901	3/4	127,895	3/4	142,889
6	8,136	6	23,150	6	38,160	6	53,161	6	68,176	6	83,190	6	98,205	6	113,213	6	128,208	6	143,201
1/4	8,449	1/4	23,463	1/4	38,472	1/4	53,474	1/4	68,489	1/4	83,503	1/4	98,518	1/4	113,526	1/4	128,520	1/4	143,509
1/2	8,762	1/2	23,776	1/2	38,784	1/2	53,787	1/2	68,801	1/2	83,816	1/2	98,831	1/2	113,838	1/2	128,833	1/2	143,816
3/4	9,074	3/4	24,089	3/4	39,096	3/4	54,100	3/4	69,114	3/4	84,129	3/4	99,143	3/4	114,150	3/4	129,145	3/4	144,124
7	9,387	7	24,401	7	39,409	7	54,412	7	69,427	7	84,442	7	99,456	7	114,463	7	129,457	7	144,432
1/4	9,700	1/4	24,714	1/4	39,721	1/4	54,725	1/4	69,740	1/4	84,754	1/4	99,769	1/4	114,775	1/4	129,770	1/4	144,727
1/2	10,013	1/2	25,027	1/2	40,033	1/2	55,038	1/2	70,053	1/2	85,067	1/2	100,082	1/2	115,087	1/2	130,082	1/2	145,022
3/4	10,326	3/4	25,340	3/4	40,346	3/4	55,351	3/4	70,365	3/4	85,380	3/4	100,395	3/4	115,400	3/4	130,394	3/4	145,317
8	10,638	8	25,653	8	40,658	8	55,664	8	70,678	8	85,693	8	100,708	8	115,712	8	130,707	8	145,613
1/4	10,951	1/4	25,965	1/4	40,970	1/4	55,976	1/4	70,991	1/4	86,006	1/4	101,020	1/4	116,025	1/4	131,019	1/4	145,892
1/2	11,264	1/2	26,278	1/2	41,283	1/2	56,289	1/2	71,304	1/2	86,318	1/2	101,333	1/2	116,337	1/2	131,332	1/2	146,171
3/4	11,577	3/4	26,591	3/4	41,595	3/4	56,602	3/4	71,617	3/4	86,631	3/4	101,646	3/4	116,649	3/4	131,644	3/4	146,450
9	11,890	9	26,904	9	41,907	9	56,915	9	71,929	9	86,944	9	101,959	9	116,962	9	131,956	9	146,729
1/4	12,202	1/4	27,217	1/4	42,220	1/4	57,228	1/4	72,242	1/4	87,257	1/4	102,272	1/4	117,274	1/4	132,269	1/4	146,993
1/2	12,515	1/2	27,529	1/2	42,532	1/2	57,540	1/2	72,555	1/2	87,570	1/2	102,584	1/2	117,587	1/2	132,581	1/2	147,256
3/4	12,828	3/4	27,842	3/4	42,844	3/4	57,853	3/4	72,868	3/4	87,883	3/4	102,897	3/4	117,899	3/4	132,894	3/4	147,519
10	13,141	10	28,155	10	43,156	10	58,166	10	73,181	10	88,195	10	103,210	10	118,211	10	133,206	10	147,782
1/4	13,454	1/4	28,468	1/4	43,469	1/4	58,479	1/4	73,493	1/4	88,508	1/4	103,523	1/4	118,524	1/4	133,518	1/4	148,030
1/2	13,766	1/2	28,781	1/2	43,781	1/2	58,792	1/2	73,806	1/2	88,821	1/2	103,836	1/2	118,836	1/2	133,831	1/2	148,277
3/4	14,079	3/4	29,093	3/4	44,093	3/4	59,104	3/4	74,119	3/4	89,134	3/4	104,148	3/4	119,148	3/4	134,143	3/4	148,524
11	14,392	11	29,406	11	44,406	11	59,417	11	74,432	11	89,447	11	104,461	11	119,461	11	134,456	11	148,771
1/4	14,705	1/4	29,719	1/4	44,718	1/4	59,730	1/4	74,745	1/4	89,759	1/4	104,774	1/4	119,773	1/4	134,768	1/4	149,002
1/2	15,017	1/2	30,032	1/2	45,031	1/2	60,043	1/2	75,057	1/2	90,072	1/2	105,087	1/2	120,086	1/2	135,080	1/2	149,234
3/4	15,330	3/4	30,344	3/4	45,343	3/4	60,356	3/4	75,370	3/4	90,385	3/4	105,400	3/4	120,398	3/4	135,393	3/4	149,465

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 INNAGE 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
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BARGE "HFL 3011"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	149,696	0	160,076	0	170,434	0	180,763	0	191,078	0		0		0		0		0	
1/4	149,915	1/4	160,292	1/4	170,649	1/4	180,979	1/4	191,271	1/4		1/4		1/4		1/4		1/4	
1/2	150,135	1/2	160,508	1/2	170,865	1/2	181,194	1/2	191,464	1/2		1/2		1/2		1/2		1/2	
3/4	150,354	3/4	160,724	3/4	171,080	3/4	181,409	3/4	191,657	3/4		3/4		3/4		3/4		3/4	
1	150,574	1	160,940	1	171,295	1	181,624	1	191,850	1		1		1		1		1	
1/4	150,790	1/4	161,156	1/4	171,510	1/4	181,839	1/4	192,010	1/4		1/4		1/4		1/4		1/4	
1/2	151,006	1/2	161,372	1/2	171,725	1/2	182,055	1/2	192,170	1/2		1/2		1/2		1/2		1/2	
3/4	151,222	3/4	161,588	3/4	171,941	3/4	182,270	3/4	192,329	3/4		3/4		3/4		3/4		3/4	
2	151,438	2	161,804	2	172,156	2	182,485	2	192,489	2		2		2		2		2	
1/4	151,654	1/4	162,019	1/4	172,371	1/4	182,700	1/4	192,613	1/4		1/4		1/4		1/4		1/4	
1/2	151,870	1/2	162,235	1/2	172,586	1/2	182,915	1/2	192,736	1/2		1/2		1/2		1/2		1/2	
3/4	152,086	3/4	162,451	3/4	172,801	3/4	183,131	3/4	192,860	3/4		3/4		3/4		3/4		3/4	
3	152,302	3	162,667	3	173,016	3	183,346	3	192,983	3		3		3		3		3	
1/4	152,517	1/4	162,883	1/4	173,232	1/4	183,561	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,733	1/2	163,099	1/2	173,447	1/2	183,776	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,949	3/4	163,315	3/4	173,662	3/4	183,991	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,165	4	163,531	4	173,877	4	184,207	4		4		4		4		4		4	
1/4	153,381	1/4	163,747	1/4	174,092	1/4	184,422	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,597	1/2	163,963	1/2	174,308	1/2	184,637	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,813	3/4	164,179	3/4	174,523	3/4	184,852	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,029	5	164,395	5	174,738	5	185,067	5		5		5		5		5		5	
1/4	154,245	1/4	164,611	1/4	174,953	1/4	185,283	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,461	1/2	164,827	1/2	175,168	1/2	185,498	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,677	3/4	165,043	3/4	175,384	3/4	185,713	3/4		3/4		3/4		3/4		3/4		3/4	
6	154,893	6	165,259	6	175,599	6	185,928	6		6		6		6		6		6	
1/4	155,109	1/4	165,475	1/4	175,814	1/4	186,143	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,325	1/2	165,691	1/2	176,029	1/2	186,359	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,541	3/4	165,907	3/4	176,244	3/4	186,574	3/4		3/4		3/4		3/4		3/4		3/4	
7	155,757	7	166,123	7	176,460	7	186,789	7		7		7		7		7		7	
1/4	155,973	1/4	166,339	1/4	176,675	1/4	187,004	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,189	1/2	166,555	1/2	176,890	1/2	187,219	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,405	3/4	166,771	3/4	177,105	3/4	187,435	3/4		3/4		3/4		3/4		3/4		3/4	
8	156,621	8	166,986	8	177,320	8	187,650	8		8		8		8		8		8	
1/4	156,837	1/4	167,202	1/4	177,536	1/4	187,865	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,053	1/2	167,418	1/2	177,751	1/2	188,081	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,268	3/4	167,634	3/4	177,966	3/4	188,296	3/4		3/4		3/4		3/4		3/4		3/4	
9	157,484	9	167,850	9	178,181	9	188,511	9		9		9		9		9		9	
1/4	157,700	1/4	168,066	1/4	178,396	1/4	188,726	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,916	1/2	168,281	1/2	178,612	1/2	188,942	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,132	3/4	168,497	3/4	178,827	3/4	189,157	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,348	10	168,713	10	179,042	10	189,372	10		10		10		10		10		10	
1/4	158,564	1/4	168,928	1/4	179,257	1/4	189,587	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,780	1/2	169,143	1/2	179,472	1/2	189,802	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,996	3/4	169,358	3/4	179,688	3/4	190,017	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,212	11	169,573	11	179,903	11	190,232	11		11		11		11		11		11	
1/4	159,428	1/4	169,789	1/4	180,118	1/4	190,444	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,644	1/2	170,004	1/2	180,333	1/2	190,655	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,860	3/4	170,219	3/4	180,548	3/4	190,867	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "HFL 3011"

3 PORT INNAGE 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	1,029	0	15,646	0	30,647	0	45,419	0	59,988	0	74,911	0	89,889	0	104,879	0	119,860	0	134,837
1/4	1,264	1/4	15,959	1/4	30,960	1/4	45,721	1/4	60,300	1/4	75,221	1/4	90,201	1/4	105,192	1/4	120,172	1/4	135,149
1/2	1,498	1/2	16,271	1/2	31,272	1/2	46,023	1/2	60,613	1/2	75,532	1/2	90,513	1/2	105,504	1/2	120,484	1/2	135,461
3/4	1,733	3/4	16,584	3/4	31,585	3/4	46,325	3/4	60,925	3/4	75,842	3/4	90,825	3/4	105,817	3/4	120,796	3/4	135,773
1	1,968	1	16,896	1	31,897	1	46,627	1	61,237	1	76,153	1	91,138	1	106,129	1	121,108	1	136,085
1/4	2,261	1/4	17,209	1/4	32,210	1/4	46,929	1/4	61,549	1/4	76,463	1/4	91,450	1/4	106,441	1/4	121,420	1/4	136,397
1/2	2,553	1/2	17,521	1/2	32,522	1/2	47,232	1/2	61,861	1/2	76,774	1/2	91,762	1/2	106,754	1/2	121,732	1/2	136,709
3/4	2,846	3/4	17,834	3/4	32,835	3/4	47,534	3/4	62,174	3/4	77,084	3/4	92,074	3/4	107,066	3/4	122,044	3/4	137,021
2	3,139	2	18,147	2	33,148	2	47,836	2	62,486	2	77,395	2	92,386	2	107,378	2	122,356	2	137,333
1/4	3,451	1/4	18,459	1/4	33,460	1/4	48,139	1/4	62,797	1/4	77,706	1/4	92,699	1/4	107,690	1/4	122,668	1/4	137,645
1/2	3,763	1/2	18,772	1/2	33,773	1/2	48,442	1/2	63,109	1/2	78,018	1/2	93,011	1/2	108,002	1/2	122,980	1/2	137,957
3/4	4,075	3/4	19,084	3/4	34,085	3/4	48,744	3/4	63,420	3/4	78,329	3/4	93,323	3/4	108,315	3/4	123,292	3/4	138,269
3	4,387	3	19,397	3	34,398	3	49,047	3	63,731	3	78,641	3	93,635	3	108,627	3	123,604	3	138,581
1/4	4,700	1/4	19,709	1/4	34,710	1/4	49,350	1/4	64,042	1/4	78,953	1/4	93,947	1/4	108,939	1/4	123,916	1/4	138,893
1/2	5,013	1/2	20,022	1/2	35,022	1/2	49,652	1/2	64,352	1/2	79,266	1/2	94,260	1/2	109,251	1/2	124,228	1/2	139,205
3/4	5,325	3/4	20,334	3/4	35,334	3/4	49,955	3/4	64,663	3/4	79,578	3/4	94,572	3/4	109,563	3/4	124,540	3/4	139,517
4	5,638	4	20,647	4	35,646	4	50,258	4	64,973	4	79,891	4	94,884	4	109,875	4	124,852	4	139,829
1/4	5,951	1/4	20,960	1/4	35,954	1/4	50,560	1/4	65,284	1/4	80,203	1/4	95,196	1/4	110,187	1/4	125,164	1/4	140,141
1/2	6,263	1/2	21,272	1/2	36,263	1/2	50,863	1/2	65,594	1/2	80,516	1/2	95,508	1/2	110,499	1/2	125,476	1/2	140,453
3/4	6,576	3/4	21,585	3/4	36,571	3/4	51,166	3/4	65,905	3/4	80,828	3/4	95,820	3/4	110,811	3/4	125,788	3/4	140,765
5	6,889	5	21,897	5	36,880	5	51,468	5	66,216	5	81,141	5	96,133	5	111,123	5	126,100	5	141,077
1/4	7,202	1/4	22,210	1/4	37,185	1/4	51,771	1/4	66,526	1/4	81,453	1/4	96,445	1/4	111,435	1/4	126,412	1/4	141,389
1/2	7,514	1/2	22,522	1/2	37,490	1/2	52,074	1/2	66,837	1/2	81,766	1/2	96,757	1/2	111,747	1/2	126,724	1/2	141,700
3/4	7,827	3/4	22,835	3/4	37,795	3/4	52,377	3/4	67,147	3/4	82,078	3/4	97,069	3/4	112,059	3/4	127,036	3/4	142,012
6	8,140	6	23,148	6	38,100	6	52,679	6	67,458	6	82,391	6	97,381	6	112,371	6	127,348	6	142,324
1/4	8,453	1/4	23,460	1/4	38,406	1/4	52,982	1/4	67,768	1/4	82,703	1/4	97,694	1/4	112,683	1/4	127,660	1/4	142,631
1/2	8,766	1/2	23,773	1/2	38,711	1/2	53,285	1/2	68,079	1/2	83,016	1/2	98,006	1/2	112,995	1/2	127,972	1/2	142,938
3/4	9,079	3/4	24,085	3/4	39,016	3/4	53,587	3/4	68,389	3/4	83,328	3/4	98,318	3/4	113,307	3/4	128,284	3/4	143,246
7	9,392	7	24,398	7	39,321	7	53,890	7	68,700	7	83,641	7	98,631	7	113,619	7	128,596	7	143,553
1/4	9,705	1/4	24,710	1/4	39,627	1/4	54,193	1/4	69,010	1/4	83,953	1/4	98,943	1/4	113,931	1/4	128,908	1/4	143,848
1/2	10,018	1/2	25,023	1/2	39,932	1/2	54,495	1/2	69,321	1/2	84,266	1/2	99,255	1/2	114,243	1/2	129,220	1/2	144,143
3/4	10,331	3/4	25,336	3/4	40,237	3/4	54,798	3/4	69,631	3/4	84,578	3/4	99,568	3/4	114,555	3/4	129,532	3/4	144,438
8	10,644	8	25,648	8	40,542	8	55,101	8	69,942	8	84,891	8	99,880	8	114,867	8	129,844	8	144,732
1/4	10,957	1/4	25,961	1/4	40,848	1/4	55,403	1/4	70,252	1/4	85,203	1/4	100,193	1/4	115,179	1/4	130,156	1/4	145,011
1/2	11,270	1/2	26,273	1/2	41,153	1/2	55,706	1/2	70,563	1/2	85,516	1/2	100,505	1/2	115,491	1/2	130,468	1/2	145,290
3/4	11,582	3/4	26,586	3/4	41,458	3/4	56,009	3/4	70,874	3/4	85,828	3/4	100,818	3/4	115,803	3/4	130,780	3/4	145,569
9	11,895	9	26,898	9	41,763	9	56,311	9	71,184	9	86,141	9	101,130	9	116,115	9	131,092	9	145,848
1/4	12,208	1/4	27,210	1/4	42,068	1/4	56,616	1/4	71,495	1/4	86,453	1/4	101,443	1/4	116,427	1/4	131,404	1/4	146,111
1/2	12,520	1/2	27,523	1/2	42,374	1/2	56,920	1/2	71,805	1/2	86,766	1/2	101,755	1/2	116,740	1/2	131,716	1/2	146,374
3/4	12,833	3/4	27,835	3/4	42,679	3/4	57,224	3/4	72,116	3/4	87,078	3/4	102,067	3/4	117,052	3/4	132,028	3/4	146,637
10	13,146	10	28,148	10	42,984	10	57,529	10	72,426	10	87,391	10	102,380	10	117,364	10	132,340	10	146,900
1/4	13,458	1/4	28,460	1/4	43,289	1/4	57,835	1/4	72,737	1/4	87,703	1/4	102,692	1/4	117,676	1/4	132,653	1/4	147,148
1/2	13,771	1/2	28,772	1/2	43,595	1/2	58,140	1/2	73,047	1/2	88,016	1/2	103,005	1/2	117,988	1/2	132,965	1/2	147,395
3/4	14,083	3/4	29,085	3/4	43,900	3/4	58,446	3/4	73,358	3/4	88,328	3/4	103,317	3/4	118,300	3/4	133,277	3/4	147,642
11	14,396	11	29,397	11	44,205	11	58,752	11	73,668	11	88,640	11	103,630	11	118,612	11	133,589	11	147,890
1/4	14,708	1/4	29,710	1/4	44,509	1/4	59,061	1/4	73,979	1/4	88,952	1/4	103,942	1/4	118,924	1/4	133,901	1/4	148,121
1/2	15,021	1/2	30,022	1/2	44,812	1/2	59,370	1/2	74,289	1/2	89,265	1/2	104,254	1/2	119,236	1/2	134,213	1/2	148,352
3/4	15,333	3/4	30,335	3/4	45,116	3/4	59,679	3/4	74,600	3/4	89,577	3/4	104,567	3/4	119,548	3/4	134,525	3/4	148,584

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 INNAGE 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 3011"

3 PORT INNAGE 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	148,815	0	159,205	0	169,574	0	179,914	0	190,239	0		0		0		0		0	
1/4	149,035	1/4	159,422	1/4	169,790	1/4	180,129	1/4	190,432	1/4		1/4		1/4		1/4		1/4	
1/2	149,254	1/2	159,638	1/2	170,005	1/2	180,345	1/2	190,626	1/2		1/2		1/2		1/2		1/2	
3/4	149,474	3/4	159,854	3/4	170,220	3/4	180,560	3/4	190,819	3/4		3/4		3/4		3/4		3/4	
1	149,694	1	160,070	1	170,436	1	180,776	1	191,012	1		1		1		1		1	
1/4	149,910	1/4	160,286	1/4	170,651	1/4	180,991	1/4	191,172	1/4		1/4		1/4		1/4		1/4	
1/2	150,126	1/2	160,502	1/2	170,867	1/2	181,206	1/2	191,332	1/2		1/2		1/2		1/2		1/2	
3/4	150,342	3/4	160,719	3/4	171,082	3/4	181,422	3/4	191,492	3/4		3/4		3/4		3/4		3/4	
2	150,558	2	160,935	2	171,297	2	181,637	2	191,651	2		2		2		2		2	
1/4	150,775	1/4	161,151	1/4	171,513	1/4	181,853	1/4	191,775	1/4		1/4		1/4		1/4		1/4	
1/2	150,991	1/2	161,367	1/2	171,728	1/2	182,068	1/2	191,899	1/2		1/2		1/2		1/2		1/2	
3/4	151,207	3/4	161,583	3/4	171,944	3/4	182,283	3/4	192,022	3/4		3/4		3/4		3/4		3/4	
3	151,423	3	161,799	3	172,159	3	182,499	3	192,146	3		3		3		3		3	
1/4	151,639	1/4	162,016	1/4	172,374	1/4	182,714	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,855	1/2	162,232	1/2	172,590	1/2	182,930	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,072	3/4	162,448	3/4	172,805	3/4	183,145	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,288	4	162,664	4	173,021	4	183,361	4		4		4		4		4		4	
1/4	152,504	1/4	162,880	1/4	173,236	1/4	183,576	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,720	1/2	163,096	1/2	173,452	1/2	183,791	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,936	3/4	163,313	3/4	173,667	3/4	184,007	3/4		3/4		3/4		3/4		3/4		3/4	
5	153,152	5	163,529	5	173,882	5	184,222	5		5		5		5		5		5	
1/4	153,369	1/4	163,745	1/4	174,098	1/4	184,438	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,585	1/2	163,961	1/2	174,313	1/2	184,653	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,801	3/4	164,177	3/4	174,529	3/4	184,868	3/4		3/4		3/4		3/4		3/4		3/4	
6	154,017	6	164,394	6	174,744	6	185,084	6		6		6		6		6		6	
1/4	154,233	1/4	164,610	1/4	174,959	1/4	185,299	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,450	1/2	164,826	1/2	175,175	1/2	185,515	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,666	3/4	165,042	3/4	175,390	3/4	185,730	3/4		3/4		3/4		3/4		3/4		3/4	
7	154,882	7	165,258	7	175,606	7	185,946	7		7		7		7		7		7	
1/4	155,098	1/4	165,474	1/4	175,821	1/4	186,161	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,314	1/2	165,691	1/2	176,037	1/2	186,376	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,530	3/4	165,907	3/4	176,252	3/4	186,592	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,747	8	166,123	8	176,467	8	186,807	8		8		8		8		8		8	
1/4	155,963	1/4	166,339	1/4	176,683	1/4	187,023	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,179	1/2	166,555	1/2	176,898	1/2	187,238	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,395	3/4	166,771	3/4	177,114	3/4	187,454	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,611	9	166,988	9	177,329	9	187,670	9		9		9		9		9		9	
1/4	156,827	1/4	167,203	1/4	177,544	1/4	187,885	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,044	1/2	167,419	1/2	177,760	1/2	188,100	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,260	3/4	167,635	3/4	177,975	3/4	188,316	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,476	10	167,851	10	178,191	10	188,531	10		10		10		10		10		10	
1/4	157,692	1/4	168,066	1/4	178,406	1/4	188,747	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,908	1/2	168,282	1/2	178,621	1/2	188,962	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,124	3/4	168,497	3/4	178,837	3/4	189,177	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,341	11	168,712	11	179,052	11	189,392	11		11		11		11		11		11	
1/4	158,557	1/4	168,928	1/4	179,268	1/4	189,604	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,773	1/2	169,143	1/2	179,483	1/2	189,816	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,989	3/4	169,359	3/4	179,699	3/4	190,027	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

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



BARGE "HFL 3011"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	1,032	0	15,694	0	30,755	0	45,797	0	60,845	0	75,908	0	90,971	0	106,034	0	121,092	0	136,147
1/4	1,267	1/4	16,008	1/4	31,068	1/4	46,110	1/4	61,159	1/4	76,222	1/4	91,285	1/4	106,348	1/4	121,406	1/4	136,461
1/2	1,502	1/2	16,322	1/2	31,382	1/2	46,423	1/2	61,473	1/2	76,536	1/2	91,599	1/2	106,662	1/2	121,719	1/2	136,775
3/4	1,738	3/4	16,635	3/4	31,696	3/4	46,736	3/4	61,787	3/4	76,850	3/4	91,913	3/4	106,976	3/4	122,033	3/4	137,088
1	1,973	1	16,949	1	32,010	1	47,049	1	62,100	1	77,163	1	92,226	1	107,289	1	122,347	1	137,402
1/4	2,266	1/4	17,263	1/4	32,324	1/4	47,362	1/4	62,414	1/4	77,477	1/4	92,540	1/4	107,603	1/4	122,660	1/4	137,716
1/2	2,560	1/2	17,577	1/2	32,637	1/2	47,674	1/2	62,728	1/2	77,791	1/2	92,854	1/2	107,917	1/2	122,974	1/2	138,029
3/4	2,853	3/4	17,891	3/4	32,951	3/4	47,987	3/4	63,042	3/4	78,105	3/4	93,168	3/4	108,231	3/4	123,287	3/4	138,343
2	3,147	2	18,204	2	33,265	2	48,300	2	63,356	2	78,419	2	93,482	2	108,545	2	123,601	2	138,657
1/4	3,459	1/4	18,518	1/4	33,579	1/4	48,613	1/4	63,670	1/4	78,733	1/4	93,796	1/4	108,859	1/4	123,915	1/4	138,970
1/2	3,772	1/2	18,832	1/2	33,893	1/2	48,926	1/2	63,983	1/2	79,046	1/2	94,109	1/2	109,172	1/2	124,228	1/2	139,284
3/4	4,085	3/4	19,146	3/4	34,207	3/4	49,239	3/4	64,297	3/4	79,360	3/4	94,423	3/4	109,486	3/4	124,542	3/4	139,598
3	4,398	3	19,460	3	34,520	3	49,552	3	64,611	3	79,674	3	94,737	3	109,800	3	124,856	3	139,911
1/4	4,711	1/4	19,773	1/4	34,834	1/4	49,865	1/4	64,925	1/4	79,988	1/4	95,051	1/4	110,114	1/4	125,169	1/4	140,225
1/2	5,025	1/2	20,087	1/2	35,148	1/2	50,178	1/2	65,239	1/2	80,302	1/2	95,365	1/2	110,427	1/2	125,483	1/2	140,539
3/4	5,338	3/4	20,401	3/4	35,462	3/4	50,492	3/4	65,552	3/4	80,615	3/4	95,678	3/4	110,741	3/4	125,797	3/4	140,852
4	5,652	4	20,715	4	35,776	4	50,805	4	65,866	4	80,929	4	95,992	4	111,055	4	126,110	4	141,166
1/4	5,966	1/4	21,029	1/4	36,089	1/4	51,118	1/4	66,180	1/4	81,243	1/4	96,306	1/4	111,369	1/4	126,424	1/4	141,479
1/2	6,280	1/2	21,343	1/2	36,403	1/2	51,432	1/2	66,494	1/2	81,557	1/2	96,620	1/2	111,682	1/2	126,738	1/2	141,793
3/4	6,593	3/4	21,656	3/4	36,717	3/4	51,745	3/4	66,808	3/4	81,871	3/4	96,934	3/4	111,996	3/4	127,051	3/4	142,107
5	6,907	5	21,970	5	37,031	5	52,058	5	67,121	5	82,184	5	97,247	5	112,310	5	127,365	5	142,420
1/4	7,221	1/4	22,284	1/4	37,345	1/4	52,372	1/4	67,435	1/4	82,498	1/4	97,561	1/4	112,623	1/4	127,679	1/4	142,734
1/2	7,535	1/2	22,598	1/2	37,658	1/2	52,686	1/2	67,749	1/2	82,812	1/2	97,875	1/2	112,937	1/2	127,992	1/2	143,048
3/4	7,849	3/4	22,912	3/4	37,972	3/4	53,000	3/4	68,063	3/4	83,126	3/4	98,189	3/4	113,251	3/4	128,306	3/4	143,361
6	8,162	6	23,225	6	38,286	6	53,314	6	68,377	6	83,440	6	98,503	6	113,564	6	128,620	6	143,675
1/4	8,476	1/4	23,539	1/4	38,599	1/4	53,628	1/4	68,691	1/4	83,754	1/4	98,817	1/4	113,878	1/4	128,933	1/4	143,989
1/2	8,790	1/2	23,853	1/2	38,913	1/2	53,941	1/2	69,004	1/2	84,067	1/2	99,130	1/2	114,191	1/2	129,247	1/2	144,302
3/4	9,104	3/4	24,167	3/4	39,226	3/4	54,255	3/4	69,318	3/4	84,381	3/4	99,444	3/4	114,505	3/4	129,561	3/4	144,616
7	9,418	7	24,481	7	39,539	7	54,569	7	69,632	7	84,695	7	99,758	7	114,819	7	129,874	7	144,930
1/4	9,732	1/4	24,794	1/4	39,852	1/4	54,883	1/4	69,946	1/4	85,009	1/4	100,072	1/4	115,132	1/4	130,188	1/4	145,243
1/2	10,045	1/2	25,108	1/2	40,165	1/2	55,197	1/2	70,260	1/2	85,323	1/2	100,386	1/2	115,446	1/2	130,502	1/2	145,557
3/4	10,359	3/4	25,422	3/4	40,478	3/4	55,510	3/4	70,573	3/4	85,636	3/4	100,699	3/4	115,760	3/4	130,815	3/4	145,871
8	10,673	8	25,736	8	40,791	8	55,824	8	70,887	8	85,950	8	101,013	8	116,073	8	131,129	8	146,184
1/4	10,987	1/4	26,050	1/4	41,104	1/4	56,138	1/4	71,201	1/4	86,264	1/4	101,327	1/4	116,387	1/4	131,443	1/4	146,498
1/2	11,301	1/2	26,363	1/2	41,417	1/2	56,452	1/2	71,515	1/2	86,578	1/2	101,641	1/2	116,701	1/2	131,756	1/2	146,812
3/4	11,614	3/4	26,677	3/4	41,730	3/4	56,766	3/4	71,829	3/4	86,892	3/4	101,955	3/4	117,014	3/4	132,070	3/4	147,125
9	11,928	9	26,991	9	42,043	9	57,079	9	72,142	9	87,205	9	102,268	9	117,328	9	132,383	9	147,439
1/4	12,242	1/4	27,304	1/4	42,355	1/4	57,393	1/4	72,456	1/4	87,519	1/4	102,582	1/4	117,642	1/4	132,697	1/4	147,753
1/2	12,556	1/2	27,618	1/2	42,668	1/2	57,707	1/2	72,770	1/2	87,833	1/2	102,896	1/2	117,955	1/2	133,011	1/2	148,066
3/4	12,870	3/4	27,932	3/4	42,981	3/4	58,021	3/4	73,084	3/4	88,147	3/4	103,210	3/4	118,269	3/4	133,324	3/4	148,380
10	13,183	10	28,245	10	43,294	10	58,335	10	73,398	10	88,461	10	103,524	10	118,583	10	133,638	10	148,694
1/4	13,497	1/4	28,559	1/4	43,607	1/4	58,649	1/4	73,712	1/4	88,775	1/4	103,838	1/4	118,896	1/4	133,952	1/4	149,007
1/2	13,811	1/2	28,872	1/2	43,920	1/2	58,962	1/2	74,025	1/2	89,088	1/2	104,151	1/2	119,210	1/2	134,265	1/2	149,321
3/4	14,125	3/4	29,186	3/4	44,233	3/4	59,276	3/4	74,339	3/4	89,402	3/4	104,465	3/4	119,524	3/4	134,579	3/4	149,635
11	14,439	11	29,500	11	44,546	11	59,590	11	74,653	11	89,716	11	104,779	11	119,837	11	134,893	11	149,948
1/4	14,752	1/4	29,813	1/4	44,858	1/4	59,904	1/4	74,967	1/4	90,030	1/4	105,093	1/4	120,151	1/4	135,206	1/4	150,262
1/2	15,066	1/2	30,127	1/2	45,171	1/2	60,218	1/2	75,281	1/2	90,344	1/2	105,407	1/2	120,465	1/2	135,520	1/2	150,575
3/4	15,380	3/4	30,441	3/4	45,484	3/4	60,531	3/4	75,594	3/4	90,657	3/4	105,720	3/4	120,778	3/4	135,834	3/4	150,889

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 INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HFL 3011"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	151,203	0	166,258	0	181,303	0	196,307	0	211,215	0		0		0		0		0	
1/4	151,516	1/4	166,572	1/4	181,616	1/4	196,620	1/4	211,495	1/4		1/4		1/4		1/4		1/4	
1/2	151,830	1/2	166,886	1/2	181,928	1/2	196,933	1/2	211,774	1/2		1/2		1/2		1/2		1/2	
3/4	152,144	3/4	167,199	3/4	182,241	3/4	197,245	3/4	212,054	3/4		3/4		3/4		3/4		3/4	
1	152,457	1	167,513	1	182,553	1	197,558	1	212,334	1		1		1		1		1	
1/4	152,771	1/4	167,827	1/4	182,866	1/4	197,870	1/4	212,565	1/4		1/4		1/4		1/4		1/4	
1/2	153,085	1/2	168,140	1/2	183,179	1/2	198,183	1/2	212,796	1/2		1/2		1/2		1/2		1/2	
3/4	153,398	3/4	168,454	3/4	183,491	3/4	198,496	3/4	213,028	3/4		3/4		3/4		3/4		3/4	
2	153,712	2	168,768	2	183,804	2	198,808	2	213,259	2		2		2		2		2	
1/4	154,026	1/4	169,081	1/4	184,116	1/4	199,121	1/4	213,438	1/4		1/4		1/4		1/4		1/4	
1/2	154,339	1/2	169,395	1/2	184,429	1/2	199,433	1/2	213,616	1/2		1/2		1/2		1/2		1/2	
3/4	154,653	3/4	169,708	3/4	184,742	3/4	199,746	3/4	213,795	3/4		3/4		3/4		3/4		3/4	
3	154,967	3	170,022	3	185,054	3	200,059	3	213,974	3		3		3		3		3	
1/4	155,280	1/4	170,336	1/4	185,367	1/4	200,371	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,594	1/2	170,649	1/2	185,679	1/2	200,684	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,908	3/4	170,963	3/4	185,992	3/4	200,996	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,221	4	171,277	4	186,305	4	201,309	4		4		4		4		4		4	
1/4	156,535	1/4	171,590	1/4	186,617	1/4	201,622	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,849	1/2	171,904	1/2	186,930	1/2	201,934	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,162	3/4	172,218	3/4	187,242	3/4	202,247	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,476	5	172,531	5	187,555	5	202,559	5		5		5		5		5		5	
1/4	157,790	1/4	172,845	1/4	187,867	1/4	202,870	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,103	1/2	173,159	1/2	188,180	1/2	203,181	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,417	3/4	173,472	3/4	188,493	3/4	203,492	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,731	6	173,786	6	188,805	6	203,803	6		6		6		6		6		6	
1/4	159,044	1/4	174,100	1/4	189,118	1/4	204,113	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,358	1/2	174,413	1/2	189,430	1/2	204,422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,672	3/4	174,727	3/4	189,743	3/4	204,732	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,985	7	175,041	7	190,056	7	205,041	7		7		7		7		7		7	
1/4	160,299	1/4	175,354	1/4	190,368	1/4	205,351	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,612	1/2	175,668	1/2	190,681	1/2	205,661	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,926	3/4	175,982	3/4	190,993	3/4	205,970	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,240	8	176,295	8	191,306	8	206,280	8		8		8		8		8		8	
1/4	161,553	1/4	176,609	1/4	191,619	1/4	206,589	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,867	1/2	176,923	1/2	191,931	1/2	206,899	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,181	3/4	177,236	3/4	192,244	3/4	207,209	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,494	9	177,550	9	192,556	9	207,518	9		9		9		9		9		9	
1/4	162,808	1/4	177,863	1/4	192,869	1/4	207,828	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,122	1/2	178,176	1/2	193,182	1/2	208,137	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,435	3/4	178,489	3/4	193,494	3/4	208,447	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,749	10	178,802	10	193,807	10	208,757	10		10		10		10		10		10	
1/4	164,063	1/4	179,115	1/4	194,119	1/4	209,066	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,376	1/2	179,428	1/2	194,432	1/2	209,375	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,690	3/4	179,740	3/4	194,745	3/4	209,684	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,004	11	180,053	11	195,057	11	209,993	11		11		11		11		11		11	
1/4	165,317	1/4	180,365	1/4	195,370	1/4	210,299	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,631	1/2	180,678	1/2	195,682	1/2	210,604	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,945	3/4	180,990	3/4	195,995	3/4	210,910	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HFL 3011"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	1,031	0	15,686	0	30,739	0	45,421	0	59,897	0	74,741	0	89,797	0	104,852	0	119,903	0	134,951
1/4	1,266	1/4	15,999	1/4	31,052	1/4	45,722	1/4	60,199	1/4	75,055	1/4	90,110	1/4	105,166	1/4	120,216	1/4	135,264
1/2	1,501	1/2	16,313	1/2	31,366	1/2	46,023	1/2	60,501	1/2	75,368	1/2	90,424	1/2	105,480	1/2	120,530	1/2	135,578
3/4	1,737	3/4	16,627	3/4	31,680	3/4	46,324	3/4	60,803	3/4	75,682	3/4	90,738	3/4	105,793	3/4	120,843	3/4	135,891
1	1,972	1	16,940	1	31,993	1	46,625	1	61,105	1	75,996	1	91,051	1	106,107	1	121,157	1	136,205
1/4	2,265	1/4	17,254	1/4	32,307	1/4	46,926	1/4	61,407	1/4	76,309	1/4	91,365	1/4	106,421	1/4	121,470	1/4	136,518
1/2	2,558	1/2	17,568	1/2	32,621	1/2	47,227	1/2	61,708	1/2	76,623	1/2	91,679	1/2	106,734	1/2	121,784	1/2	136,832
3/4	2,851	3/4	17,881	3/4	32,934	3/4	47,528	3/4	62,010	3/4	76,937	3/4	91,992	3/4	107,048	3/4	122,097	3/4	137,146
2	3,145	2	18,195	2	33,248	2	47,828	2	62,312	2	77,250	2	92,306	2	107,362	2	122,411	2	137,459
1/4	3,457	1/4	18,509	1/4	33,562	1/4	48,130	1/4	62,614	1/4	77,564	1/4	92,620	1/4	107,675	1/4	122,724	1/4	137,773
1/2	3,770	1/2	18,822	1/2	33,875	1/2	48,431	1/2	62,916	1/2	77,878	1/2	92,933	1/2	107,989	1/2	123,038	1/2	138,086
3/4	4,083	3/4	19,136	3/4	34,189	3/4	48,732	3/4	63,218	3/4	78,191	3/4	93,247	3/4	108,303	3/4	123,351	3/4	138,400
3	4,395	3	19,450	3	34,502	3	49,033	3	63,520	3	78,505	3	93,561	3	108,616	3	123,665	3	138,713
1/4	4,709	1/4	19,763	1/4	34,816	1/4	49,334	1/4	63,822	1/4	78,819	1/4	93,874	1/4	108,930	1/4	123,978	1/4	139,027
1/2	5,022	1/2	20,077	1/2	35,130	1/2	49,635	1/2	64,124	1/2	79,132	1/2	94,188	1/2	109,244	1/2	124,292	1/2	139,340
3/4	5,336	3/4	20,390	3/4	35,443	3/4	49,936	3/4	64,426	3/4	79,446	3/4	94,502	3/4	109,557	3/4	124,605	3/4	139,654
4	5,649	4	20,704	4	35,757	4	50,238	4	64,727	4	79,760	4	94,815	4	109,871	4	124,919	4	139,967
1/4	5,963	1/4	21,018	1/4	36,065	1/4	50,539	1/4	65,035	1/4	80,073	1/4	95,129	1/4	110,184	1/4	125,232	1/4	140,281
1/2	6,276	1/2	21,331	1/2	36,373	1/2	50,841	1/2	65,343	1/2	80,387	1/2	95,443	1/2	110,498	1/2	125,546	1/2	140,594
3/4	6,590	3/4	21,645	3/4	36,680	3/4	51,142	3/4	65,651	3/4	80,701	3/4	95,756	3/4	110,811	3/4	125,859	3/4	140,908
5	6,903	5	21,959	5	36,988	5	51,444	5	65,959	5	81,014	5	96,070	5	111,125	5	126,173	5	141,221
1/4	7,217	1/4	22,272	1/4	37,290	1/4	51,746	1/4	66,272	1/4	81,328	1/4	96,384	1/4	111,438	1/4	126,486	1/4	141,535
1/2	7,531	1/2	22,586	1/2	37,592	1/2	52,048	1/2	66,586	1/2	81,642	1/2	96,697	1/2	111,752	1/2	126,800	1/2	141,848
3/4	7,844	3/4	22,900	3/4	37,894	3/4	52,349	3/4	66,900	3/4	81,955	3/4	97,011	3/4	112,065	3/4	127,113	3/4	142,162
6	8,158	6	23,213	6	38,196	6	52,651	6	67,213	6	82,269	6	97,325	6	112,379	6	127,427	6	142,475
1/4	8,472	1/4	23,527	1/4	38,497	1/4	52,953	1/4	67,527	1/4	82,583	1/4	97,638	1/4	112,692	1/4	127,740	1/4	142,789
1/2	8,785	1/2	23,841	1/2	38,799	1/2	53,255	1/2	67,841	1/2	82,896	1/2	97,952	1/2	113,006	1/2	128,054	1/2	143,102
3/4	9,099	3/4	24,154	3/4	39,100	3/4	53,557	3/4	68,154	3/4	83,210	3/4	98,266	3/4	113,319	3/4	128,367	3/4	143,416
7	9,413	7	24,468	7	39,401	7	53,859	7	68,468	7	83,524	7	98,579	7	113,633	7	128,681	7	143,729
1/4	9,726	1/4	24,782	1/4	39,702	1/4	54,161	1/4	68,782	1/4	83,837	1/4	98,893	1/4	113,946	1/4	128,994	1/4	144,043
1/2	10,040	1/2	25,095	1/2	40,003	1/2	54,463	1/2	69,095	1/2	84,151	1/2	99,207	1/2	114,260	1/2	129,308	1/2	144,356
3/4	10,354	3/4	25,409	3/4	40,304	3/4	54,765	3/4	69,409	3/4	84,465	3/4	99,520	3/4	114,573	3/4	129,621	3/4	144,670
8	10,667	8	25,723	8	40,605	8	55,067	8	69,723	8	84,778	8	99,834	8	114,887	8	129,935	8	144,983
1/4	10,981	1/4	26,036	1/4	40,906	1/4	55,368	1/4	70,036	1/4	85,092	1/4	100,148	1/4	115,200	1/4	130,248	1/4	145,297
1/2	11,295	1/2	26,350	1/2	41,207	1/2	55,670	1/2	70,350	1/2	85,406	1/2	100,461	1/2	115,514	1/2	130,562	1/2	145,610
3/4	11,608	3/4	26,663	3/4	41,508	3/4	55,972	3/4	70,663	3/4	85,719	3/4	100,775	3/4	115,827	3/4	130,875	3/4	145,924
9	11,922	9	26,977	9	41,809	9	56,274	9	70,977	9	86,033	9	101,089	9	116,141	9	131,189	9	146,237
1/4	12,236	1/4	27,290	1/4	42,110	1/4	56,576	1/4	71,291	1/4	86,347	1/4	101,402	1/4	116,454	1/4	131,502	1/4	146,551
1/2	12,549	1/2	27,604	1/2	42,411	1/2	56,878	1/2	71,604	1/2	86,660	1/2	101,716	1/2	116,768	1/2	131,816	1/2	146,864
3/4	12,863	3/4	27,917	3/4	42,712	3/4	57,180	3/4	71,918	3/4	86,974	3/4	102,030	3/4	117,081	3/4	132,129	3/4	147,178
10	13,177	10	28,231	10	43,013	10	57,482	10	72,232	10	87,287	10	102,343	10	117,395	10	132,443	10	147,491
1/4	13,490	1/4	28,544	1/4	43,314	1/4	57,784	1/4	72,545	1/4	87,601	1/4	102,657	1/4	117,708	1/4	132,756	1/4	147,805
1/2	13,804	1/2	28,857	1/2	43,615	1/2	58,086	1/2	72,859	1/2	87,915	1/2	102,971	1/2	118,022	1/2	133,070	1/2	148,118
3/4	14,117	3/4	29,171	3/4	43,916	3/4	58,388	3/4	73,173	3/4	88,228	3/4	103,284	3/4	118,335	3/4	133,383	3/4	148,432
11	14,431	11	29,484	11	44,217	11	58,689	11	73,486	11	88,542	11	103,598	11	118,649	11	133,697	11	148,745
1/4	14,745	1/4	29,798	1/4	44,518	1/4	58,991	1/4	73,800	1/4	88,856	1/4	103,911	1/4	118,962	1/4	134,010	1/4	149,059
1/2	15,058	1/2	30,112	1/2	44,819	1/2	59,293	1/2	74,114	1/2	89,169	1/2	104,225	1/2	119,276	1/2	134,324	1/2	149,372
3/4	15,372	3/4	30,425	3/4	45,120	3/4	59,595	3/4	74,427	3/4	89,483	3/4	104,539	3/4	119,589	3/4	134,637	3/4	149,686

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 INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HFL 3011"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	149,999	0	165,047	0	180,085	0	195,082	0	209,982	0		0		0		0		0	
1/4	150,313	1/4	165,361	1/4	180,397	1/4	195,394	1/4	210,262	1/4		1/4		1/4		1/4		1/4	
1/2	150,626	1/2	165,674	1/2	180,710	1/2	195,707	1/2	210,541	1/2		1/2		1/2		1/2		1/2	
3/4	150,940	3/4	165,988	3/4	181,022	3/4	196,019	3/4	210,821	3/4		3/4		3/4		3/4		3/4	
1	151,253	1	166,301	1	181,335	1	196,332	1	211,100	1		1		1		1		1	
1/4	151,567	1/4	166,615	1/4	181,647	1/4	196,644	1/4	211,332	1/4		1/4		1/4		1/4		1/4	
1/2	151,880	1/2	166,928	1/2	181,959	1/2	196,956	1/2	211,563	1/2		1/2		1/2		1/2		1/2	
3/4	152,194	3/4	167,242	3/4	182,272	3/4	197,269	3/4	211,794	3/4		3/4		3/4		3/4		3/4	
2	152,507	2	167,555	2	182,584	2	197,581	2	212,025	2		2		2		2		2	
1/4	152,821	1/4	167,869	1/4	182,897	1/4	197,894	1/4	212,204	1/4		1/4		1/4		1/4		1/4	
1/2	153,134	1/2	168,182	1/2	183,209	1/2	198,206	1/2	212,382	1/2		1/2		1/2		1/2		1/2	
3/4	153,448	3/4	168,496	3/4	183,522	3/4	198,519	3/4	212,561	3/4		3/4		3/4		3/4		3/4	
3	153,761	3	168,809	3	183,834	3	198,831	3	212,740	3		3		3		3		3	
1/4	154,075	1/4	169,123	1/4	184,146	1/4	199,144	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,388	1/2	169,436	1/2	184,459	1/2	199,456	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,702	3/4	169,750	3/4	184,771	3/4	199,768	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,015	4	170,063	4	185,084	4	200,081	4		4		4		4		4		4	
1/4	155,329	1/4	170,377	1/4	185,396	1/4	200,393	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,642	1/2	170,690	1/2	185,709	1/2	200,706	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,956	3/4	171,004	3/4	186,021	3/4	201,018	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,269	5	171,317	5	186,334	5	201,331	5		5		5		5		5		5	
1/4	156,583	1/4	171,631	1/4	186,646	1/4	201,642	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,896	1/2	171,944	1/2	186,958	1/2	201,952	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,210	3/4	172,258	3/4	187,271	3/4	202,263	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,523	6	172,571	6	187,583	6	202,574	6		6		6		6		6		6	
1/4	157,837	1/4	172,885	1/4	187,896	1/4	202,884	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,150	1/2	173,198	1/2	188,208	1/2	203,193	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,464	3/4	173,512	3/4	188,521	3/4	203,502	3/4		3/4		3/4		3/4		3/4		3/4	
7	158,777	7	173,825	7	188,833	7	203,812	7		7		7		7		7		7	
1/4	159,091	1/4	174,139	1/4	189,146	1/4	204,121	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,404	1/2	174,452	1/2	189,458	1/2	204,430	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,718	3/4	174,766	3/4	189,770	3/4	204,740	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,031	8	175,079	8	190,083	8	205,049	8		8		8		8		8		8	
1/4	160,345	1/4	175,393	1/4	190,395	1/4	205,359	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,658	1/2	175,706	1/2	190,708	1/2	205,668	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,972	3/4	176,020	3/4	191,020	3/4	205,978	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,285	9	176,333	9	191,333	9	206,287	9		9		9		9		9		9	
1/4	161,599	1/4	176,646	1/4	191,645	1/4	206,597	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,912	1/2	176,959	1/2	191,957	1/2	206,906	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,226	3/4	177,272	3/4	192,270	3/4	207,216	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,539	10	177,585	10	192,582	10	207,525	10		10		10		10		10		10	
1/4	162,853	1/4	177,898	1/4	192,895	1/4	207,834	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,166	1/2	178,210	1/2	193,207	1/2	208,143	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,480	3/4	178,523	3/4	193,520	3/4	208,452	3/4		3/4		3/4		3/4		3/4		3/4	
11	163,793	11	178,835	11	193,832	11	208,761	11		11		11		11		11		11	
1/4	164,107	1/4	179,147	1/4	194,145	1/4	209,066	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,420	1/2	179,460	1/2	194,457	1/2	209,372	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,734	3/4	179,772	3/4	194,769	3/4	209,677	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HFL 3011"

1 STBD INNAGE 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	386	0	13,274	0	28,225	0	43,273	0	58,316	0	73,361	0	88,409	0	103,458	0	118,501	0	133,543
1/4	563	1/4	13,576	1/4	28,538	1/4	43,586	1/4	58,629	1/4	73,675	1/4	88,723	1/4	103,771	1/4	118,814	1/4	133,856
1/2	740	1/2	13,878	1/2	28,852	1/2	43,900	1/2	58,942	1/2	73,988	1/2	89,036	1/2	104,085	1/2	119,128	1/2	134,169
3/4	918	3/4	14,179	3/4	29,165	3/4	44,213	3/4	59,256	3/4	74,302	3/4	89,350	3/4	104,398	3/4	119,441	3/4	134,483
1	1,095	1	14,481	1	29,479	1	44,527	1	59,569	1	74,615	1	89,663	1	104,712	1	119,755	1	134,796
1/4	1,334	1/4	14,787	1/4	29,792	1/4	44,840	1/4	59,882	1/4	74,929	1/4	89,977	1/4	105,025	1/4	120,068	1/4	135,110
1/2	1,573	1/2	15,093	1/2	30,106	1/2	45,154	1/2	60,196	1/2	75,242	1/2	90,290	1/2	105,339	1/2	120,381	1/2	135,423
3/4	1,812	3/4	15,399	3/4	30,419	3/4	45,467	3/4	60,509	3/4	75,556	3/4	90,604	3/4	105,652	3/4	120,695	3/4	135,736
2	2,051	2	15,704	2	30,733	2	45,781	2	60,822	2	75,869	2	90,917	2	105,966	2	121,008	2	136,050
1/4	2,313	1/4	16,014	1/4	31,046	1/4	46,094	1/4	61,135	1/4	76,183	1/4	91,231	1/4	106,279	1/4	121,321	1/4	136,363
1/2	2,576	1/2	16,324	1/2	31,360	1/2	46,408	1/2	61,449	1/2	76,496	1/2	91,544	1/2	106,593	1/2	121,635	1/2	136,676
3/4	2,838	3/4	16,633	3/4	31,673	3/4	46,721	3/4	61,762	3/4	76,810	3/4	91,858	3/4	106,906	3/4	121,948	3/4	136,990
3	3,101	3	16,943	3	31,987	3	47,035	3	62,075	3	77,123	3	92,171	3	107,220	3	122,262	3	137,303
1/4	3,367	1/4	17,256	1/4	32,300	1/4	47,348	1/4	62,389	1/4	77,437	1/4	92,485	1/4	107,533	1/4	122,575	1/4	137,617
1/2	3,634	1/2	17,568	1/2	32,614	1/2	47,662	1/2	62,702	1/2	77,750	1/2	92,798	1/2	107,846	1/2	122,888	1/2	137,930
3/4	3,901	3/4	17,881	3/4	32,927	3/4	47,975	3/4	63,016	3/4	78,064	3/4	93,112	3/4	108,160	3/4	123,202	3/4	138,243
4	4,168	4	18,193	4	33,241	4	48,289	4	63,329	4	78,377	4	93,425	4	108,473	4	123,515	4	138,557
1/4	4,439	1/4	18,507	1/4	33,554	1/4	48,602	1/4	63,643	1/4	78,691	1/4	93,739	1/4	108,787	1/4	123,828	1/4	138,870
1/2	4,710	1/2	18,820	1/2	33,868	1/2	48,916	1/2	63,956	1/2	79,004	1/2	94,052	1/2	109,100	1/2	124,142	1/2	139,183
3/4	4,981	3/4	19,134	3/4	34,181	3/4	49,229	3/4	64,270	3/4	79,318	3/4	94,366	3/4	109,413	3/4	124,455	3/4	139,497
5	5,252	5	19,447	5	34,495	5	49,543	5	64,583	5	79,631	5	94,679	5	109,727	5	124,768	5	139,810
1/4	5,527	1/4	19,761	1/4	34,808	1/4	49,856	1/4	64,897	1/4	79,945	1/4	94,993	1/4	110,040	1/4	125,082	1/4	140,124
1/2	5,802	1/2	20,074	1/2	35,122	1/2	50,169	1/2	65,210	1/2	80,258	1/2	95,307	1/2	110,354	1/2	125,395	1/2	140,437
3/4	6,077	3/4	20,388	3/4	35,435	3/4	50,483	3/4	65,524	3/4	80,572	3/4	95,620	3/4	110,667	3/4	125,709	3/4	140,750
6	6,352	6	20,701	6	35,749	6	50,796	6	65,837	6	80,885	6	95,934	6	110,980	6	126,022	6	141,064
1/4	6,631	1/4	21,015	1/4	36,062	1/4	51,110	1/4	66,151	1/4	81,199	1/4	96,247	1/4	111,294	1/4	126,335	1/4	141,377
1/2	6,909	1/2	21,328	1/2	36,376	1/2	51,423	1/2	66,464	1/2	81,512	1/2	96,561	1/2	111,607	1/2	126,649	1/2	141,690
3/4	7,188	3/4	21,642	3/4	36,689	3/4	51,737	3/4	66,778	3/4	81,826	3/4	96,874	3/4	111,920	3/4	126,962	3/4	142,004
7	7,467	7	21,955	7	37,003	7	52,050	7	67,091	7	82,139	7	97,188	7	112,234	7	127,275	7	142,317
1/4	7,750	1/4	22,269	1/4	37,316	1/4	52,364	1/4	67,405	1/4	82,453	1/4	97,501	1/4	112,547	1/4	127,589	1/4	142,630
1/2	8,032	1/2	22,582	1/2	37,630	1/2	52,677	1/2	67,718	1/2	82,766	1/2	97,815	1/2	112,860	1/2	127,902	1/2	142,944
3/4	8,315	3/4	22,896	3/4	37,943	3/4	52,990	3/4	68,032	3/4	83,080	3/4	98,128	3/4	113,174	3/4	128,215	3/4	143,257
8	8,597	8	23,209	8	38,257	8	53,304	8	68,345	8	83,393	8	98,442	8	113,487	8	128,529	8	143,571
1/4	8,884	1/4	23,523	1/4	38,570	1/4	53,617	1/4	68,659	1/4	83,707	1/4	98,755	1/4	113,801	1/4	128,842	1/4	143,884
1/2	9,170	1/2	23,836	1/2	38,884	1/2	53,930	1/2	68,972	1/2	84,020	1/2	99,069	1/2	114,114	1/2	129,156	1/2	144,197
3/4	9,457	3/4	24,150	3/4	39,197	3/4	54,243	3/4	69,286	3/4	84,334	3/4	99,382	3/4	114,427	3/4	129,469	3/4	144,511
9	9,743	9	24,463	9	39,511	9	54,557	9	69,599	9	84,647	9	99,696	9	114,741	9	129,782	9	144,824
1/4	10,034	1/4	24,777	1/4	39,824	1/4	54,870	1/4	69,913	1/4	84,961	1/4	100,009	1/4	115,054	1/4	130,096	1/4	145,137
1/2	10,324	1/2	25,090	1/2	40,138	1/2	55,183	1/2	70,226	1/2	85,274	1/2	100,323	1/2	115,367	1/2	130,409	1/2	145,451
3/4	10,614	3/4	25,403	3/4	40,451	3/4	55,496	3/4	70,540	3/4	85,588	3/4	100,636	3/4	115,681	3/4	130,722	3/4	145,764
10	10,905	10	25,717	10	40,765	10	55,810	10	70,853	10	85,901	10	100,950	10	115,994	10	131,036	10	146,078
1/4	11,199	1/4	26,030	1/4	41,078	1/4	56,123	1/4	71,167	1/4	86,215	1/4	101,263	1/4	116,308	1/4	131,349	1/4	146,391
1/2	11,493	1/2	26,344	1/2	41,392	1/2	56,436	1/2	71,480	1/2	86,528	1/2	101,577	1/2	116,621	1/2	131,663	1/2	146,704
3/4	11,787	3/4	26,657	3/4	41,705	3/4	56,750	3/4	71,794	3/4	86,842	3/4	101,890	3/4	116,934	3/4	131,976	3/4	147,018
11	12,082	11	26,971	11	42,019	11	57,063	11	72,107	11	87,155	11	102,204	11	117,248	11	132,289	11	147,331
1/4	12,380	1/4	27,284	1/4	42,332	1/4	57,376	1/4	72,421	1/4	87,469	1/4	102,517	1/4	117,561	1/4	132,603	1/4	147,644
1/2	12,678	1/2	27,598	1/2	42,646	1/2	57,689	1/2	72,734	1/2	87,782	1/2	102,831	1/2	117,874	1/2	132,916	1/2	147,958
3/4	12,976	3/4	27,911	3/4	42,959	3/4	58,003	3/4	73,048	3/4	88,096	3/4	103,144	3/4	118,188	3/4	133,229	3/4	148,271

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 INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "HFL 3011"

1 STBD INNAGE 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	148,585	0	163,626	0	178,659	0	193,657	0	208,583	0		0		0		0		0	
1/4	148,898	1/4	163,940	1/4	178,972	1/4	193,970	1/4	208,863	1/4		1/4		1/4		1/4		1/4	
1/2	149,211	1/2	164,253	1/2	179,284	1/2	194,282	1/2	209,144	1/2		1/2		1/2		1/2		1/2	
3/4	149,525	3/4	164,567	3/4	179,597	3/4	194,595	3/4	209,424	3/4		3/4		3/4		3/4		3/4	
1	149,838	1	164,880	1	179,909	1	194,907	1	209,705	1		1		1		1		1	
1/4	150,151	1/4	165,193	1/4	180,221	1/4	195,220	1/4	209,937	1/4		1/4		1/4		1/4		1/4	
1/2	150,465	1/2	165,507	1/2	180,534	1/2	195,532	1/2	210,169	1/2		1/2		1/2		1/2		1/2	
3/4	150,778	3/4	165,820	3/4	180,846	3/4	195,844	3/4	210,401	3/4		3/4		3/4		3/4		3/4	
2	151,092	2	166,133	2	181,159	2	196,157	2	210,633	2		2		2		2		2	
1/4	151,405	1/4	166,447	1/4	181,471	1/4	196,469	1/4	210,813	1/4		1/4		1/4		1/4		1/4	
1/2	151,718	1/2	166,760	1/2	181,784	1/2	196,782	1/2	210,993	1/2		1/2		1/2		1/2		1/2	
3/4	152,032	3/4	167,074	3/4	182,096	3/4	197,094	3/4	211,173	3/4		3/4		3/4		3/4		3/4	
3	152,345	3	167,387	3	182,409	3	197,407	3	211,352	3		3		3		3		3	
1/4	152,658	1/4	167,700	1/4	182,721	1/4	197,719	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,972	1/2	168,014	1/2	183,034	1/2	198,032	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,285	3/4	168,327	3/4	183,346	3/4	198,344	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,599	4	168,640	4	183,659	4	198,657	4		4		4		4		4		4	
1/4	153,912	1/4	168,954	1/4	183,971	1/4	198,969	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,225	1/2	169,267	1/2	184,283	1/2	199,281	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,539	3/4	169,581	3/4	184,596	3/4	199,594	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,852	5	169,894	5	184,908	5	199,906	5		5		5		5		5		5	
1/4	155,165	1/4	170,207	1/4	185,221	1/4	200,218	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,479	1/2	170,521	1/2	185,533	1/2	200,529	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,792	3/4	170,834	3/4	185,846	3/4	200,841	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,106	6	171,147	6	186,158	6	201,152	6		6		6		6		6		6	
1/4	156,419	1/4	171,461	1/4	186,471	1/4	201,462	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,732	1/2	171,774	1/2	186,783	1/2	201,773	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,046	3/4	172,088	3/4	187,096	3/4	202,083	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,359	7	172,401	7	187,408	7	202,393	7		7		7		7		7		7	
1/4	157,672	1/4	172,714	1/4	187,720	1/4	202,704	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,986	1/2	173,028	1/2	188,033	1/2	203,014	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,299	3/4	173,341	3/4	188,345	3/4	203,324	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,612	8	173,654	8	188,658	8	203,635	8		8		8		8		8		8	
1/4	158,926	1/4	173,968	1/4	188,970	1/4	203,945	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,239	1/2	174,281	1/2	189,283	1/2	204,256	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,553	3/4	174,594	3/4	189,595	3/4	204,566	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,866	9	174,908	9	189,908	9	204,877	9		9		9		9		9		9	
1/4	160,179	1/4	175,221	1/4	190,220	1/4	205,187	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,493	1/2	175,534	1/2	190,533	1/2	205,497	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,806	3/4	175,847	3/4	190,845	3/4	205,808	3/4		3/4		3/4		3/4		3/4		3/4	
10	161,119	10	176,160	10	191,158	10	206,118	10		10		10		10		10		10	
1/4	161,433	1/4	176,472	1/4	191,470	1/4	206,428	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,746	1/2	176,784	1/2	191,782	1/2	206,738	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,060	3/4	177,097	3/4	192,095	3/4	207,048	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,373	11	177,409	11	192,407	11	207,358	11		11		11		11		11		11	
1/4	162,686	1/4	177,722	1/4	192,720	1/4	207,664	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,000	1/2	178,034	1/2	193,032	1/2	207,970	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,313	3/4	178,347	3/4	193,345	3/4	208,276	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

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



BARGE "HFL 3011"

1 PORT INNAGE 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	386	0	13,271	0	28,219	0	43,263	0	58,246	0	73,248	0	88,292	0	103,337	0	118,377	0	133,416
1/4	563	1/4	13,573	1/4	28,532	1/4	43,576	1/4	58,557	1/4	73,561	1/4	88,606	1/4	103,651	1/4	118,691	1/4	133,729
1/2	740	1/2	13,874	1/2	28,845	1/2	43,890	1/2	58,868	1/2	73,874	1/2	88,919	1/2	103,964	1/2	119,004	1/2	134,042
3/4	917	3/4	14,176	3/4	29,159	3/4	44,203	3/4	59,179	3/4	74,188	3/4	89,233	3/4	104,277	3/4	119,317	3/4	134,355
1	1,094	1	14,478	1	29,472	1	44,517	1	59,490	1	74,501	1	89,546	1	104,591	1	119,630	1	134,669
1/4	1,334	1/4	14,784	1/4	29,786	1/4	44,830	1/4	59,801	1/4	74,815	1/4	89,859	1/4	104,904	1/4	119,944	1/4	134,982
1/2	1,573	1/2	15,089	1/2	30,099	1/2	45,143	1/2	60,112	1/2	75,128	1/2	90,173	1/2	105,218	1/2	120,257	1/2	135,295
3/4	1,812	3/4	15,395	3/4	30,413	3/4	45,457	3/4	60,423	3/4	75,442	3/4	90,486	3/4	105,531	3/4	120,570	3/4	135,609
2	2,051	2	15,701	2	30,726	2	45,770	2	60,734	2	75,755	2	90,800	2	105,845	2	120,884	2	135,922
1/4	2,313	1/4	16,010	1/4	31,039	1/4	46,084	1/4	61,045	1/4	76,068	1/4	91,113	1/4	106,158	1/4	121,197	1/4	136,235
1/2	2,575	1/2	16,320	1/2	31,353	1/2	46,397	1/2	61,356	1/2	76,382	1/2	91,427	1/2	106,471	1/2	121,510	1/2	136,549
3/4	2,837	3/4	16,630	3/4	31,666	3/4	46,711	3/4	61,667	3/4	76,695	3/4	91,740	3/4	106,785	3/4	121,824	3/4	136,862
3	3,100	3	16,939	3	31,980	3	47,024	3	61,978	3	77,009	3	92,054	3	107,098	3	122,137	3	137,175
1/4	3,367	1/4	17,252	1/4	32,293	1/4	47,337	1/4	62,290	1/4	77,322	1/4	92,367	1/4	107,412	1/4	122,450	1/4	137,488
1/2	3,633	1/2	17,564	1/2	32,606	1/2	47,651	1/2	62,601	1/2	77,636	1/2	92,680	1/2	107,725	1/2	122,763	1/2	137,802
3/4	3,900	3/4	17,877	3/4	32,920	3/4	47,964	3/4	62,912	3/4	77,949	3/4	92,994	3/4	108,038	3/4	123,077	3/4	138,115
4	4,167	4	18,189	4	33,233	4	48,278	4	63,223	4	78,262	4	93,307	4	108,352	4	123,390	4	138,428
1/4	4,438	1/4	18,502	1/4	33,547	1/4	48,590	1/4	63,536	1/4	78,576	1/4	93,621	1/4	108,665	1/4	123,703	1/4	138,742
1/2	4,709	1/2	18,816	1/2	33,860	1/2	48,903	1/2	63,848	1/2	78,889	1/2	93,934	1/2	108,978	1/2	124,017	1/2	139,055
3/4	4,980	3/4	19,129	3/4	34,174	3/4	49,216	3/4	64,160	3/4	79,203	3/4	94,248	3/4	109,292	3/4	124,330	3/4	139,368
5	5,251	5	19,443	5	34,487	5	49,528	5	64,472	5	79,516	5	94,561	5	109,605	5	124,643	5	139,682
1/4	5,526	1/4	19,756	1/4	34,800	1/4	49,840	1/4	64,785	1/4	79,830	1/4	94,874	1/4	109,918	1/4	124,957	1/4	139,995
1/2	5,801	1/2	20,070	1/2	35,114	1/2	50,152	1/2	65,099	1/2	80,143	1/2	95,188	1/2	110,232	1/2	125,270	1/2	140,308
3/4	6,076	3/4	20,383	3/4	35,427	3/4	50,464	3/4	65,412	3/4	80,456	3/4	95,501	3/4	110,545	3/4	125,583	3/4	140,621
6	6,350	6	20,696	6	35,741	6	50,776	6	65,725	6	80,770	6	95,815	6	110,858	6	125,896	6	140,935
1/4	6,629	1/4	21,010	1/4	36,054	1/4	51,088	1/4	66,039	1/4	81,083	1/4	96,128	1/4	111,171	1/4	126,210	1/4	141,248
1/2	6,908	1/2	21,323	1/2	36,368	1/2	51,400	1/2	66,352	1/2	81,397	1/2	96,442	1/2	111,485	1/2	126,523	1/2	141,561
3/4	7,186	3/4	21,637	3/4	36,681	3/4	51,712	3/4	66,665	3/4	81,710	3/4	96,755	3/4	111,798	3/4	126,836	3/4	141,875
7	7,465	7	21,950	7	36,994	7	52,023	7	66,979	7	82,024	7	97,068	7	112,111	7	127,150	7	142,188
1/4	7,748	1/4	22,263	1/4	37,308	1/4	52,335	1/4	67,292	1/4	82,337	1/4	97,382	1/4	112,425	1/4	127,463	1/4	142,501
1/2	8,030	1/2	22,577	1/2	37,621	1/2	52,646	1/2	67,606	1/2	82,651	1/2	97,695	1/2	112,738	1/2	127,776	1/2	142,815
3/4	8,313	3/4	22,890	3/4	37,935	3/4	52,957	3/4	67,919	3/4	82,964	3/4	98,009	3/4	113,051	3/4	128,090	3/4	143,128
8	8,595	8	23,204	8	38,248	8	53,269	8	68,233	8	83,277	8	98,322	8	113,365	8	128,403	8	143,441
1/4	8,882	1/4	23,517	1/4	38,562	1/4	53,580	1/4	68,546	1/4	83,591	1/4	98,636	1/4	113,678	1/4	128,716	1/4	143,754
1/2	9,168	1/2	23,831	1/2	38,875	1/2	53,891	1/2	68,859	1/2	83,904	1/2	98,949	1/2	113,991	1/2	129,029	1/2	144,068
3/4	9,455	3/4	24,144	3/4	39,188	3/4	54,202	3/4	69,173	3/4	84,218	3/4	99,262	3/4	114,304	3/4	129,343	3/4	144,381
9	9,741	9	24,457	9	39,502	9	54,513	9	69,486	9	84,531	9	99,576	9	114,618	9	129,656	9	144,694
1/4	10,031	1/4	24,771	1/4	39,815	1/4	54,824	1/4	69,800	1/4	84,845	1/4	99,889	1/4	114,931	1/4	129,969	1/4	145,008
1/2	10,322	1/2	25,084	1/2	40,129	1/2	55,135	1/2	70,113	1/2	85,158	1/2	100,203	1/2	115,244	1/2	130,283	1/2	145,321
3/4	10,612	3/4	25,398	3/4	40,442	3/4	55,446	3/4	70,427	3/4	85,471	3/4	100,516	3/4	115,558	3/4	130,596	3/4	145,634
10	10,902	10	25,711	10	40,756	10	55,757	10	70,740	10	85,785	10	100,830	10	115,871	10	130,909	10	145,947
1/4	11,196	1/4	26,025	1/4	41,069	1/4	56,068	1/4	71,053	1/4	86,098	1/4	101,143	1/4	116,184	1/4	131,222	1/4	146,261
1/2	11,490	1/2	26,338	1/2	41,382	1/2	56,379	1/2	71,367	1/2	86,412	1/2	101,457	1/2	116,498	1/2	131,536	1/2	146,574
3/4	11,785	3/4	26,651	3/4	41,696	3/4	56,690	3/4	71,680	3/4	86,725	3/4	101,770	3/4	116,811	3/4	131,849	3/4	146,887
11	12,079	11	26,965	11	42,009	11	57,001	11	71,994	11	87,039	11	102,083	11	117,124	11	132,162	11	147,201
1/4	12,377	1/4	27,278	1/4	42,323	1/4	57,312	1/4	72,307	1/4	87,352	1/4	102,397	1/4	117,437	1/4	132,476	1/4	147,514
1/2	12,675	1/2	27,592	1/2	42,636	1/2	57,623	1/2	72,621	1/2	87,665	1/2	102,710	1/2	117,751	1/2	132,789	1/2	147,827
3/4	12,973	3/4	27,905	3/4	42,949	3/4	57,934	3/4	72,934	3/4	87,979	3/4	103,024	3/4	118,064	3/4	133,102	3/4	148,141

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 INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE

GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "HFL 3011"

1 PORT INNAGE 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	148,454	0	163,492	0	178,521	0	193,516	0	208,438	0		0		0		0		0	
1/4	148,767	1/4	163,805	1/4	178,834	1/4	193,828	1/4	208,718	1/4		1/4		1/4		1/4		1/4	
1/2	149,080	1/2	164,119	1/2	179,146	1/2	194,140	1/2	208,999	1/2		1/2		1/2		1/2		1/2	
3/4	149,394	3/4	164,432	3/4	179,458	3/4	194,453	3/4	209,279	3/4		3/4		3/4		3/4		3/4	
1	149,707	1	164,745	1	179,771	1	194,765	1	209,560	1		1		1		1		1	
1/4	150,020	1/4	165,059	1/4	180,083	1/4	195,078	1/4	209,792	1/4		1/4		1/4		1/4		1/4	
1/2	150,334	1/2	165,372	1/2	180,396	1/2	195,390	1/2	210,024	1/2		1/2		1/2		1/2		1/2	
3/4	150,647	3/4	165,685	3/4	180,708	3/4	195,702	3/4	210,256	3/4		3/4		3/4		3/4		3/4	
2	150,960	2	165,999	2	181,020	2	196,015	2	210,488	2		2		2		2		2	
1/4	151,274	1/4	166,312	1/4	181,333	1/4	196,327	1/4	210,667	1/4		1/4		1/4		1/4		1/4	
1/2	151,587	1/2	166,625	1/2	181,645	1/2	196,640	1/2	210,847	1/2		1/2		1/2		1/2		1/2	
3/4	151,900	3/4	166,938	3/4	181,958	3/4	196,952	3/4	211,027	3/4		3/4		3/4		3/4		3/4	
3	152,213	3	167,252	3	182,270	3	197,264	3	211,207	3		3		3		3		3	
1/4	152,527	1/4	167,565	1/4	182,582	1/4	197,577	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,840	1/2	167,878	1/2	182,895	1/2	197,889	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,153	3/4	168,192	3/4	183,207	3/4	198,201	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,467	4	168,505	4	183,519	4	198,514	4		4		4		4		4		4	
1/4	153,780	1/4	168,818	1/4	183,832	1/4	198,826	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,093	1/2	169,132	1/2	184,144	1/2	199,139	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,407	3/4	169,445	3/4	184,457	3/4	199,451	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,720	5	169,758	5	184,769	5	199,763	5		5		5		5		5		5	
1/4	155,033	1/4	170,071	1/4	185,081	1/4	200,075	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,346	1/2	170,385	1/2	185,394	1/2	200,386	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,660	3/4	170,698	3/4	185,706	3/4	200,697	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,973	6	171,011	6	186,019	6	201,009	6		6		6		6		6		6	
1/4	156,286	1/4	171,325	1/4	186,331	1/4	201,319	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,600	1/2	171,638	1/2	186,643	1/2	201,629	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,913	3/4	171,951	3/4	186,956	3/4	201,939	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,226	7	172,264	7	187,268	7	202,250	7		7		7		7		7		7	
1/4	157,539	1/4	172,578	1/4	187,580	1/4	202,560	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,853	1/2	172,891	1/2	187,893	1/2	202,870	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,166	3/4	173,204	3/4	188,205	3/4	203,181	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,479	8	173,518	8	188,518	8	203,491	8		8		8		8		8		8	
1/4	158,793	1/4	173,831	1/4	188,830	1/4	203,801	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,106	1/2	174,144	1/2	189,142	1/2	204,112	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,419	3/4	174,458	3/4	189,455	3/4	204,422	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,733	9	174,771	9	189,767	9	204,732	9		9		9		9		9		9	
1/4	160,046	1/4	175,084	1/4	190,079	1/4	205,043	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,359	1/2	175,397	1/2	190,392	1/2	205,353	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,672	3/4	175,709	3/4	190,704	3/4	205,663	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,986	10	176,022	10	191,017	10	205,973	10		10		10		10		10		10	
1/4	161,299	1/4	176,335	1/4	191,329	1/4	206,283	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,612	1/2	176,647	1/2	191,641	1/2	206,593	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,926	3/4	176,959	3/4	191,954	3/4	206,903	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,239	11	177,272	11	192,266	11	207,213	11		11		11		11		11		11	
1/4	162,552	1/4	177,584	1/4	192,579	1/4	207,519	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,866	1/2	177,897	1/2	192,891	1/2	207,825	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,179	3/4	178,209	3/4	193,203	3/4	208,131	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

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BARGE "HFL 3011"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	99	0	254	0	406	0		0		0		0		0		0	
1/4	1	1/4	102	1/4	257	1/4	409	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	105	1/2	260	1/2	411	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	108	3/4	264	3/4	414	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	111	1	267	1	417	1		1		1		1		1		1	
1/4	4	1/4	114	1/4	270	1/4	420	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	117	1/2	274	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	120	3/4	277	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	123	2	280	2	428	2		2		2		2		2		2	
1/4	9	1/4	126	1/4	284	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	130	1/2	287	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	133	3/4	290	3/4	435	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	136	3	294	3	438	3		3		3		3		3		3	
1/4	15	1/4	139	1/4	297	1/4	441	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	142	1/2	300	1/2	443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	145	3/4	303	3/4	445	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	148	4	307	4	448	4		4		4		4		4		4	
1/4	22	1/4	152	1/4	310	1/4	450	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	155	1/2	313	1/2	452	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	158	3/4	317	3/4	455	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	161	5	320	5	457	5		5		5		5		5		5	
1/4	30	1/4	164	1/4	323	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	168	1/2	326	1/2	461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	171	3/4	330	3/4	464	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	174	6	333	6	466	6		6		6		6		6		6	
1/4	39	1/4	177	1/4	336	1/4	468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41	1/2	181	1/2	339	1/2	470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	184	3/4	342	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	187	7	346	7	474	7		7		7		7		7		7	
1/4	48	1/4	190	1/4	349	1/4	475	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	194	1/2	352	1/2	477	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	197	3/4	355	3/4	479	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	200	8	358	8	481	8		8		8		8		8		8	
1/4	58	1/4	204	1/4	361	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	207	1/2	364	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	63	3/4	210	3/4	367	3/4	485	3/4		3/4		3/4		3/4		3/4		3/4	
9	66	9	214	9	370	9	487	9		9		9		9		9		9	
1/4	69	1/4	217	1/4	373	1/4	488	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	71	1/2	220	1/2	376	1/2	489	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	74	3/4	224	3/4	380	3/4	490	3/4		3/4		3/4		3/4		3/4		3/4	
10	77	10	227	10	383	10	491	10		10		10		10		10		10	
1/4	80	1/4	230	1/4	386	1/4	492	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	82	1/2	234	1/2	388	1/2	493	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	85	3/4	237	3/4	391	3/4	493	3/4		3/4		3/4		3/4		3/4		3/4	
11	88	11	240	11	394	11	494	11		11		11		11		11		11	
1/4	91	1/4	244	1/4	397	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	247	1/2	400	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	250	3/4	403	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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BARGE "HFL 3011"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2017

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



BARGE "HFL 3011"

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

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