



BARGE "HFL 3009"

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	00-1/8	- 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 INNAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

January 15, 2017

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

<http://www.pmacorp.net>



BARGE "HFL 3009"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 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	386	0	13,279	0	28,237	0	43,291	0	58,283	0	73,295	0	88,349	0	103,404	0	118,454	0	133,502
1/4	563	1/4	13,581	1/4	28,550	1/4	43,604	1/4	58,594	1/4	73,608	1/4	88,663	1/4	103,717	1/4	118,767	1/4	133,815
1/2	741	1/2	13,883	1/2	28,864	1/2	43,918	1/2	58,906	1/2	73,922	1/2	88,977	1/2	104,031	1/2	119,081	1/2	134,129
3/4	918	3/4	14,185	3/4	29,178	3/4	44,232	3/4	59,217	3/4	74,236	3/4	89,290	3/4	104,345	3/4	119,394	3/4	134,442
1	1,095	1	14,487	1	29,491	1	44,545	1	59,528	1	74,549	1	89,604	1	104,658	1	119,708	1	134,756
1/4	1,334	1/4	14,793	1/4	29,805	1/4	44,859	1/4	59,839	1/4	74,863	1/4	89,918	1/4	104,972	1/4	120,021	1/4	135,069
1/2	1,574	1/2	15,099	1/2	30,119	1/2	45,173	1/2	60,151	1/2	75,177	1/2	90,231	1/2	105,286	1/2	120,335	1/2	135,383
3/4	1,813	3/4	15,405	3/4	30,432	3/4	45,486	3/4	60,462	3/4	75,490	3/4	90,545	3/4	105,599	3/4	120,648	3/4	135,696
2	2,052	2	15,711	2	30,746	2	45,800	2	60,773	2	75,804	2	90,858	2	105,913	2	120,962	2	136,010
1/4	2,314	1/4	16,021	1/4	31,059	1/4	46,113	1/4	61,085	1/4	76,118	1/4	91,172	1/4	106,227	1/4	121,275	1/4	136,323
1/2	2,577	1/2	16,331	1/2	31,373	1/2	46,427	1/2	61,396	1/2	76,431	1/2	91,486	1/2	106,540	1/2	121,589	1/2	136,637
3/4	2,839	3/4	16,640	3/4	31,687	3/4	46,741	3/4	61,707	3/4	76,745	3/4	91,799	3/4	106,854	3/4	121,902	3/4	136,950
3	3,102	3	16,950	3	32,000	3	47,054	3	62,018	3	77,058	3	92,113	3	107,167	3	122,216	3	137,264
1/4	3,369	1/4	17,263	1/4	32,314	1/4	47,368	1/4	62,330	1/4	77,372	1/4	92,427	1/4	107,481	1/4	122,529	1/4	137,577
1/2	3,636	1/2	17,575	1/2	32,628	1/2	47,682	1/2	62,641	1/2	77,686	1/2	92,740	1/2	107,795	1/2	122,843	1/2	137,891
3/4	3,903	3/4	17,888	3/4	32,941	3/4	47,995	3/4	62,953	3/4	77,999	3/4	93,054	3/4	108,108	3/4	123,156	3/4	138,204
4	4,170	4	18,201	4	33,255	4	48,309	4	63,264	4	78,313	4	93,368	4	108,422	4	123,470	4	138,518
1/4	4,441	1/4	18,514	1/4	33,568	1/4	48,622	1/4	63,577	1/4	78,627	1/4	93,681	1/4	108,735	1/4	123,783	1/4	138,831
1/2	4,712	1/2	18,828	1/2	33,882	1/2	48,935	1/2	63,889	1/2	78,940	1/2	93,995	1/2	109,049	1/2	124,097	1/2	139,145
3/4	4,983	3/4	19,142	3/4	34,196	3/4	49,248	3/4	64,201	3/4	79,254	3/4	94,308	3/4	109,362	3/4	124,410	3/4	139,458
5	5,254	5	19,455	5	34,509	5	49,560	5	64,514	5	79,568	5	94,622	5	109,676	5	124,724	5	139,772
1/4	5,529	1/4	19,769	1/4	34,823	1/4	49,873	1/4	64,827	1/4	79,881	1/4	94,936	1/4	109,989	1/4	125,037	1/4	140,085
1/2	5,804	1/2	20,082	1/2	35,137	1/2	50,185	1/2	65,141	1/2	80,195	1/2	95,249	1/2	110,303	1/2	125,351	1/2	140,399
3/4	6,079	3/4	20,396	3/4	35,450	3/4	50,497	3/4	65,454	3/4	80,508	3/4	95,563	3/4	110,616	3/4	125,664	3/4	140,712
6	6,354	6	20,710	6	35,764	6	50,809	6	65,768	6	80,822	6	95,877	6	110,930	6	125,978	6	141,026
1/4	6,633	1/4	21,023	1/4	36,077	1/4	51,121	1/4	66,081	1/4	81,136	1/4	96,190	1/4	111,243	1/4	126,291	1/4	141,339
1/2	6,912	1/2	21,337	1/2	36,391	1/2	51,433	1/2	66,395	1/2	81,449	1/2	96,504	1/2	111,557	1/2	126,605	1/2	141,653
3/4	7,191	3/4	21,651	3/4	36,705	3/4	51,745	3/4	66,708	3/4	81,763	3/4	96,818	3/4	111,870	3/4	126,918	3/4	141,966
7	7,470	7	21,964	7	37,018	7	52,057	7	67,022	7	82,077	7	97,131	7	112,184	7	127,232	7	142,280
1/4	7,753	1/4	22,278	1/4	37,332	1/4	52,369	1/4	67,336	1/4	82,390	1/4	97,445	1/4	112,497	1/4	127,545	1/4	142,593
1/2	8,035	1/2	22,591	1/2	37,646	1/2	52,680	1/2	67,649	1/2	82,704	1/2	97,758	1/2	112,811	1/2	127,859	1/2	142,907
3/4	8,318	3/4	22,905	3/4	37,959	3/4	52,991	3/4	67,963	3/4	83,018	3/4	98,072	3/4	113,124	3/4	128,172	3/4	143,220
8	8,601	8	23,219	8	38,273	8	53,303	8	68,277	8	83,331	8	98,386	8	113,438	8	128,486	8	143,534
1/4	8,888	1/4	23,532	1/4	38,586	1/4	53,614	1/4	68,590	1/4	83,645	1/4	98,699	1/4	113,751	1/4	128,799	1/4	143,847
1/2	9,174	1/2	23,846	1/2	38,900	1/2	53,926	1/2	68,904	1/2	83,958	1/2	99,013	1/2	114,065	1/2	129,113	1/2	144,161
3/4	9,461	3/4	24,160	3/4	39,214	3/4	54,237	3/4	69,218	3/4	84,272	3/4	99,327	3/4	114,378	3/4	129,426	3/4	144,474
9	9,747	9	24,473	9	39,527	9	54,548	9	69,531	9	84,586	9	99,640	9	114,692	9	129,740	9	144,788
1/4	10,038	1/4	24,787	1/4	39,841	1/4	54,859	1/4	69,845	1/4	84,899	1/4	99,954	1/4	115,005	1/4	130,053	1/4	145,101
1/2	10,328	1/2	25,101	1/2	40,155	1/2	55,171	1/2	70,158	1/2	85,213	1/2	100,267	1/2	115,319	1/2	130,367	1/2	145,415
3/4	10,619	3/4	25,414	3/4	40,468	3/4	55,482	3/4	70,472	3/4	85,527	3/4	100,581	3/4	115,632	3/4	130,680	3/4	145,728
10	10,909	10	25,728	10	40,782	10	55,793	10	70,786	10	85,840	10	100,895	10	115,946	10	130,994	10	146,042
1/4	11,204	1/4	26,041	1/4	41,095	1/4	56,104	1/4	71,099	1/4	86,154	1/4	101,208	1/4	116,259	1/4	131,307	1/4	146,355
1/2	11,498	1/2	26,355	1/2	41,409	1/2	56,416	1/2	71,413	1/2	86,468	1/2	101,522	1/2	116,573	1/2	131,621	1/2	146,669
3/4	11,792	3/4	26,669	3/4	41,723	3/4	56,727	3/4	71,727	3/4	86,781	3/4	101,836	3/4	116,886	3/4	131,934	3/4	146,982
11	12,086	11	26,982	11	42,036	11	57,038	11	72,040	11	87,095	11	102,149	11	117,200	11	132,248	11	147,296
1/4	12,385	1/4	27,296	1/4	42,350	1/4	57,349	1/4	72,354	1/4	87,408	1/4	102,463	1/4	117,513	1/4	132,561	1/4	147,609
1/2	12,683	1/2	27,610	1/2	42,664	1/2	57,661	1/2	72,668	1/2	87,722	1/2	102,777	1/2	117,827	1/2	132,875	1/2	147,923
3/4	12,981	3/4	27,923	3/4	42,977	3/4	57,972	3/4	72,981	3/4	88,036	3/4	103,090	3/4	118,140	3/4	133,188	3/4	148,236

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 3009"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 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	148,550	0	163,598	0	178,637	0	193,641	0	208,572	0		0		0		0		0	
1/4	148,863	1/4	163,911	1/4	178,949	1/4	193,953	1/4	208,853	1/4		1/4		1/4		1/4		1/4	
1/2	149,177	1/2	164,225	1/2	179,262	1/2	194,266	1/2	209,134	1/2		1/2		1/2		1/2		1/2	
3/4	149,490	3/4	164,538	3/4	179,574	3/4	194,578	3/4	209,414	3/4		3/4		3/4		3/4		3/4	
1	149,804	1	164,852	1	179,887	1	194,891	1	209,695	1		1		1		1		1	
1/4	150,117	1/4	165,165	1/4	180,200	1/4	195,204	1/4	209,927	1/4		1/4		1/4		1/4		1/4	
1/2	150,431	1/2	165,479	1/2	180,512	1/2	195,516	1/2	210,159	1/2		1/2		1/2		1/2		1/2	
3/4	150,744	3/4	165,792	3/4	180,825	3/4	195,829	3/4	210,391	3/4		3/4		3/4		3/4		3/4	
2	151,058	2	166,106	2	181,137	2	196,141	2	210,624	2		2		2		2		2	
1/4	151,371	1/4	166,419	1/4	181,450	1/4	196,454	1/4	210,803	1/4		1/4		1/4		1/4		1/4	
1/2	151,685	1/2	166,733	1/2	181,762	1/2	196,767	1/2	210,983	1/2		1/2		1/2		1/2		1/2	
3/4	151,998	3/4	167,046	3/4	182,075	3/4	197,079	3/4	211,163	3/4		3/4		3/4		3/4		3/4	
3	152,312	3	167,360	3	182,388	3	197,392	3	211,343	3		3		3		3		3	
1/4	152,625	1/4	167,673	1/4	182,700	1/4	197,704	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,939	1/2	167,987	1/2	183,013	1/2	198,017	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,252	3/4	168,300	3/4	183,325	3/4	198,329	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,566	4	168,614	4	183,638	4	198,642	4		4		4		4		4		4	
1/4	153,879	1/4	168,927	1/4	183,951	1/4	198,955	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,193	1/2	169,241	1/2	184,263	1/2	199,267	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,506	3/4	169,554	3/4	184,576	3/4	199,580	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,820	5	169,868	5	184,888	5	199,892	5		5		5		5		5		5	
1/4	155,133	1/4	170,181	1/4	185,201	1/4	200,204	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,447	1/2	170,495	1/2	185,513	1/2	200,515	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,760	3/4	170,808	3/4	185,826	3/4	200,827	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,074	6	171,122	6	186,139	6	201,138	6		6		6		6		6		6	
1/4	156,387	1/4	171,435	1/4	186,451	1/4	201,449	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,701	1/2	171,749	1/2	186,764	1/2	201,759	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,014	3/4	172,062	3/4	187,076	3/4	202,070	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,328	7	172,376	7	187,389	7	202,380	7		7		7		7		7		7	
1/4	157,641	1/4	172,689	1/4	187,702	1/4	202,691	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,955	1/2	173,003	1/2	188,014	1/2	203,001	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,268	3/4	173,316	3/4	188,327	3/4	203,312	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,582	8	173,630	8	188,639	8	203,622	8		8		8		8		8		8	
1/4	158,895	1/4	173,943	1/4	188,952	1/4	203,933	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,209	1/2	174,257	1/2	189,265	1/2	204,243	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,522	3/4	174,570	3/4	189,577	3/4	204,554	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,836	9	174,884	9	189,890	9	204,865	9		9		9		9		9		9	
1/4	160,149	1/4	175,197	1/4	190,202	1/4	205,175	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,463	1/2	175,510	1/2	190,515	1/2	205,486	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,776	3/4	175,823	3/4	190,827	3/4	205,796	3/4		3/4		3/4		3/4		3/4		3/4	
10	161,090	10	176,136	10	191,140	10	206,107	10		10		10		10		10		10	
1/4	161,403	1/4	176,449	1/4	191,453	1/4	206,417	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,717	1/2	176,761	1/2	191,765	1/2	206,727	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,030	3/4	177,074	3/4	192,078	3/4	207,037	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,344	11	177,386	11	192,390	11	207,347	11		11		11		11		11		11	
1/4	162,657	1/4	177,699	1/4	192,703	1/4	207,653	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,971	1/2	178,011	1/2	193,016	1/2	207,960	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,284	3/4	178,324	3/4	193,328	3/4	208,266	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2017

PRECISION MEASUREMENT
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BARGE "HFL 3009"

1 STBD INNAGE 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	386	0	13,284	0	28,247	0	43,306	0	58,361	0	73,418	0	88,477	0	103,537	0	118,592	0	133,645
1/4	564	1/4	13,586	1/4	28,560	1/4	43,620	1/4	58,674	1/4	73,731	1/4	88,791	1/4	103,851	1/4	118,906	1/4	133,959
1/2	741	1/2	13,888	1/2	28,874	1/2	43,933	1/2	58,988	1/2	74,045	1/2	89,105	1/2	104,164	1/2	119,219	1/2	134,272
3/4	918	3/4	14,190	3/4	29,188	3/4	44,247	3/4	59,301	3/4	74,359	3/4	89,419	3/4	104,478	3/4	119,533	3/4	134,586
1	1,096	1	14,493	1	29,502	1	44,561	1	59,615	1	74,673	1	89,732	1	104,792	1	119,846	1	134,900
1/4	1,335	1/4	14,799	1/4	29,815	1/4	44,875	1/4	59,928	1/4	74,986	1/4	90,046	1/4	105,106	1/4	120,160	1/4	135,213
1/2	1,574	1/2	15,105	1/2	30,129	1/2	45,188	1/2	60,242	1/2	75,300	1/2	90,360	1/2	105,419	1/2	120,474	1/2	135,527
3/4	1,813	3/4	15,411	3/4	30,443	3/4	45,502	3/4	60,555	3/4	75,614	3/4	90,673	3/4	105,733	3/4	120,787	3/4	135,840
2	2,053	2	15,717	2	30,756	2	45,816	2	60,869	2	75,928	2	90,987	2	106,047	2	121,101	2	136,154
1/4	2,315	1/4	16,026	1/4	31,070	1/4	46,129	1/4	61,182	1/4	76,241	1/4	91,301	1/4	106,361	1/4	121,415	1/4	136,468
1/2	2,578	1/2	16,336	1/2	31,384	1/2	46,443	1/2	61,496	1/2	76,555	1/2	91,615	1/2	106,674	1/2	121,728	1/2	136,781
3/4	2,840	3/4	16,646	3/4	31,698	3/4	46,757	3/4	61,809	3/4	76,869	3/4	91,928	3/4	106,988	3/4	122,042	3/4	137,095
3	3,103	3	16,956	3	32,011	3	47,071	3	62,123	3	77,183	3	92,242	3	107,302	3	122,355	3	137,409
1/4	3,370	1/4	17,269	1/4	32,325	1/4	47,384	1/4	62,437	1/4	77,496	1/4	92,556	1/4	107,616	1/4	122,669	1/4	137,722
1/2	3,637	1/2	17,582	1/2	32,639	1/2	47,698	1/2	62,750	1/2	77,810	1/2	92,870	1/2	107,929	1/2	122,983	1/2	138,036
3/4	3,904	3/4	17,894	3/4	32,953	3/4	48,012	3/4	63,064	3/4	78,124	3/4	93,183	3/4	108,243	3/4	123,296	3/4	138,349
4	4,171	4	18,207	4	33,266	4	48,326	4	63,378	4	78,437	4	93,497	4	108,557	4	123,610	4	138,663
1/4	4,443	1/4	18,521	1/4	33,580	1/4	48,639	1/4	63,692	1/4	78,751	1/4	93,811	1/4	108,870	1/4	123,923	1/4	138,977
1/2	4,714	1/2	18,835	1/2	33,894	1/2	48,953	1/2	64,005	1/2	79,065	1/2	94,125	1/2	109,184	1/2	124,237	1/2	139,290
3/4	4,985	3/4	19,148	3/4	34,208	3/4	49,267	3/4	64,319	3/4	79,379	3/4	94,438	3/4	109,497	3/4	124,551	3/4	139,604
5	5,256	5	19,462	5	34,521	5	49,581	5	64,633	5	79,692	5	94,752	5	109,811	5	124,864	5	139,917
1/4	5,531	1/4	19,776	1/4	34,835	1/4	49,894	1/4	64,947	1/4	80,006	1/4	95,066	1/4	110,125	1/4	125,178	1/4	140,231
1/2	5,807	1/2	20,090	1/2	35,149	1/2	50,208	1/2	65,260	1/2	80,320	1/2	95,380	1/2	110,438	1/2	125,491	1/2	140,545
3/4	6,082	3/4	20,403	3/4	35,462	3/4	50,522	3/4	65,574	3/4	80,634	3/4	95,693	3/4	110,752	3/4	125,805	3/4	140,858
6	6,357	6	20,717	6	35,776	6	50,835	6	65,888	6	80,947	6	96,007	6	111,065	6	126,119	6	141,172
1/4	6,636	1/4	21,031	1/4	36,090	1/4	51,149	1/4	66,201	1/4	81,261	1/4	96,321	1/4	111,379	1/4	126,432	1/4	141,486
1/2	6,915	1/2	21,344	1/2	36,404	1/2	51,463	1/2	66,515	1/2	81,575	1/2	96,635	1/2	111,693	1/2	126,746	1/2	141,799
3/4	7,194	3/4	21,658	3/4	36,717	3/4	51,776	3/4	66,829	3/4	81,889	3/4	96,948	3/4	112,006	3/4	127,059	3/4	142,113
7	7,473	7	21,972	7	37,031	7	52,090	7	67,143	7	82,202	7	97,262	7	112,320	7	127,373	7	142,426
1/4	7,756	1/4	22,286	1/4	37,345	1/4	52,404	1/4	67,456	1/4	82,516	1/4	97,576	1/4	112,634	1/4	127,687	1/4	142,740
1/2	8,038	1/2	22,599	1/2	37,659	1/2	52,717	1/2	67,770	1/2	82,830	1/2	97,890	1/2	112,947	1/2	128,000	1/2	143,054
3/4	8,321	3/4	22,913	3/4	37,972	3/4	53,031	3/4	68,084	3/4	83,144	3/4	98,203	3/4	113,261	3/4	128,314	3/4	143,367
8	8,604	8	23,227	8	38,286	8	53,344	8	68,398	8	83,457	8	98,517	8	113,574	8	128,628	8	143,681
1/4	8,891	1/4	23,541	1/4	38,600	1/4	53,658	1/4	68,711	1/4	83,771	1/4	98,831	1/4	113,888	1/4	128,941	1/4	143,994
1/2	9,177	1/2	23,854	1/2	38,914	1/2	53,971	1/2	69,025	1/2	84,085	1/2	99,145	1/2	114,202	1/2	129,255	1/2	144,308
3/4	9,464	3/4	24,168	3/4	39,227	3/4	54,285	3/4	69,339	3/4	84,399	3/4	99,458	3/4	114,515	3/4	129,568	3/4	144,622
9	9,751	9	24,482	9	39,541	9	54,599	9	69,653	9	84,712	9	99,772	9	114,829	9	129,882	9	144,935
1/4	10,041	1/4	24,796	1/4	39,855	1/4	54,912	1/4	69,966	1/4	85,026	1/4	100,086	1/4	115,142	1/4	130,196	1/4	145,249
1/2	10,332	1/2	25,109	1/2	40,168	1/2	55,226	1/2	70,280	1/2	85,340	1/2	100,400	1/2	115,456	1/2	130,509	1/2	145,562
3/4	10,623	3/4	25,423	3/4	40,482	3/4	55,539	3/4	70,594	3/4	85,654	3/4	100,713	3/4	115,770	3/4	130,823	3/4	145,876
10	10,913	10	25,737	10	40,796	10	55,853	10	70,908	10	85,967	10	101,027	10	116,083	10	131,136	10	146,190
1/4	11,208	1/4	26,050	1/4	41,110	1/4	56,166	1/4	71,221	1/4	86,281	1/4	101,341	1/4	116,397	1/4	131,450	1/4	146,503
1/2	11,502	1/2	26,364	1/2	41,423	1/2	56,480	1/2	71,535	1/2	86,595	1/2	101,655	1/2	116,710	1/2	131,764	1/2	146,817
3/4	11,796	3/4	26,678	3/4	41,737	3/4	56,793	3/4	71,849	3/4	86,909	3/4	101,968	3/4	117,024	3/4	132,077	3/4	147,131
11	12,091	11	26,992	11	42,051	11	57,107	11	72,163	11	87,222	11	102,282	11	117,338	11	132,391	11	147,444
1/4	12,389	1/4	27,305	1/4	42,365	1/4	57,420	1/4	72,476	1/4	87,536	1/4	102,596	1/4	117,651	1/4	132,704	1/4	147,758
1/2	12,687	1/2	27,619	1/2	42,678	1/2	57,734	1/2	72,790	1/2	87,850	1/2	102,909	1/2	117,965	1/2	133,018	1/2	148,071
3/4	12,986	3/4	27,933	3/4	42,992	3/4	58,047	3/4	73,104	3/4	88,164	3/4	103,223	3/4	118,278	3/4	133,332	3/4	148,385

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 3009"

1 STBD INNAGE 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	148,699	0	163,752	0	178,796	0	193,806	0	208,743	0		0		0		0		0	
1/4	149,012	1/4	164,066	1/4	179,109	1/4	194,119	1/4	209,024	1/4		1/4		1/4		1/4		1/4	
1/2	149,326	1/2	164,379	1/2	179,422	1/2	194,431	1/2	209,304	1/2		1/2		1/2		1/2		1/2	
3/4	149,639	3/4	164,693	3/4	179,734	3/4	194,744	3/4	209,585	3/4		3/4		3/4		3/4		3/4	
1	149,953	1	165,006	1	180,047	1	195,057	1	209,866	1		1		1		1		1	
1/4	150,267	1/4	165,320	1/4	180,360	1/4	195,369	1/4	210,098	1/4		1/4		1/4		1/4		1/4	
1/2	150,580	1/2	165,634	1/2	180,673	1/2	195,682	1/2	210,330	1/2		1/2		1/2		1/2		1/2	
3/4	150,894	3/4	165,947	3/4	180,985	3/4	195,995	3/4	210,563	3/4		3/4		3/4		3/4		3/4	
2	151,208	2	166,261	2	181,298	2	196,307	2	210,795	2		2		2		2		2	
1/4	151,521	1/4	166,575	1/4	181,611	1/4	196,620	1/4	210,975	1/4		1/4		1/4		1/4		1/4	
1/2	151,835	1/2	166,888	1/2	181,923	1/2	196,933	1/2	211,155	1/2		1/2		1/2		1/2		1/2	
3/4	152,148	3/4	167,202	3/4	182,236	3/4	197,246	3/4	211,335	3/4		3/4		3/4		3/4		3/4	
3	152,462	3	167,515	3	182,549	3	197,558	3	211,515	3		3		3		3		3	
1/4	152,776	1/4	167,829	1/4	182,861	1/4	197,871	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,089	1/2	168,143	1/2	183,174	1/2	198,184	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,403	3/4	168,456	3/4	183,487	3/4	198,496	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,716	4	168,770	4	183,799	4	198,809	4		4		4		4		4		4	
1/4	154,030	1/4	169,083	1/4	184,112	1/4	199,122	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,344	1/2	169,397	1/2	184,425	1/2	199,434	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,657	3/4	169,711	3/4	184,738	3/4	199,747	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,971	5	170,024	5	185,050	5	200,060	5		5		5		5		5		5	
1/4	155,284	1/4	170,338	1/4	185,363	1/4	200,371	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,598	1/2	170,652	1/2	185,676	1/2	200,683	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,912	3/4	170,965	3/4	185,988	3/4	200,995	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,225	6	171,279	6	186,301	6	201,306	6		6		6		6		6		6	
1/4	156,539	1/4	171,592	1/4	186,614	1/4	201,617	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,853	1/2	171,906	1/2	186,926	1/2	201,927	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,166	3/4	172,220	3/4	187,239	3/4	202,238	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,480	7	172,533	7	187,552	7	202,549	7		7		7		7		7		7	
1/4	157,793	1/4	172,847	1/4	187,865	1/4	202,859	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,107	1/2	173,160	1/2	188,177	1/2	203,170	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,421	3/4	173,474	3/4	188,490	3/4	203,480	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,734	8	173,788	8	188,803	8	203,791	8		8		8		8		8		8	
1/4	159,048	1/4	174,101	1/4	189,115	1/4	204,102	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,361	1/2	174,415	1/2	189,428	1/2	204,412	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,675	3/4	174,728	3/4	189,741	3/4	204,723	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,989	9	175,042	9	190,053	9	205,034	9		9		9		9		9		9	
1/4	160,302	1/4	175,355	1/4	190,366	1/4	205,344	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,616	1/2	175,668	1/2	190,679	1/2	205,655	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,930	3/4	175,982	3/4	190,992	3/4	205,966	3/4		3/4		3/4		3/4		3/4		3/4	
10	161,243	10	176,295	10	191,304	10	206,276	10		10		10		10		10		10	
1/4	161,557	1/4	176,607	1/4	191,617	1/4	206,586	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,870	1/2	176,920	1/2	191,930	1/2	206,896	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,184	3/4	177,233	3/4	192,242	3/4	207,207	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,498	11	177,546	11	192,555	11	207,517	11		11		11		11		11		11	
1/4	162,811	1/4	177,858	1/4	192,868	1/4	207,823	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,125	1/2	178,171	1/2	193,180	1/2	208,130	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,438	3/4	178,484	3/4	193,493	3/4	208,436	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "HFL 3009"

2 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	1,032	0	15,698	0	30,764	0	45,457	0	59,945	0	74,801	0	89,869	0	104,937	0	120,000	0	135,060
1/4	1,267	1/4	16,012	1/4	31,077	1/4	45,759	1/4	60,248	1/4	75,115	1/4	90,183	1/4	105,251	1/4	120,313	1/4	135,374
1/2	1,503	1/2	16,326	1/2	31,391	1/2	46,060	1/2	60,550	1/2	75,429	1/2	90,497	1/2	105,565	1/2	120,627	1/2	135,688
3/4	1,738	3/4	16,640	3/4	31,705	3/4	46,361	3/4	60,852	3/4	75,743	3/4	90,811	3/4	105,879	3/4	120,941	3/4	136,001
1	1,973	1	16,954	1	32,019	1	46,662	1	61,154	1	76,057	1	91,125	1	106,193	1	121,255	1	136,315
1/4	2,267	1/4	17,268	1/4	32,333	1/4	46,963	1/4	61,456	1/4	76,371	1/4	91,439	1/4	106,507	1/4	121,568	1/4	136,629
1/2	2,560	1/2	17,582	1/2	32,647	1/2	47,265	1/2	61,758	1/2	76,685	1/2	91,753	1/2	106,821	1/2	121,882	1/2	136,943
3/4	2,854	3/4	17,896	3/4	32,961	3/4	47,566	3/4	62,060	3/4	76,999	3/4	92,067	3/4	107,135	3/4	122,196	3/4	137,256
2	3,147	2	18,210	2	33,275	2	47,867	2	62,363	2	77,313	2	92,381	2	107,448	2	122,510	2	137,570
1/4	3,460	1/4	18,524	1/4	33,589	1/4	48,168	1/4	62,665	1/4	77,627	1/4	92,695	1/4	107,762	1/4	122,823	1/4	137,884
1/2	3,773	1/2	18,837	1/2	33,903	1/2	48,470	1/2	62,967	1/2	77,941	1/2	93,008	1/2	108,076	1/2	123,137	1/2	138,198
3/4	4,086	3/4	19,151	3/4	34,216	3/4	48,771	3/4	63,269	3/4	78,254	3/4	93,322	3/4	108,390	3/4	123,451	3/4	138,511
3	4,399	3	19,465	3	34,530	3	49,072	3	63,571	3	78,568	3	93,636	3	108,704	3	123,765	3	138,825
1/4	4,713	1/4	19,779	1/4	34,844	1/4	49,374	1/4	63,873	1/4	78,882	1/4	93,950	1/4	109,018	1/4	124,079	1/4	139,139
1/2	5,026	1/2	20,093	1/2	35,158	1/2	49,675	1/2	64,175	1/2	79,196	1/2	94,264	1/2	109,332	1/2	124,392	1/2	139,453
3/4	5,340	3/4	20,407	3/4	35,472	3/4	49,977	3/4	64,478	3/4	79,510	3/4	94,578	3/4	109,646	3/4	124,706	3/4	139,766
4	5,654	4	20,721	4	35,786	4	50,278	4	64,780	4	79,824	4	94,892	4	109,959	4	125,020	4	140,080
1/4	5,967	1/4	21,035	1/4	36,094	1/4	50,580	1/4	65,088	1/4	80,138	1/4	95,206	1/4	110,273	1/4	125,334	1/4	140,394
1/2	6,281	1/2	21,349	1/2	36,402	1/2	50,882	1/2	65,396	1/2	80,452	1/2	95,520	1/2	110,587	1/2	125,647	1/2	140,708
3/4	6,595	3/4	21,663	3/4	36,710	3/4	51,184	3/4	65,704	3/4	80,766	3/4	95,834	3/4	110,901	3/4	125,961	3/4	141,021
5	6,909	5	21,976	5	37,018	5	51,485	5	66,012	5	81,080	5	96,148	5	111,215	5	126,275	5	141,335
1/4	7,223	1/4	22,290	1/4	37,320	1/4	51,787	1/4	66,326	1/4	81,394	1/4	96,461	1/4	111,528	1/4	126,589	1/4	141,649
1/2	7,537	1/2	22,604	1/2	37,622	1/2	52,090	1/2	66,640	1/2	81,708	1/2	96,775	1/2	111,842	1/2	126,902	1/2	141,963
3/4	7,851	3/4	22,918	3/4	37,924	3/4	52,392	3/4	66,954	3/4	82,021	3/4	97,089	3/4	112,156	3/4	127,216	3/4	142,276
6	8,165	6	23,232	6	38,227	6	52,694	6	67,268	6	82,335	6	97,403	6	112,470	6	127,530	6	142,590
1/4	8,479	1/4	23,546	1/4	38,528	1/4	52,996	1/4	67,581	1/4	82,649	1/4	97,717	1/4	112,783	1/4	127,844	1/4	142,904
1/2	8,792	1/2	23,860	1/2	38,830	1/2	53,298	1/2	67,895	1/2	82,963	1/2	98,031	1/2	113,097	1/2	128,157	1/2	143,218
3/4	9,106	3/4	24,174	3/4	39,132	3/4	53,600	3/4	68,209	3/4	83,277	3/4	98,345	3/4	113,411	3/4	128,471	3/4	143,531
7	9,420	7	24,488	7	39,433	7	53,902	7	68,523	7	83,591	7	98,659	7	113,725	7	128,785	7	143,845
1/4	9,734	1/4	24,802	1/4	39,734	1/4	54,205	1/4	68,837	1/4	83,905	1/4	98,973	1/4	114,038	1/4	129,099	1/4	144,159
1/2	10,048	1/2	25,116	1/2	40,036	1/2	54,507	1/2	69,151	1/2	84,219	1/2	99,287	1/2	114,352	1/2	129,412	1/2	144,473
3/4	10,362	3/4	25,429	3/4	40,337	3/4	54,809	3/4	69,465	3/4	84,533	3/4	99,601	3/4	114,666	3/4	129,726	3/4	144,786
8	10,676	8	25,743	8	40,638	8	55,111	8	69,779	8	84,847	8	99,915	8	114,980	8	130,040	8	145,100
1/4	10,990	1/4	26,057	1/4	40,939	1/4	55,413	1/4	70,093	1/4	85,161	1/4	100,228	1/4	115,293	1/4	130,354	1/4	145,414
1/2	11,304	1/2	26,371	1/2	41,241	1/2	55,715	1/2	70,407	1/2	85,475	1/2	100,542	1/2	115,607	1/2	130,667	1/2	145,728
3/4	11,618	3/4	26,685	3/4	41,542	3/4	56,018	3/4	70,721	3/4	85,788	3/4	100,856	3/4	115,921	3/4	130,981	3/4	146,041
9	11,932	9	26,999	9	41,843	9	56,320	9	71,034	9	86,102	9	101,170	9	116,235	9	131,295	9	146,355
1/4	12,245	1/4	27,312	1/4	42,144	1/4	56,622	1/4	71,348	1/4	86,416	1/4	101,484	1/4	116,548	1/4	131,609	1/4	146,669
1/2	12,559	1/2	27,626	1/2	42,445	1/2	56,924	1/2	71,662	1/2	86,730	1/2	101,798	1/2	116,862	1/2	131,922	1/2	146,983
3/4	12,873	3/4	27,940	3/4	42,747	3/4	57,226	3/4	71,976	3/4	87,044	3/4	102,112	3/4	117,176	3/4	132,236	3/4	147,296
10	13,187	10	28,253	10	43,048	10	57,528	10	72,290	10	87,358	10	102,426	10	117,490	10	132,550	10	147,610
1/4	13,501	1/4	28,567	1/4	43,349	1/4	57,830	1/4	72,604	1/4	87,672	1/4	102,740	1/4	117,803	1/4	132,864	1/4	147,924
1/2	13,815	1/2	28,881	1/2	43,650	1/2	58,133	1/2	72,918	1/2	87,986	1/2	103,054	1/2	118,117	1/2	133,177	1/2	148,238
3/4	14,129	3/4	29,194	3/4	43,951	3/4	58,435	3/4	73,232	3/4	88,300	3/4	103,368	3/4	118,431	3/4	133,491	3/4	148,552
11	14,443	11	29,508	11	44,253	11	58,737	11	73,546	11	88,614	11	103,682	11	118,745	11	133,805	11	148,865
1/4	14,757	1/4	29,822	1/4	44,554	1/4	59,039	1/4	73,860	1/4	88,928	1/4	103,995	1/4	119,058	1/4	134,119	1/4	149,179
1/2	15,071	1/2	30,136	1/2	44,855	1/2	59,341	1/2	74,174	1/2	89,241	1/2	104,309	1/2	119,372	1/2	134,432	1/2	149,493
3/4	15,384	3/4	30,450	3/4	45,156	3/4	59,643	3/4	74,488	3/4	89,555	3/4	104,623	3/4	119,686	3/4	134,746	3/4	149,807

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 3009"

2 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	150,120	0	165,181	0	180,230	0	195,239	0	210,152	0		0		0		0		0	
1/4	150,434	1/4	165,494	1/4	180,543	1/4	195,552	1/4	210,432	1/4		1/4		1/4		1/4		1/4	
1/2	150,748	1/2	165,808	1/2	180,856	1/2	195,865	1/2	210,711	1/2		1/2		1/2		1/2		1/2	
3/4	151,062	3/4	166,122	3/4	181,168	3/4	196,178	3/4	210,991	3/4		3/4		3/4		3/4		3/4	
1	151,375	1	166,436	1	181,481	1	196,490	1	211,271	1		1		1		1		1	
1/4	151,689	1/4	166,749	1/4	181,794	1/4	196,803	1/4	211,502	1/4		1/4		1/4		1/4		1/4	
1/2	152,003	1/2	167,063	1/2	182,106	1/2	197,116	1/2	211,733	1/2		1/2		1/2		1/2		1/2	
3/4	152,317	3/4	167,377	3/4	182,419	3/4	197,428	3/4	211,965	3/4		3/4		3/4		3/4		3/4	
2	152,630	2	167,691	2	182,732	2	197,741	2	212,196	2		2		2		2		2	
1/4	152,944	1/4	168,004	1/4	183,044	1/4	198,054	1/4	212,375	1/4		1/4		1/4		1/4		1/4	
1/2	153,258	1/2	168,318	1/2	183,357	1/2	198,366	1/2	212,554	1/2		1/2		1/2		1/2		1/2	
3/4	153,572	3/4	168,632	3/4	183,670	3/4	198,679	3/4	212,733	3/4		3/4		3/4		3/4		3/4	
3	153,885	3	168,946	3	183,983	3	198,992	3	212,912	3		3		3		3		3	
1/4	154,199	1/4	169,259	1/4	184,295	1/4	199,304	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,513	1/2	169,573	1/2	184,608	1/2	199,617	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,827	3/4	169,887	3/4	184,921	3/4	199,930	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,140	4	170,201	4	185,233	4	200,242	4		4		4		4		4		4	
1/4	155,454	1/4	170,514	1/4	185,546	1/4	200,555	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,768	1/2	170,828	1/2	185,859	1/2	200,868	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,082	3/4	171,142	3/4	186,171	3/4	201,181	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,395	5	171,456	5	186,484	5	201,493	5		5		5		5		5		5	
1/4	156,709	1/4	171,769	1/4	186,797	1/4	201,804	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,023	1/2	172,083	1/2	187,109	1/2	202,116	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,337	3/4	172,397	3/4	187,422	3/4	202,427	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,650	6	172,711	6	187,735	6	202,738	6		6		6		6		6		6	
1/4	157,964	1/4	173,024	1/4	188,048	1/4	203,047	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,278	1/2	173,338	1/2	188,360	1/2	203,357	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,592	3/4	173,652	3/4	188,673	3/4	203,667	3/4		3/4		3/4		3/4		3/4		3/4	
7	158,905	7	173,966	7	188,986	7	203,976	7		7		7		7		7		7	
1/4	159,219	1/4	174,280	1/4	189,298	1/4	204,286	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,533	1/2	174,593	1/2	189,611	1/2	204,596	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,847	3/4	174,907	3/4	189,924	3/4	204,905	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,160	8	175,221	8	190,236	8	205,215	8		8		8		8		8		8	
1/4	160,474	1/4	175,535	1/4	190,549	1/4	205,525	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,788	1/2	175,848	1/2	190,862	1/2	205,834	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,102	3/4	176,162	3/4	191,174	3/4	206,144	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,416	9	176,476	9	191,487	9	206,454	9		9		9		9		9		9	
1/4	161,729	1/4	176,789	1/4	191,800	1/4	206,764	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,043	1/2	177,103	1/2	192,113	1/2	207,073	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,357	3/4	177,415	3/4	192,425	3/4	207,383	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,671	10	177,729	10	192,738	10	207,693	10		10		10		10		10		10	
1/4	162,984	1/4	178,041	1/4	193,051	1/4	208,002	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,298	1/2	178,354	1/2	193,363	1/2	208,311	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,612	3/4	178,667	3/4	193,676	3/4	208,620	3/4		3/4		3/4		3/4		3/4		3/4	
11	163,926	11	178,979	11	193,989	11	208,930	11		11		11		11		11		11	
1/4	164,239	1/4	179,292	1/4	194,301	1/4	209,235	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,553	1/2	179,605	1/2	194,614	1/2	209,541	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,867	3/4	179,918	3/4	194,927	3/4	209,846	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HFL 3009"

2 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	1,033	0	15,709	0	30,784	0	45,842	0	60,904	0	75,982	0	91,059	0	106,137	0	121,209	0	136,279
1/4	1,268	1/4	16,023	1/4	31,099	1/4	46,155	1/4	61,218	1/4	76,296	1/4	91,374	1/4	106,451	1/4	121,523	1/4	136,593
1/2	1,504	1/2	16,337	1/2	31,413	1/2	46,468	1/2	61,532	1/2	76,610	1/2	91,688	1/2	106,765	1/2	121,837	1/2	136,907
3/4	1,739	3/4	16,651	3/4	31,727	3/4	46,781	3/4	61,847	3/4	76,924	3/4	92,002	3/4	107,079	3/4	122,151	3/4	137,221
1	1,975	1	16,966	1	32,041	1	47,094	1	62,161	1	77,238	1	92,316	1	107,394	1	122,465	1	137,535
1/4	2,268	1/4	17,280	1/4	32,355	1/4	47,408	1/4	62,475	1/4	77,552	1/4	92,630	1/4	107,708	1/4	122,779	1/4	137,849
1/2	2,562	1/2	17,594	1/2	32,669	1/2	47,721	1/2	62,789	1/2	77,867	1/2	92,944	1/2	108,022	1/2	123,093	1/2	138,163
3/4	2,856	3/4	17,908	3/4	32,983	3/4	48,034	3/4	63,103	3/4	78,181	3/4	93,258	3/4	108,336	3/4	123,407	3/4	138,477
2	3,150	2	18,222	2	33,297	2	48,347	2	63,417	2	78,495	2	93,572	2	108,650	2	123,721	2	138,791
1/4	3,463	1/4	18,536	1/4	33,611	1/4	48,660	1/4	63,731	1/4	78,809	1/4	93,887	1/4	108,964	1/4	124,035	1/4	139,105
1/2	3,776	1/2	18,850	1/2	33,926	1/2	48,974	1/2	64,045	1/2	79,123	1/2	94,201	1/2	109,278	1/2	124,349	1/2	139,419
3/4	4,089	3/4	19,164	3/4	34,240	3/4	49,287	3/4	64,360	3/4	79,437	3/4	94,515	3/4	109,592	3/4	124,663	3/4	139,733
3	4,402	3	19,479	3	34,554	3	49,600	3	64,674	3	79,751	3	94,829	3	109,906	3	124,977	3	140,047
1/4	4,716	1/4	19,793	1/4	34,868	1/4	49,914	1/4	64,988	1/4	80,065	1/4	95,143	1/4	110,221	1/4	125,291	1/4	140,361
1/2	5,030	1/2	20,107	1/2	35,182	1/2	50,227	1/2	65,302	1/2	80,379	1/2	95,457	1/2	110,535	1/2	125,605	1/2	140,675
3/4	5,344	3/4	20,421	3/4	35,496	3/4	50,540	3/4	65,616	3/4	80,694	3/4	95,771	3/4	110,849	3/4	125,919	3/4	140,989
4	5,658	4	20,735	4	35,810	4	50,854	4	65,930	4	81,008	4	96,085	4	111,163	4	126,233	4	141,303
1/4	5,972	1/4	21,049	1/4	36,124	1/4	51,168	1/4	66,244	1/4	81,322	1/4	96,399	1/4	111,477	1/4	126,547	1/4	141,617
1/2	6,286	1/2	21,363	1/2	36,439	1/2	51,481	1/2	66,558	1/2	81,636	1/2	96,714	1/2	111,791	1/2	126,861	1/2	141,931
3/4	6,600	3/4	21,677	3/4	36,753	3/4	51,795	3/4	66,872	3/4	81,950	3/4	97,028	3/4	112,105	3/4	127,175	3/4	142,245
5	6,914	5	21,991	5	37,067	5	52,109	5	67,187	5	82,264	5	97,342	5	112,418	5	127,489	5	142,559
1/4	7,228	1/4	22,306	1/4	37,381	1/4	52,423	1/4	67,501	1/4	82,578	1/4	97,656	1/4	112,732	1/4	127,803	1/4	142,873
1/2	7,542	1/2	22,620	1/2	37,695	1/2	52,737	1/2	67,815	1/2	82,892	1/2	97,970	1/2	113,046	1/2	128,116	1/2	143,187
3/4	7,856	3/4	22,934	3/4	38,009	3/4	53,051	3/4	68,129	3/4	83,207	3/4	98,284	3/4	113,360	3/4	128,430	3/4	143,500
6	8,170	6	23,248	6	38,323	6	53,365	6	68,443	6	83,521	6	98,598	6	113,674	6	128,744	6	143,814
1/4	8,484	1/4	23,562	1/4	38,637	1/4	53,680	1/4	68,757	1/4	83,835	1/4	98,912	1/4	113,988	1/4	129,058	1/4	144,128
1/2	8,799	1/2	23,876	1/2	38,951	1/2	53,994	1/2	69,071	1/2	84,149	1/2	99,227	1/2	114,302	1/2	129,372	1/2	144,442
3/4	9,113	3/4	24,190	3/4	39,264	3/4	54,308	3/4	69,385	3/4	84,463	3/4	99,541	3/4	114,616	3/4	129,686	3/4	144,756
7	9,427	7	24,504	7	39,578	7	54,622	7	69,700	7	84,777	7	99,855	7	114,930	7	130,000	7	145,070
1/4	9,741	1/4	24,819	1/4	39,891	1/4	54,936	1/4	70,014	1/4	85,091	1/4	100,169	1/4	115,244	1/4	130,314	1/4	145,384
1/2	10,055	1/2	25,133	1/2	40,204	1/2	55,250	1/2	70,328	1/2	85,405	1/2	100,483	1/2	115,558	1/2	130,628	1/2	145,698
3/4	10,369	3/4	25,447	3/4	40,517	3/4	55,564	3/4	70,642	3/4	85,719	3/4	100,797	3/4	115,872	3/4	130,942	3/4	146,012
8	10,683	8	25,761	8	40,831	8	55,878	8	70,956	8	86,034	8	101,111	8	116,186	8	131,256	8	146,326
1/4	10,997	1/4	26,075	1/4	41,144	1/4	56,192	1/4	71,270	1/4	86,348	1/4	101,425	1/4	116,500	1/4	131,570	1/4	146,640
1/2	11,312	1/2	26,389	1/2	41,457	1/2	56,507	1/2	71,584	1/2	86,662	1/2	101,739	1/2	116,814	1/2	131,884	1/2	146,954
3/4	11,626	3/4	26,703	3/4	41,770	3/4	56,821	3/4	71,898	3/4	86,976	3/4	102,054	3/4	117,128	3/4	132,198	3/4	147,268
9	11,940	9	27,017	9	42,083	9	57,135	9	72,212	9	87,290	9	102,368	9	117,442	9	132,512	9	147,582
1/4	12,254	1/4	27,331	1/4	42,397	1/4	57,449	1/4	72,527	1/4	87,604	1/4	102,682	1/4	117,756	1/4	132,826	1/4	147,896
1/2	12,568	1/2	27,645	1/2	42,710	1/2	57,763	1/2	72,841	1/2	87,918	1/2	102,996	1/2	118,070	1/2	133,140	1/2	148,210
3/4	12,882	3/4	27,959	3/4	43,023	3/4	58,077	3/4	73,155	3/4	88,232	3/4	103,310	3/4	118,384	3/4	133,454	3/4	148,524
10	13,196	10	28,273	10	43,336	10	58,391	10	73,469	10	88,547	10	103,624	10	118,698	10	133,768	10	148,838
1/4	13,510	1/4	28,587	1/4	43,649	1/4	58,705	1/4	73,783	1/4	88,861	1/4	103,938	1/4	119,012	1/4	134,082	1/4	149,152
1/2	13,824	1/2	28,900	1/2	43,962	1/2	59,020	1/2	74,097	1/2	89,175	1/2	104,252	1/2	119,326	1/2	134,396	1/2	149,466
3/4	14,139	3/4	29,214	3/4	44,276	3/4	59,334	3/4	74,411	3/4	89,489	3/4	104,567	3/4	119,640	3/4	134,710	3/4	149,780
11	14,453	11	29,528	11	44,589	11	59,648	11	74,725	11	89,803	11	104,881	11	119,954	11	135,024	11	150,094
1/4	14,767	1/4	29,842	1/4	44,902	1/4	59,962	1/4	75,039	1/4	90,117	1/4	105,195	1/4	120,267	1/4	135,338	1/4	150,408
1/2	15,081	1/2	30,156	1/2	45,215	1/2	60,276	1/2	75,354	1/2	90,431	1/2	105,509	1/2	120,581	1/2	135,651	1/2	150,722
3/4	15,395	3/4	30,470	3/4	45,528	3/4	60,590	3/4	75,668	3/4	90,745	3/4	105,823	3/4	120,895	3/4	135,965	3/4	151,036

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 3009"

2 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	151,349	0	166,420	0	181,479	0	196,498	0	211,420	0		0		0		0		0	
1/4	151,663	1/4	166,733	1/4	181,792	1/4	196,811	1/4	211,700	1/4		1/4		1/4		1/4		1/4	
1/2	151,977	1/2	167,047	1/2	182,105	1/2	197,124	1/2	211,980	1/2		1/2		1/2		1/2		1/2	
3/4	152,291	3/4	167,361	3/4	182,418	3/4	197,437	3/4	212,260	3/4		3/4		3/4		3/4		3/4	
1	152,605	1	167,675	1	182,731	1	197,749	1	212,540	1		1		1		1		1	
1/4	152,919	1/4	167,989	1/4	183,043	1/4	198,062	1/4	212,771	1/4		1/4		1/4		1/4		1/4	
1/2	153,233	1/2	168,303	1/2	183,356	1/2	198,375	1/2	213,003	1/2		1/2		1/2		1/2		1/2	
3/4	153,547	3/4	168,617	3/4	183,669	3/4	198,688	3/4	213,234	3/4		3/4		3/4		3/4		3/4	
2	153,861	2	168,931	2	183,982	2	199,001	2	213,466	2		2		2		2		2	
1/4	154,175	1/4	169,245	1/4	184,295	1/4	199,314	1/4	213,645	1/4		1/4		1/4		1/4		1/4	
1/2	154,489	1/2	169,559	1/2	184,608	1/2	199,627	1/2	213,824	1/2		1/2		1/2		1/2		1/2	
3/4	154,803	3/4	169,873	3/4	184,921	3/4	199,940	3/4	214,003	3/4		3/4		3/4		3/4		3/4	
3	155,117	3	170,187	3	185,234	3	200,253	3	214,182	3		3		3		3		3	
1/4	155,431	1/4	170,501	1/4	185,547	1/4	200,565	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,745	1/2	170,815	1/2	185,859	1/2	200,878	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,059	3/4	171,129	3/4	186,172	3/4	201,191	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,373	4	171,443	4	186,485	4	201,504	4		4		4		4		4		4	
1/4	156,687	1/4	171,757	1/4	186,798	1/4	201,817	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,001	1/2	172,071	1/2	187,111	1/2	202,130	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,315	3/4	172,385	3/4	187,424	3/4	202,443	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,629	5	172,699	5	187,737	5	202,756	5		5		5		5		5		5	
1/4	157,943	1/4	173,013	1/4	188,050	1/4	203,067	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,257	1/2	173,327	1/2	188,363	1/2	203,378	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,571	3/4	173,641	3/4	188,675	3/4	203,690	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,885	6	173,955	6	188,988	6	204,001	6		6		6		6		6		6	
1/4	159,198	1/4	174,269	1/4	189,301	1/4	204,311	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,512	1/2	174,582	1/2	189,614	1/2	204,621	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,826	3/4	174,896	3/4	189,927	3/4	204,931	3/4		3/4		3/4		3/4		3/4		3/4	
7	160,140	7	175,210	7	190,240	7	205,240	7		7		7		7		7		7	
1/4	160,454	1/4	175,524	1/4	190,553	1/4	205,550	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,768	1/2	175,838	1/2	190,866	1/2	205,860	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,082	3/4	176,152	3/4	191,179	3/4	206,170	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,396	8	176,466	8	191,492	8	206,480	8		8		8		8		8		8	
1/4	161,710	1/4	176,780	1/4	191,804	1/4	206,790	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,024	1/2	177,094	1/2	192,117	1/2	207,100	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,338	3/4	177,408	3/4	192,430	3/4	207,410	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,652	9	177,722	9	192,743	9	207,720	9		9		9		9		9		9	
1/4	162,966	1/4	178,036	1/4	193,056	1/4	208,029	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,280	1/2	178,349	1/2	193,369	1/2	208,339	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,594	3/4	178,662	3/4	193,682	3/4	208,649	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,908	10	178,976	10	193,995	10	208,959	10		10		10		10		10		10	
1/4	164,222	1/4	179,289	1/4	194,308	1/4	209,269	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,536	1/2	179,602	1/2	194,620	1/2	209,578	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,850	3/4	179,914	3/4	194,933	3/4	209,887	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,164	11	180,227	11	195,246	11	210,197	11		11		11		11		11		11	
1/4	165,478	1/4	180,540	1/4	195,559	1/4	210,503	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,792	1/2	180,853	1/2	195,872	1/2	210,808	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,106	3/4	181,166	3/4	196,185	3/4	211,114	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "HFL 3009"

3 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	1,027	0	15,613	0	30,582	0	45,323	0	59,861	0	74,752	0	89,698	0	104,657	0	119,606	0	134,551
1/4	1,261	1/4	15,925	1/4	30,894	1/4	45,624	1/4	60,173	1/4	75,062	1/4	90,010	1/4	104,969	1/4	119,917	1/4	134,862
1/2	1,495	1/2	16,237	1/2	31,206	1/2	45,926	1/2	60,484	1/2	75,372	1/2	90,322	1/2	105,281	1/2	120,228	1/2	135,174
3/4	1,730	3/4	16,549	3/4	31,518	3/4	46,227	3/4	60,796	3/4	75,681	3/4	90,633	3/4	105,592	3/4	120,540	3/4	135,485
1	1,964	1	16,860	1	31,830	1	46,528	1	61,107	1	75,991	1	90,945	1	105,904	1	120,851	1	135,796
1/4	2,256	1/4	17,172	1/4	32,142	1/4	46,830	1/4	61,419	1/4	76,301	1/4	91,256	1/4	106,216	1/4	121,162	1/4	136,108
1/2	2,548	1/2	17,484	1/2	32,454	1/2	47,131	1/2	61,730	1/2	76,611	1/2	91,568	1/2	106,527	1/2	121,474	1/2	136,419
3/4	2,840	3/4	17,796	3/4	32,765	3/4	47,433	3/4	62,042	3/4	76,921	3/4	91,879	3/4	106,839	3/4	121,785	3/4	136,730
2	3,132	2	18,108	2	33,077	2	47,735	2	62,353	2	77,231	2	92,191	2	107,151	2	122,097	2	137,042
1/4	3,444	1/4	18,420	1/4	33,389	1/4	48,037	1/4	62,664	1/4	77,542	1/4	92,502	1/4	107,462	1/4	122,408	1/4	137,353
1/2	3,755	1/2	18,732	1/2	33,701	1/2	48,339	1/2	62,975	1/2	77,852	1/2	92,814	1/2	107,774	1/2	122,719	1/2	137,665
3/4	4,066	3/4	19,044	3/4	34,013	3/4	48,641	3/4	63,286	3/4	78,163	3/4	93,125	3/4	108,085	3/4	123,031	3/4	137,976
3	4,378	3	19,356	3	34,325	3	48,943	3	63,596	3	78,474	3	93,437	3	108,397	3	123,342	3	138,287
1/4	4,690	1/4	19,668	1/4	34,636	1/4	49,245	1/4	63,906	1/4	78,786	1/4	93,748	1/4	108,708	1/4	123,653	1/4	138,599
1/2	5,002	1/2	19,980	1/2	34,948	1/2	49,547	1/2	64,216	1/2	79,098	1/2	94,060	1/2	109,019	1/2	123,965	1/2	138,910
3/4	5,314	3/4	20,291	3/4	35,259	3/4	49,849	3/4	64,526	3/4	79,410	3/4	94,371	3/4	109,331	3/4	124,276	3/4	139,221
4	5,626	4	20,603	4	35,570	4	50,151	4	64,836	4	79,722	4	94,683	4	109,642	4	124,587	4	139,533
1/4	5,938	1/4	20,915	1/4	35,878	1/4	50,453	1/4	65,146	1/4	80,033	1/4	94,994	1/4	109,954	1/4	124,899	1/4	139,844
1/2	6,250	1/2	21,227	1/2	36,186	1/2	50,755	1/2	65,455	1/2	80,345	1/2	95,306	1/2	110,265	1/2	125,210	1/2	140,155
3/4	6,562	3/4	21,539	3/4	36,494	3/4	51,057	3/4	65,765	3/4	80,657	3/4	95,617	3/4	110,576	3/4	125,522	3/4	140,467
5	6,874	5	21,851	5	36,801	5	51,359	5	66,075	5	80,969	5	95,929	5	110,888	5	125,833	5	140,778
1/4	7,186	1/4	22,163	1/4	37,106	1/4	51,661	1/4	66,385	1/4	81,281	1/4	96,240	1/4	111,199	1/4	126,144	1/4	141,089
1/2	7,499	1/2	22,475	1/2	37,411	1/2	51,963	1/2	66,695	1/2	81,593	1/2	96,552	1/2	111,510	1/2	126,456	1/2	141,400
3/4	7,811	3/4	22,787	3/4	37,715	3/4	52,266	3/4	67,005	3/4	81,904	3/4	96,863	3/4	111,822	3/4	126,767	3/4	141,711
6	8,123	6	23,099	6	38,020	6	52,568	6	67,315	6	82,216	6	97,175	6	112,133	6	127,078	6	142,022
1/4	8,435	1/4	23,410	1/4	38,324	1/4	52,870	1/4	67,625	1/4	82,528	1/4	97,487	1/4	112,444	1/4	127,390	1/4	142,329
1/2	8,747	1/2	23,722	1/2	38,629	1/2	53,172	1/2	67,934	1/2	82,840	1/2	97,798	1/2	112,756	1/2	127,701	1/2	142,635
3/4	9,060	3/4	24,034	3/4	38,933	3/4	53,474	3/4	68,244	3/4	83,152	3/4	98,110	3/4	113,067	3/4	128,012	3/4	142,942
7	9,372	7	24,346	7	39,238	7	53,776	7	68,554	7	83,464	7	98,422	7	113,379	7	128,324	7	143,249
1/4	9,684	1/4	24,658	1/4	39,543	1/4	54,078	1/4	68,864	1/4	83,775	1/4	98,733	1/4	113,690	1/4	128,635	1/4	143,543
1/2	9,997	1/2	24,970	1/2	39,847	1/2	54,380	1/2	69,174	1/2	84,087	1/2	99,045	1/2	114,001	1/2	128,946	1/2	143,837
3/4	10,309	3/4	25,282	3/4	40,152	3/4	54,682	3/4	69,484	3/4	84,399	3/4	99,357	3/4	114,313	3/4	129,258	3/4	144,131
8	10,622	8	25,594	8	40,456	8	54,984	8	69,794	8	84,711	8	99,669	8	114,624	8	129,569	8	144,426
1/4	10,934	1/4	25,906	1/4	40,761	1/4	55,286	1/4	70,104	1/4	85,023	1/4	99,980	1/4	114,935	1/4	129,881	1/4	144,704
1/2	11,246	1/2	26,217	1/2	41,066	1/2	55,588	1/2	70,413	1/2	85,335	1/2	100,292	1/2	115,247	1/2	130,192	1/2	144,982
3/4	11,558	3/4	26,529	3/4	41,370	3/4	55,890	3/4	70,723	3/4	85,646	3/4	100,604	3/4	115,558	3/4	130,503	3/4	145,260
9	11,870	9	26,841	9	41,675	9	56,192	9	71,033	9	85,958	9	100,916	9	115,869	9	130,815	9	145,539
1/4	12,182	1/4	27,153	1/4	41,979	1/4	56,496	1/4	71,343	1/4	86,270	1/4	101,228	1/4	116,181	1/4	131,126	1/4	145,801
1/2	12,494	1/2	27,465	1/2	42,284	1/2	56,799	1/2	71,653	1/2	86,582	1/2	101,539	1/2	116,492	1/2	131,437	1/2	146,064
3/4	12,806	3/4	27,776	3/4	42,588	3/4	57,103	3/4	71,963	3/4	86,894	3/4	101,851	3/4	116,803	3/4	131,749	3/4	146,326
10	13,118	10	28,088	10	42,893	10	57,407	10	72,273	10	87,206	10	102,163	10	117,115	10	132,060	10	146,589
1/4	13,430	1/4	28,400	1/4	43,198	1/4	57,712	1/4	72,583	1/4	87,517	1/4	102,475	1/4	117,426	1/4	132,371	1/4	146,836
1/2	13,741	1/2	28,711	1/2	43,502	1/2	58,017	1/2	72,892	1/2	87,829	1/2	102,786	1/2	117,738	1/2	132,683	1/2	147,083
3/4	14,053	3/4	29,023	3/4	43,807	3/4	58,322	3/4	73,202	3/4	88,141	3/4	103,098	3/4	118,049	3/4	132,994	3/4	147,330
11	14,365	11	29,335	11	44,111	11	58,628	11	73,512	11	88,452	11	103,410	11	118,360	11	133,305	11	147,576
1/4	14,677	1/4	29,647	1/4	44,414	1/4	58,936	1/4	73,822	1/4	88,764	1/4	103,722	1/4	118,672	1/4	133,617	1/4	147,807
1/2	14,989	1/2	29,959	1/2	44,717	1/2	59,244	1/2	74,132	1/2	89,075	1/2	104,034	1/2	118,983	1/2	133,928	1/2	148,038
3/4	15,301	3/4	30,270	3/4	45,020	3/4	59,553	3/4	74,442	3/4	89,387	3/4	104,345	3/4	119,294	3/4	134,240	3/4	148,269

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HFL 3009"

3 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	148,500	0	158,868	0	169,215	0	179,533	0	189,836	0		0		0		0		0	
1/4	148,719	1/4	159,084	1/4	169,430	1/4	179,748	1/4	190,029	1/4		1/4		1/4		1/4		1/4	
1/2	148,938	1/2	159,299	1/2	169,645	1/2	179,963	1/2	190,222	1/2		1/2		1/2		1/2		1/2	
3/4	149,157	3/4	159,515	3/4	169,860	3/4	180,178	3/4	190,415	3/4		3/4		3/4		3/4		3/4	
1	149,376	1	159,731	1	170,075	1	180,393	1	190,607	1		1		1		1		1	
1/4	149,592	1/4	159,947	1/4	170,290	1/4	180,607	1/4	190,767	1/4		1/4		1/4		1/4		1/4	
1/2	149,808	1/2	160,162	1/2	170,504	1/2	180,822	1/2	190,926	1/2		1/2		1/2		1/2		1/2	
3/4	150,024	3/4	160,378	3/4	170,719	3/4	181,037	3/4	191,086	3/4		3/4		3/4		3/4		3/4	
2	150,239	2	160,594	2	170,934	2	181,252	2	191,245	2		2		2		2		2	
1/4	150,455	1/4	160,809	1/4	171,149	1/4	181,467	1/4	191,369	1/4		1/4		1/4		1/4		1/4	
1/2	150,671	1/2	161,025	1/2	171,364	1/2	181,682	1/2	191,492	1/2		1/2		1/2		1/2		1/2	
3/4	150,886	3/4	161,241	3/4	171,579	3/4	181,897	3/4	191,616	3/4		3/4		3/4		3/4		3/4	
3	151,102	3	161,457	3	171,794	3	182,112	3	191,739	3		3		3		3		3	
1/4	151,318	1/4	161,672	1/4	172,009	1/4	182,327	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,534	1/2	161,888	1/2	172,224	1/2	182,542	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	151,749	3/4	162,104	3/4	172,439	3/4	182,757	3/4		3/4		3/4		3/4		3/4		3/4	
4	151,965	4	162,319	4	172,654	4	182,972	4		4		4		4		4		4	
1/4	152,181	1/4	162,535	1/4	172,869	1/4	183,187	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,396	1/2	162,751	1/2	173,084	1/2	183,402	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,612	3/4	162,967	3/4	173,299	3/4	183,617	3/4		3/4		3/4		3/4		3/4		3/4	
5	152,828	5	163,182	5	173,514	5	183,832	5		5		5		5		5		5	
1/4	153,044	1/4	163,398	1/4	173,729	1/4	184,047	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,259	1/2	163,614	1/2	173,944	1/2	184,262	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,475	3/4	163,829	3/4	174,159	3/4	184,477	3/4		3/4		3/4		3/4		3/4		3/4	
6	153,691	6	164,045	6	174,374	6	184,692	6		6		6		6		6		6	
1/4	153,907	1/4	164,261	1/4	174,589	1/4	184,907	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,122	1/2	164,477	1/2	174,804	1/2	185,122	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,338	3/4	164,692	3/4	175,019	3/4	185,337	3/4		3/4		3/4		3/4		3/4		3/4	
7	154,554	7	164,908	7	175,234	7	185,551	7		7		7		7		7		7	
1/4	154,769	1/4	165,124	1/4	175,448	1/4	185,766	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,985	1/2	165,339	1/2	175,663	1/2	185,981	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,201	3/4	165,555	3/4	175,878	3/4	186,197	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,417	8	165,771	8	176,093	8	186,412	8		8		8		8		8		8	
1/4	155,632	1/4	165,987	1/4	176,308	1/4	186,627	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,848	1/2	166,202	1/2	176,523	1/2	186,842	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,064	3/4	166,418	3/4	176,738	3/4	187,057	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,279	9	166,634	9	176,953	9	187,272	9		9		9		9		9		9	
1/4	156,495	1/4	166,849	1/4	177,168	1/4	187,487	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,711	1/2	167,064	1/2	177,383	1/2	187,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,927	3/4	167,280	3/4	177,598	3/4	187,917	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,142	10	167,495	10	177,813	10	188,132	10		10		10		10		10		10	
1/4	157,358	1/4	167,710	1/4	178,028	1/4	188,347	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,574	1/2	167,925	1/2	178,243	1/2	188,561	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,789	3/4	168,140	3/4	178,458	3/4	188,776	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,005	11	168,355	11	178,673	11	188,991	11		11		11		11		11		11	
1/4	158,221	1/4	168,570	1/4	178,888	1/4	189,202	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,437	1/2	168,785	1/2	179,103	1/2	189,413	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,652	3/4	169,000	3/4	179,318	3/4	189,625	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2017

PRECISION MEASUREMENT
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BARGE "HFL 3009"

3 STBD INNAGE 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	1,030	0	15,665	0	30,701	0	45,720	0	60,755	0	75,791	0	90,827	0	105,863	0	120,882	0	135,898
1/4	1,265	1/4	15,979	1/4	31,014	1/4	46,033	1/4	61,068	1/4	76,104	1/4	91,140	1/4	106,176	1/4	121,195	1/4	136,211
1/2	1,499	1/2	16,292	1/2	31,327	1/2	46,346	1/2	61,381	1/2	76,417	1/2	91,453	1/2	106,490	1/2	121,508	1/2	136,524
3/4	1,734	3/4	16,605	3/4	31,641	3/4	46,659	3/4	61,695	3/4	76,731	3/4	91,767	3/4	106,803	3/4	121,821	3/4	136,837
1	1,969	1	16,918	1	31,954	1	46,972	1	62,008	1	77,044	1	92,080	1	107,116	1	122,134	1	137,150
1/4	2,262	1/4	17,232	1/4	32,267	1/4	47,286	1/4	62,321	1/4	77,357	1/4	92,393	1/4	107,429	1/4	122,447	1/4	137,463
1/2	2,555	1/2	17,545	1/2	32,580	1/2	47,599	1/2	62,634	1/2	77,670	1/2	92,706	1/2	107,742	1/2	122,759	1/2	137,775
3/4	2,848	3/4	17,858	3/4	32,894	3/4	47,912	3/4	62,948	3/4	77,984	3/4	93,020	3/4	108,055	3/4	123,072	3/4	138,088
2	3,141	2	18,171	2	33,207	2	48,225	2	63,261	2	78,297	2	93,333	2	108,368	2	123,385	2	138,401
1/4	3,453	1/4	18,485	1/4	33,520	1/4	48,538	1/4	63,574	1/4	78,610	1/4	93,646	1/4	108,681	1/4	123,698	1/4	138,714
1/2	3,765	1/2	18,798	1/2	33,833	1/2	48,851	1/2	63,887	1/2	78,923	1/2	93,960	1/2	108,994	1/2	124,011	1/2	139,027
3/4	4,078	3/4	19,111	3/4	34,147	3/4	49,165	3/4	64,201	3/4	79,237	3/4	94,273	3/4	109,307	3/4	124,324	3/4	139,340
3	4,390	3	19,424	3	34,460	3	49,478	3	64,514	3	79,550	3	94,586	3	109,620	3	124,636	3	139,652
1/4	4,703	1/4	19,738	1/4	34,773	1/4	49,791	1/4	64,827	1/4	79,863	1/4	94,899	1/4	109,933	1/4	124,949	1/4	139,965
1/2	5,016	1/2	20,051	1/2	35,086	1/2	50,104	1/2	65,140	1/2	80,176	1/2	95,213	1/2	110,246	1/2	125,262	1/2	140,278
3/4	5,329	3/4	20,364	3/4	35,399	3/4	50,418	3/4	65,454	3/4	80,490	3/4	95,526	3/4	110,559	3/4	125,575	3/4	140,591
4	5,642	4	20,677	4	35,712	4	50,731	4	65,767	4	80,803	4	95,839	4	110,872	4	125,888	4	140,904
1/4	5,955	1/4	20,990	1/4	36,025	1/4	51,044	1/4	66,080	1/4	81,116	1/4	96,152	1/4	111,185	1/4	126,201	1/4	141,217
1/2	6,268	1/2	21,304	1/2	36,337	1/2	51,357	1/2	66,393	1/2	81,429	1/2	96,466	1/2	111,497	1/2	126,513	1/2	141,529
3/4	6,581	3/4	21,617	3/4	36,650	3/4	51,671	3/4	66,707	3/4	81,743	3/4	96,779	3/4	111,810	3/4	126,826	3/4	141,842
5	6,895	5	21,930	5	36,963	5	51,984	5	67,020	5	82,056	5	97,092	5	112,123	5	127,139	5	142,155
1/4	7,208	1/4	22,243	1/4	37,276	1/4	52,297	1/4	67,333	1/4	82,369	1/4	97,405	1/4	112,436	1/4	127,452	1/4	142,467
1/2	7,521	1/2	22,557	1/2	37,588	1/2	52,610	1/2	67,646	1/2	82,682	1/2	97,719	1/2	112,749	1/2	127,765	1/2	142,780
3/4	7,834	3/4	22,870	3/4	37,901	3/4	52,924	3/4	67,960	3/4	82,996	3/4	98,032	3/4	113,062	3/4	128,078	3/4	143,092
6	8,148	6	23,183	6	38,214	6	53,237	6	68,273	6	83,309	6	98,345	6	113,374	6	128,390	6	143,405
1/4	8,461	1/4	23,496	1/4	38,527	1/4	53,550	1/4	68,586	1/4	83,622	1/4	98,658	1/4	113,687	1/4	128,703	1/4	143,713
1/2	8,774	1/2	23,810	1/2	38,839	1/2	53,863	1/2	68,899	1/2	83,935	1/2	98,972	1/2	114,000	1/2	129,016	1/2	144,021
3/4	9,087	3/4	24,123	3/4	39,152	3/4	54,177	3/4	69,213	3/4	84,249	3/4	99,285	3/4	114,313	3/4	129,329	3/4	144,329
7	9,401	7	24,436	7	39,465	7	54,490	7	69,526	7	84,562	7	99,598	7	114,626	7	129,642	7	144,637
1/4	9,714	1/4	24,749	1/4	39,778	1/4	54,803	1/4	69,839	1/4	84,875	1/4	99,911	1/4	114,939	1/4	129,955	1/4	144,933
1/2	10,027	1/2	25,063	1/2	40,090	1/2	55,116	1/2	70,152	1/2	85,188	1/2	100,225	1/2	115,251	1/2	130,267	1/2	145,229
3/4	10,340	3/4	25,376	3/4	40,403	3/4	55,430	3/4	70,466	3/4	85,502	3/4	100,538	3/4	115,564	3/4	130,580	3/4	145,524
8	10,654	8	25,689	8	40,716	8	55,743	8	70,779	8	85,815	8	100,851	8	115,877	8	130,893	8	145,820
1/4	10,967	1/4	26,002	1/4	41,029	1/4	56,056	1/4	71,092	1/4	86,128	1/4	101,164	1/4	116,190	1/4	131,206	1/4	146,100
1/2	11,280	1/2	26,316	1/2	41,341	1/2	56,369	1/2	71,405	1/2	86,441	1/2	101,478	1/2	116,503	1/2	131,519	1/2	146,379
3/4	11,593	3/4	26,629	3/4	41,654	3/4	56,683	3/4	71,719	3/4	86,755	3/4	101,791	3/4	116,816	3/4	131,832	3/4	146,659
9	11,906	9	26,942	9	41,967	9	56,996	9	72,032	9	87,068	9	102,104	9	117,128	9	132,144	9	146,939
1/4	12,220	1/4	27,255	1/4	42,280	1/4	57,309	1/4	72,345	1/4	87,381	1/4	102,417	1/4	117,441	1/4	132,457	1/4	147,202
1/2	12,533	1/2	27,569	1/2	42,592	1/2	57,622	1/2	72,658	1/2	87,694	1/2	102,731	1/2	117,754	1/2	132,770	1/2	147,466
3/4	12,846	3/4	27,882	3/4	42,905	3/4	57,936	3/4	72,972	3/4	88,008	3/4	103,044	3/4	118,067	3/4	133,083	3/4	147,729
10	13,159	10	28,195	10	43,218	10	58,249	10	73,285	10	88,321	10	103,357	10	118,380	10	133,396	10	147,993
1/4	13,473	1/4	28,508	1/4	43,531	1/4	58,562	1/4	73,598	1/4	88,634	1/4	103,670	1/4	118,693	1/4	133,709	1/4	148,241
1/2	13,786	1/2	28,822	1/2	43,843	1/2	58,875	1/2	73,911	1/2	88,947	1/2	103,984	1/2	119,005	1/2	134,021	1/2	148,488
3/4	14,099	3/4	29,135	3/4	44,156	3/4	59,189	3/4	74,225	3/4	89,261	3/4	104,297	3/4	119,318	3/4	134,334	3/4	148,736
11	14,412	11	29,448	11	44,469	11	59,502	11	74,538	11	89,574	11	104,610	11	119,631	11	134,647	11	148,983
1/4	14,726	1/4	29,761	1/4	44,782	1/4	59,815	1/4	74,851	1/4	89,887	1/4	104,923	1/4	119,944	1/4	134,960	1/4	149,215
1/2	15,039	1/2	30,074	1/2	45,095	1/2	60,128	1/2	75,164	1/2	90,200	1/2	105,237	1/2	120,257	1/2	135,273	1/2	149,446
3/4	15,352	3/4	30,388	3/4	45,408	3/4	60,442	3/4	75,478	3/4	90,514	3/4	105,550	3/4	120,570	3/4	135,586	3/4	149,678

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HFL 3009"

3 STBD INNAGE 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	149,909	0	160,304	0	170,677	0	181,021	0	191,351	0		0		0		0		0	
1/4	150,129	1/4	160,520	1/4	170,893	1/4	181,237	1/4	191,544	1/4		1/4		1/4		1/4		1/4	
1/2	150,349	1/2	160,737	1/2	171,108	1/2	181,452	1/2	191,737	1/2		1/2		1/2		1/2		1/2	
3/4	150,569	3/4	160,953	3/4	171,324	3/4	181,668	3/4	191,931	3/4		3/4		3/4		3/4		3/4	
1	150,788	1	161,169	1	171,539	1	181,883	1	192,124	1		1		1		1		1	
1/4	151,005	1/4	161,385	1/4	171,755	1/4	182,099	1/4	192,284	1/4		1/4		1/4		1/4		1/4	
1/2	151,221	1/2	161,602	1/2	171,970	1/2	182,314	1/2	192,444	1/2		1/2		1/2		1/2		1/2	
3/4	151,437	3/4	161,818	3/4	172,186	3/4	182,530	3/4	192,603	3/4		3/4		3/4		3/4		3/4	
2	151,653	2	162,034	2	172,401	2	182,745	2	192,763	2		2		2		2		2	
1/4	151,870	1/4	162,250	1/4	172,617	1/4	182,961	1/4	192,887	1/4		1/4		1/4		1/4		1/4	
1/2	152,086	1/2	162,467	1/2	172,832	1/2	183,176	1/2	193,011	1/2		1/2		1/2		1/2		1/2	
3/4	152,302	3/4	162,683	3/4	173,048	3/4	183,392	3/4	193,135	3/4		3/4		3/4		3/4		3/4	
3	152,519	3	162,899	3	173,263	3	183,607	3	193,258	3		3		3		3		3	
1/4	152,735	1/4	163,115	1/4	173,479	1/4	183,823	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,951	1/2	163,332	1/2	173,694	1/2	184,038	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,167	3/4	163,548	3/4	173,910	3/4	184,254	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,384	4	163,764	4	174,125	4	184,469	4		4		4		4		4		4	
1/4	153,600	1/4	163,980	1/4	174,341	1/4	184,685	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,816	1/2	164,197	1/2	174,556	1/2	184,900	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,032	3/4	164,413	3/4	174,772	3/4	185,116	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,249	5	164,629	5	174,987	5	185,331	5		5		5		5		5		5	
1/4	154,465	1/4	164,846	1/4	175,203	1/4	185,547	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,681	1/2	165,062	1/2	175,418	1/2	185,762	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,897	3/4	165,278	3/4	175,634	3/4	185,978	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,114	6	165,494	6	175,849	6	186,193	6		6		6		6		6		6	
1/4	155,330	1/4	165,711	1/4	176,065	1/4	186,409	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,546	1/2	165,927	1/2	176,280	1/2	186,624	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,762	3/4	166,143	3/4	176,496	3/4	186,840	3/4		3/4		3/4		3/4		3/4		3/4	
7	155,979	7	166,359	7	176,711	7	187,055	7		7		7		7		7		7	
1/4	156,195	1/4	166,576	1/4	176,927	1/4	187,271	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,411	1/2	166,792	1/2	177,142	1/2	187,486	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,628	3/4	167,008	3/4	177,358	3/4	187,702	3/4		3/4		3/4		3/4		3/4		3/4	
8	156,844	8	167,224	8	177,573	8	187,917	8		8		8		8		8		8	
1/4	157,060	1/4	167,441	1/4	177,789	1/4	188,133	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,276	1/2	167,657	1/2	178,004	1/2	188,349	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,493	3/4	167,873	3/4	178,220	3/4	188,564	3/4		3/4		3/4		3/4		3/4		3/4	
9	157,709	9	168,089	9	178,435	9	188,780	9		9		9		9		9		9	
1/4	157,925	1/4	168,305	1/4	178,651	1/4	188,995	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,141	1/2	168,521	1/2	178,866	1/2	189,211	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,358	3/4	168,737	3/4	179,082	3/4	189,426	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,574	10	168,953	10	179,297	10	189,642	10		10		10		10		10		10	
1/4	158,790	1/4	169,169	1/4	179,513	1/4	189,857	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,006	1/2	169,384	1/2	179,728	1/2	190,073	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,223	3/4	169,600	3/4	179,944	3/4	190,288	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,439	11	169,815	11	180,159	11	190,503	11		11		11		11		11		11	
1/4	159,655	1/4	170,031	1/4	180,375	1/4	190,715	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,871	1/2	170,246	1/2	180,590	1/2	190,927	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,088	3/4	170,462	3/4	180,806	3/4	191,139	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "HFL 3009"

PORT SLOP TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	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	
1/2	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	
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	
1	193	1	1,347	1	2,502	1	3,656	1	4,810	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	
1/2	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	
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	
2	289	2	1,444	2	2,597	2	3,752	2	4,904	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	
1/2	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	
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	385	3	1,540	3	2,694	3	3,849	3	4,999	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	
1/2	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	
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	
4	481	4	1,636	4	2,790	4	3,945	4	5,093	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	
1/2	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	
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	
5	578	5	1,732	5	2,886	5	4,041	5	5,140	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	
1/2	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	
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	
6	674	6	1,829	6	2,982	6	4,137	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	
1/2	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	
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	
7	770	7	1,925	7	3,079	7	4,234	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	
1/2	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	
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	
8	866	8	2,021	8	3,175	8	4,330	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	
1/2	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	
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	
9	963	9	2,117	9	3,271	9	4,426	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	
1/2	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	
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	
10	1,059	10	2,214	10	3,367	10	4,522	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	
1/2	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	
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	
11	1,155	11	2,310	11	3,464	11	4,619	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	
1/2	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	
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	

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

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

CANCELS AND SUPERCEDES
 ALL PRIOR TO 01/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "HFL 3009"

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	
1/2	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	
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	
1	193	1	1,347	1	2,502	1	3,656	1	4,810	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	
1/2	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	
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	
2	289	2	1,444	2	2,597	2	3,752	2	4,904	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	
1/2	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	
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	385	3	1,540	3	2,694	3	3,849	3	4,999	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	
1/2	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	
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	
4	481	4	1,636	4	2,790	4	3,945	4	5,093	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	
1/2	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	
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	
5	578	5	1,732	5	2,886	5	4,041	5	5,140	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	
1/2	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	
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	
6	674	6	1,829	6	2,982	6	4,137	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	
1/2	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	
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	
7	770	7	1,925	7	3,079	7	4,234	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	
1/2	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	
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	
8	866	8	2,021	8	3,175	8	4,330	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	
1/2	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	
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	
9	963	9	2,117	9	3,271	9	4,426	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	
1/2	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	
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	
10	1,059	10	2,214	10	3,367	10	4,522	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	
1/2	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	
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	
11	1,155	11	2,310	11	3,464	11	4,619	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	
1/2	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	
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	

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CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

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Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HFL 3009"

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	

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