



# BARGE "HFL 465"

## 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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 STBD	- 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	- 00-1/4	00-1/4
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	- 00-0/8	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 = 4'-00"  
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

July 11, 2024

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

<http://www.pmacorp.net>



# BARGE "HFL 465"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	250	0	12,945	0	27,879	0	42,923	0	57,907	0	72,906	0	87,950	0	102,994	0	118,034	0	133,072
1/4	406	1/4	13,246	1/4	28,192	1/4	43,236	1/4	58,218	1/4	73,219	1/4	88,264	1/4	103,308	1/4	118,347	1/4	133,385
1/2	563	1/2	13,547	1/2	28,506	1/2	43,549	1/2	58,529	1/2	73,533	1/2	88,577	1/2	103,621	1/2	118,661	1/2	133,698
3/4	719	3/4	13,848	3/4	28,819	3/4	43,863	3/4	58,840	3/4	73,846	3/4	88,890	3/4	103,935	3/4	118,974	3/4	134,012
1	876	1	14,149	1	29,132	1	44,176	1	59,151	1	74,160	1	89,204	1	104,248	1	119,287	1	134,325
1/4	1,104	1/4	14,453	1/4	29,446	1/4	44,490	1/4	59,462	1/4	74,473	1/4	89,517	1/4	104,561	1/4	119,600	1/4	134,638
1/2	1,332	1/2	14,758	1/2	29,759	1/2	44,803	1/2	59,773	1/2	74,786	1/2	89,831	1/2	104,875	1/2	119,914	1/2	134,951
3/4	1,560	3/4	15,063	3/4	30,073	3/4	45,116	3/4	60,084	3/4	75,100	3/4	90,144	3/4	105,188	3/4	120,227	3/4	135,265
2	1,788	2	15,367	2	30,386	2	45,430	2	60,395	2	75,413	2	90,458	2	105,502	2	120,540	2	135,578
1/4	2,046	1/4	15,676	1/4	30,700	1/4	45,743	1/4	60,706	1/4	75,727	1/4	90,771	1/4	105,815	1/4	120,854	1/4	135,891
1/2	2,305	1/2	15,985	1/2	31,013	1/2	46,057	1/2	61,017	1/2	76,040	1/2	91,084	1/2	106,129	1/2	121,167	1/2	136,205
3/4	2,564	3/4	16,293	3/4	31,326	3/4	46,370	3/4	61,329	3/4	76,354	3/4	91,398	3/4	106,442	3/4	121,480	3/4	136,518
3	2,823	3	16,602	3	31,640	3	46,684	3	61,640	3	76,667	3	91,711	3	106,755	3	121,793	3	136,831
1/4	3,087	1/4	16,914	1/4	31,953	1/4	46,997	1/4	61,951	1/4	76,980	1/4	92,025	1/4	107,069	1/4	122,107	1/4	137,144
1/2	3,351	1/2	17,226	1/2	32,267	1/2	47,310	1/2	62,262	1/2	77,294	1/2	92,338	1/2	107,382	1/2	122,420	1/2	137,458
3/4	3,615	3/4	17,538	3/4	32,580	3/4	47,624	3/4	62,573	3/4	77,607	3/4	92,651	3/4	107,696	3/4	122,733	3/4	137,771
4	3,880	4	17,850	4	32,893	4	47,937	4	62,884	4	77,921	4	92,965	4	108,009	4	123,047	4	138,084
1/4	4,149	1/4	18,163	1/4	33,207	1/4	48,250	1/4	63,196	1/4	78,234	1/4	93,278	1/4	108,322	1/4	123,360	1/4	138,398
1/2	4,418	1/2	18,477	1/2	33,520	1/2	48,563	1/2	63,508	1/2	78,548	1/2	93,592	1/2	108,635	1/2	123,673	1/2	138,711
3/4	4,686	3/4	18,790	3/4	33,834	3/4	48,876	3/4	63,820	3/4	78,861	3/4	93,905	3/4	108,949	3/4	123,986	3/4	139,024
5	4,955	5	19,103	5	34,147	5	49,189	5	64,131	5	79,174	5	94,219	5	109,262	5	124,300	5	139,337
1/4	5,229	1/4	19,417	1/4	34,460	1/4	49,501	1/4	64,444	1/4	79,488	1/4	94,532	1/4	109,575	1/4	124,613	1/4	139,651
1/2	5,502	1/2	19,730	1/2	34,774	1/2	49,813	1/2	64,758	1/2	79,801	1/2	94,845	1/2	109,889	1/2	124,926	1/2	139,964
3/4	5,776	3/4	20,044	3/4	35,087	3/4	50,125	3/4	65,071	3/4	80,115	3/4	95,159	3/4	110,202	3/4	125,240	3/4	140,277
6	6,049	6	20,357	6	35,401	6	50,437	6	65,384	6	80,428	6	95,472	6	110,515	6	125,553	6	140,591
1/4	6,327	1/4	20,670	1/4	35,714	1/4	50,749	1/4	65,697	1/4	80,741	1/4	95,786	1/4	110,828	1/4	125,866	1/4	140,904
1/2	6,604	1/2	20,984	1/2	36,028	1/2	51,061	1/2	66,011	1/2	81,055	1/2	96,099	1/2	111,142	1/2	126,179	1/2	141,217
3/4	6,882	3/4	21,297	3/4	36,341	3/4	51,373	3/4	66,324	3/4	81,368	3/4	96,412	3/4	111,455	3/4	126,493	3/4	141,530
7	7,159	7	21,611	7	36,654	7	51,685	7	66,638	7	81,682	7	96,726	7	111,768	7	126,806	7	141,844
1/4	7,441	1/4	21,924	1/4	36,968	1/4	51,996	1/4	66,951	1/4	81,995	1/4	97,039	1/4	112,082	1/4	127,119	1/4	142,157
1/2	7,722	1/2	22,237	1/2	37,281	1/2	52,307	1/2	67,264	1/2	82,309	1/2	97,353	1/2	112,395	1/2	127,433	1/2	142,470
3/4	8,004	3/4	22,551	3/4	37,595	3/4	52,619	3/4	67,578	3/4	82,622	3/4	97,666	3/4	112,708	3/4	127,746	3/4	142,784
8	8,285	8	22,864	8	37,908	8	52,930	8	67,891	8	82,935	8	97,980	8	113,021	8	128,059	8	143,097
1/4	8,571	1/4	23,178	1/4	38,221	1/4	53,241	1/4	68,205	1/4	83,249	1/4	98,293	1/4	113,335	1/4	128,372	1/4	143,410
1/2	8,856	1/2	23,491	1/2	38,535	1/2	53,552	1/2	68,518	1/2	83,562	1/2	98,606	1/2	113,648	1/2	128,686	1/2	143,723
3/4	9,142	3/4	23,805	3/4	38,848	3/4	53,863	3/4	68,831	3/4	83,876	3/4	98,920	3/4	113,961	3/4	128,999	3/4	144,037
9	9,427	9	24,118	9	39,162	9	54,174	9	69,145	9	84,189	9	99,233	9	114,275	9	129,312	9	144,350
1/4	9,717	1/4	24,431	1/4	39,475	1/4	54,485	1/4	69,458	1/4	84,503	1/4	99,547	1/4	114,588	1/4	129,626	1/4	144,663
1/2	10,006	1/2	24,745	1/2	39,788	1/2	54,796	1/2	69,772	1/2	84,816	1/2	99,860	1/2	114,901	1/2	129,939	1/2	144,977
3/4	10,295	3/4	25,058	3/4	40,102	3/4	55,108	3/4	70,085	3/4	85,129	3/4	100,174	3/4	115,214	3/4	130,252	3/4	145,290
10	10,584	10	25,372	10	40,415	10	55,419	10	70,399	10	85,443	10	100,487	10	115,528	10	130,565	10	145,603
1/4	10,878	1/4	25,685	1/4	40,729	1/4	55,730	1/4	70,712	1/4	85,756	1/4	100,800	1/4	115,841	1/4	130,879	1/4	145,916
1/2	11,171	1/2	25,998	1/2	41,042	1/2	56,041	1/2	71,025	1/2	86,070	1/2	101,114	1/2	116,154	1/2	131,192	1/2	146,230
3/4	11,464	3/4	26,312	3/4	41,356	3/4	56,352	3/4	71,339	3/4	86,383	3/4	101,427	3/4	116,468	3/4	131,505	3/4	146,543
11	11,757	11	26,625	11	41,669	11	56,663	11	71,652	11	86,696	11	101,741	11	116,781	11	131,819	11	146,856
1/4	12,054	1/4	26,939	1/4	41,982	1/4	56,974	1/4	71,966	1/4	87,010	1/4	102,054	1/4	117,094	1/4	132,132	1/4	147,170
1/2	12,351	1/2	27,252	1/2	42,296	1/2	57,285	1/2	72,279	1/2	87,323	1/2	102,367	1/2	117,407	1/2	132,445	1/2	147,483
3/4	12,648	3/4	27,565	3/4	42,609	3/4	57,596	3/4	72,593	3/4	87,637	3/4	102,681	3/4	117,721	3/4	132,758	3/4	147,796

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 LIP OF 2" "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-6" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HFL 465"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	148,109	0	163,147	0	178,176	0	193,170	0	208,093	0		0		0		0		0	
1/4	148,423	1/4	163,460	1/4	178,489	1/4	193,483	1/4	208,394	1/4		1/4		1/4		1/4		1/4	
1/2	148,736	1/2	163,774	1/2	178,801	1/2	193,795	1/2	208,694	1/2		1/2		1/2		1/2		1/2	
3/4	149,049	3/4	164,087	3/4	179,114	3/4	194,107	3/4	208,995	3/4		3/4		3/4		3/4		3/4	
1	149,363	1	164,400	1	179,426	1	194,420	1	209,296	1		1		1		1		1	
1/4	149,676	1/4	164,713	1/4	179,738	1/4	194,732	1/4	209,567	1/4		1/4		1/4		1/4		1/4	
1/2	149,989	1/2	165,027	1/2	180,051	1/2	195,044	1/2	209,838	1/2		1/2		1/2		1/2		1/2	
3/4	150,302	3/4	165,340	3/4	180,363	3/4	195,357	3/4	210,109	3/4		3/4		3/4		3/4		3/4	
2	150,616	2	165,653	2	180,675	2	195,669	2	210,380	2		2		2		2		2	
1/4	150,929	1/4	165,967	1/4	180,988	1/4	195,982	1/4	210,599	1/4		1/4		1/4		1/4		1/4	
1/2	151,242	1/2	166,280	1/2	181,300	1/2	196,294	1/2	210,818	1/2		1/2		1/2		1/2		1/2	
3/4	151,555	3/4	166,593	3/4	181,613	3/4	196,606	3/4	211,037	3/4		3/4		3/4		3/4		3/4	
3	151,869	3	166,906	3	181,925	3	196,919	3	211,256	3		3		3		3		3	
1/4	152,182	1/4	167,220	1/4	182,237	1/4	197,231	1/4	211,423	1/4		1/4		1/4		1/4		1/4	
1/2	152,495	1/2	167,533	1/2	182,550	1/2	197,543	1/2	211,589	1/2		1/2		1/2		1/2		1/2	
3/4	152,809	3/4	167,846	3/4	182,862	3/4	197,856	3/4	211,756	3/4		3/4		3/4		3/4		3/4	
4	153,122	4	168,160	4	183,174	4	198,168	4	211,923	4		4		4		4		4	
1/4	153,435	1/4	168,473	1/4	183,487	1/4	198,481	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,748	1/2	168,786	1/2	183,799	1/2	198,793	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,062	3/4	169,099	3/4	184,112	3/4	199,105	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,375	5	169,413	5	184,424	5	199,418	5		5		5		5		5		5	
1/4	154,688	1/4	169,726	1/4	184,736	1/4	199,730	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,002	1/2	170,039	1/2	185,049	1/2	200,041	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,315	3/4	170,353	3/4	185,361	3/4	200,353	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,628	6	170,666	6	185,673	6	200,665	6		6		6		6		6		6	
1/4	155,941	1/4	170,979	1/4	185,986	1/4	200,975	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,255	1/2	171,292	1/2	186,298	1/2	201,285	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,568	3/4	171,606	3/4	186,610	3/4	201,596	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,881	7	171,919	7	186,923	7	201,906	7		7		7		7		7		7	
1/4	157,195	1/4	172,232	1/4	187,235	1/4	202,216	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,508	1/2	172,546	1/2	187,548	1/2	202,526	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,821	3/4	172,859	3/4	187,860	3/4	202,837	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,134	8	173,172	8	188,172	8	203,147	8		8		8		8		8		8	
1/4	158,448	1/4	173,485	1/4	188,485	1/4	203,457	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,761	1/2	173,799	1/2	188,797	1/2	203,767	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,074	3/4	174,112	3/4	189,109	3/4	204,077	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,388	9	174,425	9	189,422	9	204,387	9		9		9		9		9		9	
1/4	159,701	1/4	174,738	1/4	189,734	1/4	204,697	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,014	1/2	175,051	1/2	190,047	1/2	205,006	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,327	3/4	175,364	3/4	190,359	3/4	205,316	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,641	10	175,677	10	190,671	10	205,626	10		10		10		10		10		10	
1/4	160,954	1/4	175,990	1/4	190,984	1/4	205,935	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,267	1/2	176,302	1/2	191,296	1/2	206,244	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,581	3/4	176,615	3/4	191,608	3/4	206,553	3/4		3/4		3/4		3/4		3/4		3/4	
11	161,894	11	176,927	11	191,921	11	206,861	11		11		11		11		11		11	
1/4	162,207	1/4	177,239	1/4	192,233	1/4	207,169	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,520	1/2	177,552	1/2	192,546	1/2	207,477	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,834	3/4	177,864	3/4	192,858	3/4	207,785	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2024 JS  
CALCULATED: 07/12/2024 CL  
PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2024

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



# BARGE "HFL 465"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	250	0	12,918	0	27,817	0	42,825	0	57,829	0	72,834	0	87,843	0	102,852	0	117,856	0	132,858
1/4	406	1/4	13,218	1/4	28,129	1/4	43,137	1/4	58,141	1/4	73,147	1/4	88,156	1/4	103,164	1/4	118,168	1/4	133,171
1/2	563	1/2	13,518	1/2	28,442	1/2	43,450	1/2	58,454	1/2	73,460	1/2	88,468	1/2	103,477	1/2	118,481	1/2	133,483
3/4	719	3/4	13,819	3/4	28,755	3/4	43,763	3/4	58,766	3/4	73,773	3/4	88,781	3/4	103,790	3/4	118,794	3/4	133,796
1	875	1	14,119	1	29,067	1	44,076	1	59,079	1	74,085	1	89,094	1	104,102	1	119,106	1	134,108
1/4	1,103	1/4	14,423	1/4	29,380	1/4	44,388	1/4	59,391	1/4	74,398	1/4	89,407	1/4	104,415	1/4	119,419	1/4	134,421
1/2	1,330	1/2	14,727	1/2	29,693	1/2	44,701	1/2	59,704	1/2	74,711	1/2	89,719	1/2	104,728	1/2	119,731	1/2	134,733
3/4	1,557	3/4	15,031	3/4	30,005	3/4	45,014	3/4	60,016	3/4	75,023	3/4	90,032	3/4	105,040	3/4	120,044	3/4	135,046
2	1,785	2	15,335	2	30,318	2	45,326	2	60,328	2	75,336	2	90,345	2	105,353	2	120,356	2	135,358
1/4	2,043	1/4	15,643	1/4	30,631	1/4	45,639	1/4	60,641	1/4	75,649	1/4	90,657	1/4	105,666	1/4	120,669	1/4	135,671
1/2	2,301	1/2	15,951	1/2	30,943	1/2	45,952	1/2	60,953	1/2	75,961	1/2	90,970	1/2	105,979	1/2	120,981	1/2	135,983
3/4	2,560	3/4	16,258	3/4	31,256	3/4	46,264	3/4	61,266	3/4	76,274	3/4	91,283	3/4	106,291	3/4	121,294	3/4	136,296
3	2,818	3	16,566	3	31,569	3	46,577	3	61,578	3	76,587	3	91,595	3	106,604	3	121,606	3	136,609
1/4	3,082	1/4	16,878	1/4	31,881	1/4	46,890	1/4	61,891	1/4	76,899	1/4	91,908	1/4	106,917	1/4	121,919	1/4	136,921
1/2	3,345	1/2	17,189	1/2	32,194	1/2	47,202	1/2	62,204	1/2	77,212	1/2	92,221	1/2	107,229	1/2	122,232	1/2	137,234
3/4	3,609	3/4	17,500	3/4	32,507	3/4	47,515	3/4	62,516	3/4	77,525	3/4	92,533	3/4	107,542	3/4	122,544	3/4	137,546
4	3,873	4	17,811	4	32,819	4	47,828	4	62,829	4	77,837	4	92,846	4	107,854	4	122,857	4	137,859
1/4	4,141	1/4	18,124	1/4	33,132	1/4	48,140	1/4	63,141	1/4	78,150	1/4	93,159	1/4	108,167	1/4	123,169	1/4	138,171
1/2	4,409	1/2	18,437	1/2	33,445	1/2	48,453	1/2	63,454	1/2	78,463	1/2	93,471	1/2	108,480	1/2	123,482	1/2	138,484
3/4	4,678	3/4	18,749	3/4	33,757	3/4	48,766	3/4	63,767	3/4	78,775	3/4	93,784	3/4	108,792	3/4	123,794	3/4	138,796
5	4,946	5	19,062	5	34,070	5	49,078	5	64,079	5	79,088	5	94,097	5	109,105	5	124,107	5	139,109
1/4	5,219	1/4	19,375	1/4	34,383	1/4	49,391	1/4	64,392	1/4	79,401	1/4	94,409	1/4	109,417	1/4	124,419	1/4	139,422
1/2	5,492	1/2	19,687	1/2	34,695	1/2	49,704	1/2	64,705	1/2	79,713	1/2	94,722	1/2	109,730	1/2	124,732	1/2	139,734
3/4	5,765	3/4	20,000	3/4	35,008	3/4	50,016	3/4	65,017	3/4	80,026	3/4	95,035	3/4	110,042	3/4	125,044	3/4	140,047
6	6,037	6	20,313	6	35,321	6	50,329	6	65,330	6	80,339	6	95,347	6	110,355	6	125,357	6	140,359
1/4	6,314	1/4	20,625	1/4	35,633	1/4	50,642	1/4	65,643	1/4	80,651	1/4	95,660	1/4	110,667	1/4	125,670	1/4	140,672
1/2	6,591	1/2	20,938	1/2	35,946	1/2	50,954	1/2	65,956	1/2	80,964	1/2	95,973	1/2	110,980	1/2	125,982	1/2	140,984
3/4	6,868	3/4	21,251	3/4	36,259	3/4	51,267	3/4	66,268	3/4	81,277	3/4	96,285	3/4	111,292	3/4	126,295	3/4	141,297
7	7,145	7	21,563	7	36,571	7	51,579	7	66,581	7	81,590	7	96,598	7	111,605	7	126,607	7	141,609
1/4	7,426	1/4	21,876	1/4	36,884	1/4	51,892	1/4	66,894	1/4	81,902	1/4	96,911	1/4	111,918	1/4	126,920	1/4	141,922
1/2	7,707	1/2	22,189	1/2	37,197	1/2	52,205	1/2	67,206	1/2	82,215	1/2	97,224	1/2	112,230	1/2	127,232	1/2	142,234
3/4	7,988	3/4	22,501	3/4	37,509	3/4	52,517	3/4	67,519	3/4	82,528	3/4	97,536	3/4	112,543	3/4	127,545	3/4	142,547
8	8,269	8	22,814	8	37,822	8	52,830	8	67,832	8	82,840	8	97,849	8	112,855	8	127,857	8	142,860
1/4	8,554	1/4	23,127	1/4	38,135	1/4	53,142	1/4	68,144	1/4	83,153	1/4	98,162	1/4	113,168	1/4	128,170	1/4	143,172
1/2	8,839	1/2	23,439	1/2	38,447	1/2	53,455	1/2	68,457	1/2	83,466	1/2	98,474	1/2	113,480	1/2	128,482	1/2	143,485
3/4	9,123	3/4	23,752	3/4	38,760	3/4	53,767	3/4	68,770	3/4	83,778	3/4	98,787	3/4	113,793	3/4	128,795	3/4	143,797
9	9,408	9	24,065	9	39,073	9	54,079	9	69,082	9	84,091	9	99,100	9	114,105	9	129,108	9	144,110
1/4	9,697	1/4	24,377	1/4	39,385	1/4	54,392	1/4	69,395	1/4	84,404	1/4	99,412	1/4	114,418	1/4	129,420	1/4	144,422
1/2	9,985	1/2	24,690	1/2	39,698	1/2	54,704	1/2	69,708	1/2	84,716	1/2	99,725	1/2	114,730	1/2	129,733	1/2	144,735
3/4	10,274	3/4	25,003	3/4	40,011	3/4	55,017	3/4	70,020	3/4	85,029	3/4	100,038	3/4	115,043	3/4	130,045	3/4	145,047
10	10,563	10	25,315	10	40,323	10	55,329	10	70,333	10	85,342	10	100,350	10	115,356	10	130,358	10	145,360
1/4	10,855	1/4	25,628	1/4	40,636	1/4	55,642	1/4	70,646	1/4	85,654	1/4	100,663	1/4	115,668	1/4	130,670	1/4	145,673
1/2	11,148	1/2	25,941	1/2	40,949	1/2	55,954	1/2	70,958	1/2	85,967	1/2	100,976	1/2	115,981	1/2	130,983	1/2	145,985
3/4	11,440	3/4	26,253	3/4	41,261	3/4	56,267	3/4	71,271	3/4	86,280	3/4	101,288	3/4	116,293	3/4	131,295	3/4	146,298
11	11,733	11	26,566	11	41,574	11	56,579	11	71,584	11	86,592	11	101,601	11	116,606	11	131,608	11	146,610
1/4	12,029	1/4	26,879	1/4	41,887	1/4	56,891	1/4	71,896	1/4	86,905	1/4	101,914	1/4	116,918	1/4	131,920	1/4	146,923
1/2	12,325	1/2	27,191	1/2	42,199	1/2	57,204	1/2	72,209	1/2	87,218	1/2	102,226	1/2	117,231	1/2	132,233	1/2	147,235
3/4	12,622	3/4	27,504	3/4	42,512	3/4	57,516	3/4	72,522	3/4	87,530	3/4	102,539	3/4	117,543	3/4	132,546	3/4	147,548

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 LIP OF 2" "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-6" FORWARD OF AFT BULKHEAD.

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





# BARGE "HFL 465"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	147,860	0	162,863	0	177,857	0	192,816	0	207,703	0		0		0		0		0	
1/4	148,173	1/4	163,175	1/4	178,169	1/4	193,127	1/4	208,003	1/4		1/4		1/4		1/4		1/4	
1/2	148,485	1/2	163,488	1/2	178,480	1/2	193,439	1/2	208,304	1/2		1/2		1/2		1/2		1/2	
3/4	148,798	3/4	163,800	3/4	178,792	3/4	193,751	3/4	208,604	3/4		3/4		3/4		3/4		3/4	
1	149,111	1	164,113	1	179,104	1	194,062	1	208,904	1		1		1		1		1	
1/4	149,423	1/4	164,426	1/4	179,415	1/4	194,374	1/4	209,174	1/4		1/4		1/4		1/4		1/4	
1/2	149,736	1/2	164,738	1/2	179,727	1/2	194,685	1/2	209,445	1/2		1/2		1/2		1/2		1/2	
3/4	150,048	3/4	165,051	3/4	180,038	3/4	194,997	3/4	209,715	3/4		3/4		3/4		3/4		3/4	
2	150,361	2	165,363	2	180,350	2	195,309	2	209,985	2		2		2		2		2	
1/4	150,673	1/4	165,676	1/4	180,662	1/4	195,620	1/4	210,204	1/4		1/4		1/4		1/4		1/4	
1/2	150,986	1/2	165,988	1/2	180,973	1/2	195,932	1/2	210,422	1/2		1/2		1/2		1/2		1/2	
3/4	151,298	3/4	166,301	3/4	181,285	3/4	196,244	3/4	210,641	3/4		3/4		3/4		3/4		3/4	
3	151,611	3	166,613	3	181,597	3	196,555	3	210,859	3		3		3		3		3	
1/4	151,924	1/4	166,926	1/4	181,908	1/4	196,867	1/4	211,025	1/4		1/4		1/4		1/4		1/4	
1/2	152,236	1/2	167,238	1/2	182,220	1/2	197,179	1/2	211,192	1/2		1/2		1/2		1/2		1/2	
3/4	152,549	3/4	167,551	3/4	182,532	3/4	197,490	3/4	211,358	3/4		3/4		3/4		3/4		3/4	
4	152,861	4	167,864	4	182,843	4	197,802	4	211,524	4		4		4		4		4	
1/4	153,174	1/4	168,176	1/4	183,155	1/4	198,114	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,486	1/2	168,489	1/2	183,466	1/2	198,425	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,799	3/4	168,801	3/4	183,778	3/4	198,737	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,111	5	169,114	5	184,090	5	199,048	5		5		5		5		5		5	
1/4	154,424	1/4	169,426	1/4	184,401	1/4	199,360	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,736	1/2	169,739	1/2	184,713	1/2	199,671	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,049	3/4	170,051	3/4	185,025	3/4	199,982	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,362	6	170,364	6	185,336	6	200,293	6		6		6		6		6		6	
1/4	155,674	1/4	170,677	1/4	185,648	1/4	200,602	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,987	1/2	170,989	1/2	185,960	1/2	200,912	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,299	3/4	171,302	3/4	186,271	3/4	201,221	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,612	7	171,614	7	186,583	7	201,531	7		7		7		7		7		7	
1/4	156,924	1/4	171,927	1/4	186,895	1/4	201,840	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,237	1/2	172,239	1/2	187,206	1/2	202,150	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,549	3/4	172,552	3/4	187,518	3/4	202,459	3/4		3/4		3/4		3/4		3/4		3/4	
8	157,862	8	172,864	8	187,829	8	202,769	8		8		8		8		8		8	
1/4	158,175	1/4	173,177	1/4	188,141	1/4	203,078	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,487	1/2	173,489	1/2	188,453	1/2	203,387	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,800	3/4	173,802	3/4	188,764	3/4	203,697	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,112	9	174,115	9	189,076	9	204,006	9		9		9		9		9		9	
1/4	159,425	1/4	174,427	1/4	189,388	1/4	204,315	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,737	1/2	174,739	1/2	189,699	1/2	204,624	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,050	3/4	175,052	3/4	190,011	3/4	204,933	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,362	10	175,364	10	190,323	10	205,242	10		10		10		10		10		10	
1/4	160,675	1/4	175,676	1/4	190,634	1/4	205,550	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,987	1/2	175,987	1/2	190,946	1/2	205,858	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,300	3/4	176,299	3/4	191,257	3/4	206,167	3/4		3/4		3/4		3/4		3/4		3/4	
11	161,613	11	176,610	11	191,569	11	206,475	11		11		11		11		11		11	
1/4	161,925	1/4	176,922	1/4	191,881	1/4	206,782	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,238	1/2	177,234	1/2	192,192	1/2	207,089	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,550	3/4	177,545	3/4	192,504	3/4	207,396	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2024 JS  
CALCULATED: 07/12/2024 CL  
PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2024

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



# BARGE "HFL 465"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	835	0	15,345	0	30,395	0	45,087	0	59,560	0	74,389	0	89,443	0	104,496	0	119,544	0	134,590
1/4	1,050	1/4	15,658	1/4	30,709	1/4	45,388	1/4	59,861	1/4	74,703	1/4	89,756	1/4	104,809	1/4	119,857	1/4	134,903
1/2	1,266	1/2	15,972	1/2	31,022	1/2	45,689	1/2	60,163	1/2	75,017	1/2	90,070	1/2	105,123	1/2	120,171	1/2	135,217
3/4	1,481	3/4	16,285	3/4	31,336	3/4	45,990	3/4	60,465	3/4	75,330	3/4	90,383	3/4	105,437	3/4	120,484	3/4	135,530
1	1,697	1	16,599	1	31,649	1	46,291	1	60,767	1	75,644	1	90,697	1	105,750	1	120,798	1	135,843
1/4	1,980	1/4	16,913	1/4	31,963	1/4	46,592	1/4	61,069	1/4	75,957	1/4	91,011	1/4	106,064	1/4	121,111	1/4	136,157
1/2	2,263	1/2	17,226	1/2	32,277	1/2	46,893	1/2	61,371	1/2	76,271	1/2	91,324	1/2	106,378	1/2	121,425	1/2	136,470
3/4	2,546	3/4	17,540	3/4	32,590	3/4	47,193	3/4	61,673	3/4	76,585	3/4	91,638	3/4	106,691	3/4	121,738	3/4	136,784
2	2,829	2	17,853	2	32,904	2	47,494	2	61,974	2	76,898	2	91,951	2	107,005	2	122,052	2	137,097
1/4	3,139	1/4	18,167	1/4	33,217	1/4	47,795	1/4	62,276	1/4	77,212	1/4	92,265	1/4	107,318	1/4	122,365	1/4	137,411
1/2	3,449	1/2	18,481	1/2	33,531	1/2	48,096	1/2	62,578	1/2	77,525	1/2	92,579	1/2	107,632	1/2	122,678	1/2	137,724
3/4	3,759	3/4	18,794	3/4	33,845	3/4	48,397	3/4	62,880	3/4	77,839	3/4	92,892	3/4	107,946	3/4	122,992	3/4	138,038
3	4,070	3	19,108	3	34,158	3	48,698	3	63,182	3	78,153	3	93,206	3	108,259	3	123,305	3	138,351
1/4	4,381	1/4	19,421	1/4	34,472	1/4	48,999	1/4	63,484	1/4	78,466	1/4	93,520	1/4	108,573	1/4	123,619	1/4	138,665
1/2	4,693	1/2	19,735	1/2	34,785	1/2	49,301	1/2	63,785	1/2	78,780	1/2	93,833	1/2	108,886	1/2	123,932	1/2	138,978
3/4	5,005	3/4	20,049	3/4	35,099	3/4	49,602	3/4	64,087	3/4	79,093	3/4	94,147	3/4	109,200	3/4	124,246	3/4	139,291
4	5,316	4	20,362	4	35,413	4	49,903	4	64,389	4	79,407	4	94,460	4	109,513	4	124,559	4	139,605
1/4	5,629	1/4	20,676	1/4	35,723	1/4	50,204	1/4	64,694	1/4	79,721	1/4	94,774	1/4	109,827	1/4	124,873	1/4	139,918
1/2	5,941	1/2	20,989	1/2	36,034	1/2	50,505	1/2	64,999	1/2	80,034	1/2	95,088	1/2	110,140	1/2	125,186	1/2	140,232
3/4	6,254	3/4	21,303	3/4	36,345	3/4	50,807	3/4	65,303	3/4	80,348	3/4	95,401	3/4	110,454	3/4	125,500	3/4	140,545
5	6,566	5	21,617	5	36,655	5	51,108	5	65,608	5	80,662	5	95,715	5	110,767	5	125,813	5	140,859
1/4	6,879	1/4	21,930	1/4	36,957	1/4	51,410	1/4	65,922	1/4	80,975	1/4	96,028	1/4	111,081	1/4	126,126	1/4	141,172
1/2	7,193	1/2	22,244	1/2	37,259	1/2	51,712	1/2	66,235	1/2	81,289	1/2	96,342	1/2	111,394	1/2	126,440	1/2	141,486
3/4	7,506	3/4	22,557	3/4	37,561	3/4	52,014	3/4	66,549	3/4	81,602	3/4	96,656	3/4	111,708	3/4	126,753	3/4	141,799
6	7,819	6	22,871	6	37,863	6	52,315	6	66,863	6	81,916	6	96,969	6	112,021	6	127,067	6	142,112
1/4	8,132	1/4	23,185	1/4	38,164	1/4	52,617	1/4	67,176	1/4	82,230	1/4	97,283	1/4	112,335	1/4	127,380	1/4	142,426
1/2	8,446	1/2	23,498	1/2	38,466	1/2	52,919	1/2	67,490	1/2	82,543	1/2	97,596	1/2	112,648	1/2	127,694	1/2	142,739
3/4	8,759	3/4	23,812	3/4	38,767	3/4	53,221	3/4	67,804	3/4	82,857	3/4	97,910	3/4	112,961	3/4	128,007	3/4	143,053
7	9,073	7	24,125	7	39,069	7	53,523	7	68,117	7	83,170	7	98,224	7	113,275	7	128,321	7	143,366
1/4	9,386	1/4	24,439	1/4	39,370	1/4	53,825	1/4	68,431	1/4	83,484	1/4	98,537	1/4	113,588	1/4	128,634	1/4	143,680
1/2	9,700	1/2	24,753	1/2	39,671	1/2	54,126	1/2	68,744	1/2	83,798	1/2	98,851	1/2	113,902	1/2	128,947	1/2	143,993
3/4	10,013	3/4	25,066	3/4	39,972	3/4	54,428	3/4	69,058	3/4	84,111	3/4	99,164	3/4	114,215	3/4	129,261	3/4	144,307
8	10,327	8	25,380	8	40,273	8	54,730	8	69,372	8	84,425	8	99,478	8	114,529	8	129,574	8	144,620
1/4	10,641	1/4	25,693	1/4	40,574	1/4	55,032	1/4	69,685	1/4	84,738	1/4	99,792	1/4	114,842	1/4	129,888	1/4	144,934
1/2	10,954	1/2	26,007	1/2	40,874	1/2	55,334	1/2	69,999	1/2	85,052	1/2	100,105	1/2	115,156	1/2	130,201	1/2	145,247
3/4	11,268	3/4	26,320	3/4	41,175	3/4	55,636	3/4	70,312	3/4	85,366	3/4	100,419	3/4	115,469	3/4	130,515	3/4	145,560
9	11,581	9	26,634	9	41,476	9	55,938	9	70,626	9	85,679	9	100,733	9	115,783	9	130,828	9	145,874
1/4	11,895	1/4	26,947	1/4	41,777	1/4	56,239	1/4	70,940	1/4	85,993	1/4	101,046	1/4	116,096	1/4	131,142	1/4	146,187
1/2	12,209	1/2	27,261	1/2	42,078	1/2	56,541	1/2	71,253	1/2	86,306	1/2	101,360	1/2	116,409	1/2	131,455	1/2	146,501
3/4	12,522	3/4	27,574	3/4	42,379	3/4	56,843	3/4	71,567	3/4	86,620	3/4	101,673	3/4	116,723	3/4	131,769	3/4	146,814
10	12,836	10	27,888	10	42,680	10	57,145	10	71,880	10	86,934	10	101,987	10	117,036	10	132,082	10	147,128
1/4	13,149	1/4	28,201	1/4	42,981	1/4	57,447	1/4	72,194	1/4	87,247	1/4	102,301	1/4	117,350	1/4	132,395	1/4	147,441
1/2	13,463	1/2	28,514	1/2	43,282	1/2	57,749	1/2	72,508	1/2	87,561	1/2	102,614	1/2	117,663	1/2	132,709	1/2	147,755
3/4	13,777	3/4	28,828	3/4	43,583	3/4	58,050	3/4	72,821	3/4	87,875	3/4	102,928	3/4	117,977	3/4	133,022	3/4	148,068
11	14,090	11	29,141	11	43,884	11	58,352	11	73,135	11	88,188	11	103,241	11	118,290	11	133,336	11	148,382
1/4	14,404	1/4	29,455	1/4	44,184	1/4	58,654	1/4	73,448	1/4	88,502	1/4	103,555	1/4	118,604	1/4	133,649	1/4	148,695
1/2	14,717	1/2	29,768	1/2	44,485	1/2	58,956	1/2	73,762	1/2	88,815	1/2	103,869	1/2	118,917	1/2	133,963	1/2	149,008
3/4	15,031	3/4	30,082	3/4	44,786	3/4	59,258	3/4	74,076	3/4	89,129	3/4	104,182	3/4	119,230	3/4	134,276	3/4	149,322

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 LIP OF 2" "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "HFL 465"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	149,635	0	164,681	0	179,717	0	194,712	0	209,612	0		0		0		0		0	
1/4	149,949	1/4	164,995	1/4	180,030	1/4	195,024	1/4	209,911	1/4		1/4		1/4		1/4		1/4	
1/2	150,262	1/2	165,308	1/2	180,342	1/2	195,337	1/2	210,211	1/2		1/2		1/2		1/2		1/2	
3/4	150,576	3/4	165,621	3/4	180,654	3/4	195,649	3/4	210,511	3/4		3/4		3/4		3/4		3/4	
1	150,889	1	165,935	1	180,967	1	195,961	1	210,811	1		1		1		1		1	
1/4	151,203	1/4	166,248	1/4	181,279	1/4	196,274	1/4	211,081	1/4		1/4		1/4		1/4		1/4	
1/2	151,516	1/2	166,562	1/2	181,592	1/2	196,586	1/2	211,351	1/2		1/2		1/2		1/2		1/2	
3/4	151,830	3/4	166,875	3/4	181,904	3/4	196,898	3/4	211,621	3/4		3/4		3/4		3/4		3/4	
2	152,143	2	167,189	2	182,216	2	197,211	2	211,891	2		2		2		2		2	
1/4	152,456	1/4	167,502	1/4	182,529	1/4	197,523	1/4	212,109	1/4		1/4		1/4		1/4		1/4	
1/2	152,770	1/2	167,816	1/2	182,841	1/2	197,836	1/2	212,327	1/2		1/2		1/2		1/2		1/2	
3/4	153,083	3/4	168,129	3/4	183,153	3/4	198,148	3/4	212,545	3/4		3/4		3/4		3/4		3/4	
3	153,397	3	168,442	3	183,466	3	198,460	3	212,763	3		3		3		3		3	
1/4	153,710	1/4	168,756	1/4	183,778	1/4	198,773	1/4	212,929	1/4		1/4		1/4		1/4		1/4	
1/2	154,024	1/2	169,069	1/2	184,091	1/2	199,085	1/2	213,095	1/2		1/2		1/2		1/2		1/2	
3/4	154,337	3/4	169,383	3/4	184,403	3/4	199,398	3/4	213,261	3/4		3/4		3/4		3/4		3/4	
4	154,651	4	169,696	4	184,715	4	199,710	4	213,426	4		4		4		4		4	
1/4	154,964	1/4	170,010	1/4	185,028	1/4	200,022	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,277	1/2	170,323	1/2	185,340	1/2	200,335	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,591	3/4	170,637	3/4	185,653	3/4	200,647	3/4		3/4		3/4		3/4		3/4		3/4	
5	155,904	5	170,950	5	185,965	5	200,960	5		5		5		5		5		5	
1/4	156,218	1/4	171,264	1/4	186,277	1/4	201,271	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,531	1/2	171,577	1/2	186,590	1/2	201,583	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,845	3/4	171,890	3/4	186,902	3/4	201,894	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,158	6	172,204	6	187,214	6	202,206	6		6		6		6		6		6	
1/4	157,472	1/4	172,517	1/4	187,527	1/4	202,515	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,785	1/2	172,831	1/2	187,839	1/2	202,825	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,099	3/4	173,144	3/4	188,152	3/4	203,134	3/4		3/4		3/4		3/4		3/4		3/4	
7	158,412	7	173,458	7	188,464	7	203,443	7		7		7		7		7		7	
1/4	158,725	1/4	173,771	1/4	188,776	1/4	203,752	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,039	1/2	174,085	1/2	189,089	1/2	204,062	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,352	3/4	174,398	3/4	189,401	3/4	204,371	3/4		3/4		3/4		3/4		3/4		3/4	
8	159,666	8	174,712	8	189,714	8	204,680	8		8		8		8		8		8	
1/4	159,979	1/4	175,025	1/4	190,026	1/4	204,989	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,293	1/2	175,338	1/2	190,338	1/2	205,299	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,606	3/4	175,652	3/4	190,651	3/4	205,608	3/4		3/4		3/4		3/4		3/4		3/4	
9	160,920	9	175,965	9	190,963	9	205,917	9		9		9		9		9		9	
1/4	161,233	1/4	176,279	1/4	191,276	1/4	206,226	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,547	1/2	176,592	1/2	191,588	1/2	206,534	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,860	3/4	176,905	3/4	191,900	3/4	206,843	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,173	10	177,218	10	192,213	10	207,152	10		10		10		10		10		10	
1/4	162,487	1/4	177,530	1/4	192,525	1/4	207,460	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,800	1/2	177,843	1/2	192,837	1/2	207,768	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,114	3/4	178,155	3/4	193,150	3/4	208,076	3/4		3/4		3/4		3/4		3/4		3/4	
11	163,427	11	178,468	11	193,462	11	208,384	11		11		11		11		11		11	
1/4	163,741	1/4	178,780	1/4	193,775	1/4	208,691	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,054	1/2	179,092	1/2	194,087	1/2	208,998	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,368	3/4	179,405	3/4	194,399	3/4	209,305	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2024 JS  
CALCULATED: 07/12/2024 CL  
PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2024

PRECISION MEASUREMENT  
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# BARGE "HFL 465"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	836	0	15,356	0	30,418	0	45,463	0	60,511	0	75,575	0	90,640	0	105,704	0	120,763	0	135,820
1/4	1,051	1/4	15,670	1/4	30,732	1/4	45,776	1/4	60,825	1/4	75,889	1/4	90,953	1/4	106,018	1/4	121,077	1/4	136,133
1/2	1,267	1/2	15,984	1/2	31,046	1/2	46,089	1/2	61,139	1/2	76,203	1/2	91,267	1/2	106,331	1/2	121,390	1/2	136,447
3/4	1,483	3/4	16,298	3/4	31,360	3/4	46,402	3/4	61,453	3/4	76,517	3/4	91,581	3/4	106,645	3/4	121,704	3/4	136,761
1	1,698	1	16,612	1	31,674	1	46,714	1	61,767	1	76,831	1	91,895	1	106,959	1	122,018	1	137,074
1/4	1,982	1/4	16,925	1/4	31,987	1/4	47,027	1/4	62,080	1/4	77,145	1/4	92,209	1/4	107,273	1/4	122,331	1/4	137,388
1/2	2,265	1/2	17,239	1/2	32,301	1/2	47,340	1/2	62,394	1/2	77,458	1/2	92,523	1/2	107,587	1/2	122,645	1/2	137,702
3/4	2,548	3/4	17,553	3/4	32,615	3/4	47,653	3/4	62,708	3/4	77,772	3/4	92,836	3/4	107,901	3/4	122,959	3/4	138,015
2	2,831	2	17,867	2	32,929	2	47,966	2	63,022	2	78,086	2	93,150	2	108,215	2	123,272	2	138,329
1/4	3,142	1/4	18,181	1/4	33,243	1/4	48,279	1/4	63,336	1/4	78,400	1/4	93,464	1/4	108,528	1/4	123,586	1/4	138,643
1/2	3,452	1/2	18,495	1/2	33,557	1/2	48,592	1/2	63,650	1/2	78,714	1/2	93,778	1/2	108,842	1/2	123,900	1/2	138,956
3/4	3,762	3/4	18,809	3/4	33,870	3/4	48,905	3/4	63,963	3/4	79,028	3/4	94,092	3/4	109,156	3/4	124,213	3/4	139,270
3	4,073	3	19,122	3	34,184	3	49,218	3	64,277	3	79,341	3	94,406	3	109,470	3	124,527	3	139,584
1/4	4,385	1/4	19,436	1/4	34,498	1/4	49,531	1/4	64,591	1/4	79,655	1/4	94,719	1/4	109,784	1/4	124,841	1/4	139,897
1/2	4,697	1/2	19,750	1/2	34,812	1/2	49,844	1/2	64,905	1/2	79,969	1/2	95,033	1/2	110,097	1/2	125,154	1/2	140,211
3/4	5,008	3/4	20,064	3/4	35,126	3/4	50,157	3/4	65,219	3/4	80,283	3/4	95,347	3/4	110,411	3/4	125,468	3/4	140,525
4	5,320	4	20,378	4	35,440	4	50,470	4	65,533	4	80,597	4	95,661	4	110,725	4	125,782	4	140,838
1/4	5,633	1/4	20,692	1/4	35,753	1/4	50,784	1/4	65,846	1/4	80,911	1/4	95,975	1/4	111,039	1/4	126,095	1/4	141,152
1/2	5,946	1/2	21,005	1/2	36,067	1/2	51,097	1/2	66,160	1/2	81,224	1/2	96,289	1/2	111,352	1/2	126,409	1/2	141,466
3/4	6,259	3/4	21,319	3/4	36,381	3/4	51,410	3/4	66,474	3/4	81,538	3/4	96,603	3/4	111,666	3/4	126,723	3/4	141,779
5	6,571	5	21,633	5	36,695	5	51,724	5	66,788	5	81,852	5	96,916	5	111,980	5	127,036	5	142,093
1/4	6,885	1/4	21,947	1/4	37,009	1/4	52,038	1/4	67,102	1/4	82,166	1/4	97,230	1/4	112,293	1/4	127,350	1/4	142,407
1/2	7,198	1/2	22,261	1/2	37,323	1/2	52,351	1/2	67,416	1/2	82,480	1/2	97,544	1/2	112,607	1/2	127,664	1/2	142,720
3/4	7,512	3/4	22,575	3/4	37,636	3/4	52,665	3/4	67,729	3/4	82,794	3/4	97,858	3/4	112,921	3/4	127,977	3/4	143,034
6	7,825	6	22,888	6	37,950	6	52,979	6	68,043	6	83,107	6	98,172	6	113,235	6	128,291	6	143,348
1/4	8,139	1/4	23,202	1/4	38,264	1/4	53,293	1/4	68,357	1/4	83,421	1/4	98,486	1/4	113,548	1/4	128,605	1/4	143,662
1/2	8,452	1/2	23,516	1/2	38,577	1/2	53,607	1/2	68,671	1/2	83,735	1/2	98,799	1/2	113,862	1/2	128,919	1/2	143,975
3/4	8,766	3/4	23,830	3/4	38,891	3/4	53,921	3/4	68,985	3/4	84,049	3/4	99,113	3/4	114,176	3/4	129,232	3/4	144,289
7	9,080	7	24,144	7	39,205	7	54,234	7	69,299	7	84,363	7	99,427	7	114,489	7	129,546	7	144,603
1/4	9,393	1/4	24,458	1/4	39,518	1/4	54,548	1/4	69,612	1/4	84,677	1/4	99,741	1/4	114,803	1/4	129,860	1/4	144,916
1/2	9,707	1/2	24,771	1/2	39,830	1/2	54,862	1/2	69,926	1/2	84,991	1/2	100,055	1/2	115,117	1/2	130,173	1/2	145,230
3/4	10,021	3/4	25,085	3/4	40,143	3/4	55,176	3/4	70,240	3/4	85,304	3/4	100,369	3/4	115,430	3/4	130,487	3/4	145,544
8	10,335	8	25,399	8	40,456	8	55,490	8	70,554	8	85,618	8	100,682	8	115,744	8	130,801	8	145,857
1/4	10,649	1/4	25,713	1/4	40,769	1/4	55,804	1/4	70,868	1/4	85,932	1/4	100,996	1/4	116,058	1/4	131,114	1/4	146,171
1/2	10,963	1/2	26,027	1/2	41,082	1/2	56,117	1/2	71,182	1/2	86,246	1/2	101,310	1/2	116,371	1/2	131,428	1/2	146,485
3/4	11,276	3/4	26,340	3/4	41,395	3/4	56,431	3/4	71,495	3/4	86,560	3/4	101,624	3/4	116,685	3/4	131,742	3/4	146,798
9	11,590	9	26,654	9	41,708	9	56,745	9	71,809	9	86,874	9	101,938	9	116,999	9	132,055	9	147,112
1/4	11,904	1/4	26,968	1/4	42,021	1/4	57,059	1/4	72,123	1/4	87,187	1/4	102,252	1/4	117,312	1/4	132,369	1/4	147,426
1/2	12,218	1/2	27,282	1/2	42,334	1/2	57,373	1/2	72,437	1/2	87,501	1/2	102,565	1/2	117,626	1/2	132,683	1/2	147,739
3/4	12,532	3/4	27,595	3/4	42,647	3/4	57,687	3/4	72,751	3/4	87,815	3/4	102,879	3/4	117,940	3/4	132,996	3/4	148,053
10	12,846	10	27,909	10	42,960	10	58,000	10	73,065	10	88,129	10	103,193	10	118,253	10	133,310	10	148,367
1/4	13,159	1/4	28,223	1/4	43,272	1/4	58,314	1/4	73,379	1/4	88,443	1/4	103,507	1/4	118,567	1/4	133,624	1/4	148,680
1/2	13,473	1/2	28,536	1/2	43,585	1/2	58,628	1/2	73,692	1/2	88,757	1/2	103,821	1/2	118,881	1/2	133,937	1/2	148,994
3/4	13,787	3/4	28,850	3/4	43,898	3/4	58,942	3/4	74,006	3/4	89,070	3/4	104,135	3/4	119,194	3/4	134,251	3/4	149,308
11	14,101	11	29,163	11	44,211	11	59,256	11	74,320	11	89,384	11	104,448	11	119,508	11	134,565	11	149,621
1/4	14,415	1/4	29,477	1/4	44,524	1/4	59,570	1/4	74,634	1/4	89,698	1/4	104,762	1/4	119,822	1/4	134,878	1/4	149,935
1/2	14,729	1/2	29,791	1/2	44,837	1/2	59,883	1/2	74,948	1/2	90,012	1/2	105,076	1/2	120,135	1/2	135,192	1/2	150,249
3/4	15,042	3/4	30,104	3/4	45,150	3/4	60,197	3/4	75,262	3/4	90,326	3/4	105,390	3/4	120,449	3/4	135,506	3/4	150,562

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 LIP OF 2" "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "HFL 465"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	150,876	0	165,933	0	180,980	0	195,985	0	210,896	0		0		0		0		0	
1/4	151,190	1/4	166,246	1/4	181,293	1/4	196,298	1/4	211,196	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,504	1/2	166,560	1/2	181,605	1/2	196,611	1/2	211,496	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,817	3/4	166,874	3/4	181,918	3/4	196,923	3/4	211,797	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	152,131	1	167,188	1	182,230	1	197,236	1	212,097	1		1		1		1		1	
1/4	152,445	1/4	167,501	1/4	182,543	1/4	197,548	1/4	212,367	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,758	1/2	167,815	1/2	182,856	1/2	197,861	1/2	212,637	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,072	3/4	168,129	3/4	183,168	3/4	198,174	3/4	212,907	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	153,386	2	168,442	2	183,481	2	198,486	2	213,178	2		2		2		2		2	
1/4	153,699	1/4	168,756	1/4	183,793	1/4	198,799	1/4	213,396	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,013	1/2	169,070	1/2	184,106	1/2	199,112	1/2	213,614	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,327	3/4	169,383	3/4	184,419	3/4	199,424	3/4	213,832	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	154,640	3	169,697	3	184,731	3	199,737	3	214,050	3		3		3		3		3	
1/4	154,954	1/4	170,011	1/4	185,044	1/4	200,049	1/4	214,216	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,268	1/2	170,324	1/2	185,357	1/2	200,362	1/2	214,382	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,581	3/4	170,638	3/4	185,669	3/4	200,675	3/4	214,548	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	155,895	4	170,952	4	185,982	4	200,987	4	214,714	4		4		4		4		4	
1/4	156,209	1/4	171,265	1/4	186,294	1/4	201,300	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,522	1/2	171,579	1/2	186,607	1/2	201,612	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,836	3/4	171,893	3/4	186,920	3/4	201,925	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	157,150	5	172,206	5	187,232	5	202,238	5		5		5		5		5		5	
1/4	157,463	1/4	172,520	1/4	187,545	1/4	202,550	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,777	1/2	172,834	1/2	187,857	1/2	202,861	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,091	3/4	173,147	3/4	188,170	3/4	203,173	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	158,404	6	173,461	6	188,483	6	203,485	6		6		6		6		6		6	
1/4	158,718	1/4	173,775	1/4	188,795	1/4	203,795	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,032	1/2	174,089	1/2	189,108	1/2	204,104	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,346	3/4	174,402	3/4	189,420	3/4	204,414	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	159,659	7	174,716	7	189,733	7	204,723	7		7		7		7		7		7	
1/4	159,973	1/4	175,030	1/4	190,046	1/4	205,033	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,287	1/2	175,343	1/2	190,358	1/2	205,342	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,600	3/4	175,657	3/4	190,671	3/4	205,652	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	160,914	8	175,971	8	190,984	8	205,961	8		8		8		8		8		8	
1/4	161,228	1/4	176,284	1/4	191,296	1/4	206,271	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,541	1/2	176,598	1/2	191,609	1/2	206,580	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,855	3/4	176,912	3/4	191,921	3/4	206,889	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	162,169	9	177,225	9	192,234	9	207,199	9		9		9		9		9		9	
1/4	162,482	1/4	177,539	1/4	192,547	1/4	207,508	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,796	1/2	177,852	1/2	192,859	1/2	207,817	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,110	3/4	178,166	3/4	193,172	3/4	208,126	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	163,423	10	178,479	10	193,484	10	208,435	10		10		10		10		10		10	
1/4	163,737	1/4	178,792	1/4	193,797	1/4	208,743	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,051	1/2	179,104	1/2	194,110	1/2	209,051	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,364	3/4	179,417	3/4	194,422	3/4	209,359	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	164,678	11	179,729	11	194,735	11	209,668	11		11		11		11		11		11	
1/4	164,992	1/4	180,042	1/4	195,048	1/4	209,975	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,305	1/2	180,355	1/2	195,360	1/2	210,282	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,619	3/4	180,667	3/4	195,673	3/4	210,589	3/4		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.

STRAPPED: 07/11/2024 JS  
CALCULATED: 07/12/2024 CL  
PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2024

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





# BARGE "HFL 465"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	832	0	15,277	0	30,246	0	44,998	0	59,526	0	74,419	0	89,364	0	104,323	0	119,272	0	134,218
1/4	1,046	1/4	15,588	1/4	30,558	1/4	45,299	1/4	59,838	1/4	74,729	1/4	89,676	1/4	104,635	1/4	119,584	1/4	134,530
1/2	1,261	1/2	15,900	1/2	30,870	1/2	45,601	1/2	60,149	1/2	75,038	1/2	89,987	1/2	104,947	1/2	119,895	1/2	134,841
3/4	1,476	3/4	16,212	3/4	31,182	3/4	45,902	3/4	60,461	3/4	75,348	3/4	90,299	3/4	105,258	3/4	120,207	3/4	135,152
1	1,690	1	16,524	1	31,494	1	46,203	1	60,772	1	75,658	1	90,610	1	105,570	1	120,518	1	135,464
1/4	1,972	1/4	16,836	1/4	31,806	1/4	46,505	1/4	61,084	1/4	75,968	1/4	90,922	1/4	105,882	1/4	120,829	1/4	135,775
1/2	2,254	1/2	17,148	1/2	32,118	1/2	46,806	1/2	61,395	1/2	76,278	1/2	91,233	1/2	106,194	1/2	121,141	1/2	136,086
3/4	2,536	3/4	17,460	3/4	32,430	3/4	47,108	3/4	61,707	3/4	76,588	3/4	91,545	3/4	106,505	3/4	121,452	3/4	136,398
2	2,818	2	17,772	2	32,742	2	47,409	2	62,018	2	76,898	2	91,856	2	106,817	2	121,763	2	136,709
1/4	3,127	1/4	18,084	1/4	33,053	1/4	47,711	1/4	62,329	1/4	77,208	1/4	92,168	1/4	107,128	1/4	122,075	1/4	137,020
1/2	3,436	1/2	18,396	1/2	33,365	1/2	48,013	1/2	62,641	1/2	77,519	1/2	92,480	1/2	107,440	1/2	122,386	1/2	137,332
3/4	3,745	3/4	18,708	3/4	33,677	3/4	48,315	3/4	62,952	3/4	77,829	3/4	92,791	3/4	107,751	3/4	122,698	3/4	137,643
3	4,054	3	19,019	3	33,989	3	48,617	3	63,263	3	78,139	3	93,103	3	108,063	3	123,009	3	137,955
1/4	4,364	1/4	19,331	1/4	34,301	1/4	48,919	1/4	63,573	1/4	78,451	1/4	93,414	1/4	108,374	1/4	123,320	1/4	138,266
1/2	4,675	1/2	19,643	1/2	34,612	1/2	49,221	1/2	63,883	1/2	78,763	1/2	93,726	1/2	108,686	1/2	123,632	1/2	138,577
3/4	4,985	3/4	19,955	3/4	34,924	3/4	49,523	3/4	64,193	3/4	79,075	3/4	94,037	3/4	108,997	3/4	123,943	3/4	138,889
4	5,296	4	20,267	4	35,236	4	49,825	4	64,502	4	79,387	4	94,349	4	109,309	4	124,254	4	139,200
1/4	5,607	1/4	20,579	1/4	35,545	1/4	50,127	1/4	64,812	1/4	79,699	1/4	94,660	1/4	109,620	1/4	124,566	1/4	139,511
1/2	5,918	1/2	20,891	1/2	35,854	1/2	50,430	1/2	65,122	1/2	80,010	1/2	94,972	1/2	109,931	1/2	124,877	1/2	139,823
3/4	6,229	3/4	21,203	3/4	36,164	3/4	50,732	3/4	65,432	3/4	80,322	3/4	95,283	3/4	110,243	3/4	125,188	3/4	140,134
5	6,540	5	21,515	5	36,473	5	51,034	5	65,742	5	80,634	5	95,595	5	110,554	5	125,500	5	140,446
1/4	6,852	1/4	21,827	1/4	36,778	1/4	51,336	1/4	66,052	1/4	80,946	1/4	95,906	1/4	110,866	1/4	125,811	1/4	140,757
1/2	7,163	1/2	22,139	1/2	37,082	1/2	51,638	1/2	66,362	1/2	81,258	1/2	96,218	1/2	111,177	1/2	126,123	1/2	141,068
3/4	7,475	3/4	22,450	3/4	37,387	3/4	51,940	3/4	66,672	3/4	81,570	3/4	96,529	3/4	111,488	3/4	126,434	3/4	141,380
6	7,787	6	22,762	6	37,691	6	52,242	6	66,981	6	81,881	6	96,841	6	111,800	6	126,745	6	141,691
1/4	8,099	1/4	23,074	1/4	37,996	1/4	52,544	1/4	67,291	1/4	82,193	1/4	97,153	1/4	112,111	1/4	127,057	1/4	142,002
1/2	8,411	1/2	23,386	1/2	38,301	1/2	52,846	1/2	67,601	1/2	82,505	1/2	97,464	1/2	112,422	1/2	127,368	1/2	142,313
3/4	8,723	3/4	23,698	3/4	38,605	3/4	53,148	3/4	67,911	3/4	82,817	3/4	97,776	3/4	112,734	3/4	127,679	3/4	142,624
7	9,035	7	24,010	7	38,910	7	53,450	7	68,221	7	83,129	7	98,087	7	113,045	7	127,991	7	142,936
1/4	9,347	1/4	24,322	1/4	39,214	1/4	53,752	1/4	68,531	1/4	83,441	1/4	98,399	1/4	113,356	1/4	128,302	1/4	143,246
1/2	9,660	1/2	24,634	1/2	39,519	1/2	54,054	1/2	68,841	1/2	83,753	1/2	98,711	1/2	113,668	1/2	128,614	1/2	143,556
3/4	9,972	3/4	24,946	3/4	39,823	3/4	54,356	3/4	69,151	3/4	84,064	3/4	99,023	3/4	113,979	3/4	128,925	3/4	143,867
8	10,285	8	25,258	8	40,128	8	54,658	8	69,461	8	84,376	8	99,334	8	114,291	8	129,236	8	144,177
1/4	10,597	1/4	25,570	1/4	40,433	1/4	54,960	1/4	69,770	1/4	84,688	1/4	99,646	1/4	114,602	1/4	129,548	1/4	144,488
1/2	10,909	1/2	25,881	1/2	40,737	1/2	55,262	1/2	70,080	1/2	85,000	1/2	99,958	1/2	114,913	1/2	129,859	1/2	144,798
3/4	11,221	3/4	26,193	3/4	41,042	3/4	55,564	3/4	70,390	3/4	85,312	3/4	100,270	3/4	115,225	3/4	130,170	3/4	145,108
9	11,534	9	26,505	9	41,346	9	55,866	9	70,700	9	85,624	9	100,582	9	115,536	9	130,482	9	145,419
1/4	11,846	1/4	26,817	1/4	41,651	1/4	56,169	1/4	71,010	1/4	85,935	1/4	100,893	1/4	115,847	1/4	130,793	1/4	145,730
1/2	12,157	1/2	27,129	1/2	41,956	1/2	56,472	1/2	71,320	1/2	86,247	1/2	101,205	1/2	116,159	1/2	131,104	1/2	146,040
3/4	12,469	3/4	27,440	3/4	42,260	3/4	56,775	3/4	71,630	3/4	86,559	3/4	101,517	3/4	116,470	3/4	131,416	3/4	146,351
10	12,781	10	27,752	10	42,565	10	57,078	10	71,940	10	86,871	10	101,829	10	116,782	10	131,727	10	146,661
1/4	13,093	1/4	28,064	1/4	42,869	1/4	57,383	1/4	72,250	1/4	87,183	1/4	102,141	1/4	117,093	1/4	132,039	1/4	146,949
1/2	13,405	1/2	28,376	1/2	43,174	1/2	57,688	1/2	72,559	1/2	87,495	1/2	102,452	1/2	117,404	1/2	132,350	1/2	147,236
3/4	13,717	3/4	28,687	3/4	43,478	3/4	57,994	3/4	72,869	3/4	87,806	3/4	102,764	3/4	117,716	3/4	132,661	3/4	147,523
11	14,029	11	28,999	11	43,783	11	58,299	11	73,179	11	88,118	11	103,076	11	118,027	11	132,973	11	147,810
1/4	14,341	1/4	29,311	1/4	44,087	1/4	58,606	1/4	73,489	1/4	88,430	1/4	103,388	1/4	118,338	1/4	133,284	1/4	148,025
1/2	14,653	1/2	29,623	1/2	44,391	1/2	58,912	1/2	73,799	1/2	88,741	1/2	103,699	1/2	118,650	1/2	133,595	1/2	148,239
3/4	14,965	3/4	29,934	3/4	44,694	3/4	59,219	3/4	74,109	3/4	89,053	3/4	104,011	3/4	118,961	3/4	133,907	3/4	148,454

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 LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HFL 465"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	148,668	0	159,017	0	169,361	0	179,706	0	189,971	0		0		0		0		0	
1/4	148,883	1/4	159,232	1/4	169,576	1/4	179,891	1/4	190,175	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,098	1/2	159,448	1/2	169,791	1/2	180,106	1/2	190,379	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	149,313	3/4	159,664	3/4	170,006	3/4	180,321	3/4	190,583	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	149,528	1	159,879	1	170,221	1	180,536	1	190,787	1		1		1		1		1	
1/4	149,744	1/4	160,095	1/4	170,436	1/4	180,750	1/4	190,961	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,959	1/2	160,311	1/2	170,650	1/2	180,965	1/2	191,135	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,175	3/4	160,526	3/4	170,865	3/4	181,180	3/4	191,309	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	150,391	2	160,742	2	171,080	2	181,395	2	191,483	2		2		2		2		2	
1/4	150,606	1/4	160,958	1/4	171,295	1/4	181,610	1/4	191,605	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	150,822	1/2	161,173	1/2	171,510	1/2	181,825	1/2	191,727	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,038	3/4	161,389	3/4	171,725	3/4	182,040	3/4	191,850	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	151,253	3	161,604	3	171,940	3	182,255	3	191,972	3		3		3		3		3	
1/4	151,469	1/4	161,820	1/4	172,155	1/4	182,470	1/4	192,042	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,684	1/2	162,036	1/2	172,370	1/2	182,684	1/2	192,112	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,900	3/4	162,251	3/4	172,585	3/4	182,899	3/4	192,182	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	152,116	4	162,467	4	172,799	4	183,114	4	192,252	4		4		4		4		4	
1/4	152,331	1/4	162,683	1/4	173,014	1/4	183,329	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,547	1/2	162,898	1/2	173,229	1/2	183,544	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,763	3/4	163,114	3/4	173,444	3/4	183,759	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	152,978	5	163,330	5	173,659	5	183,974	5		5		5		5		5		5	
1/4	153,194	1/4	163,545	1/4	173,874	1/4	184,189	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,410	1/2	163,761	1/2	174,089	1/2	184,404	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,625	3/4	163,977	3/4	174,304	3/4	184,618	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	153,841	6	164,192	6	174,519	6	184,833	6		6		6		6		6		6	
1/4	154,057	1/4	164,408	1/4	174,733	1/4	185,048	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,272	1/2	164,624	1/2	174,948	1/2	185,263	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,488	3/4	164,839	3/4	175,163	3/4	185,478	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	154,704	7	165,055	7	175,378	7	185,693	7		7		7		7		7		7	
1/4	154,919	1/4	165,271	1/4	175,593	1/4	185,908	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,135	1/2	165,486	1/2	175,808	1/2	186,123	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,351	3/4	165,702	3/4	176,023	3/4	186,338	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	155,566	8	165,918	8	176,238	8	186,552	8		8		8		8		8		8	
1/4	155,782	1/4	166,133	1/4	176,453	1/4	186,767	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,998	1/2	166,349	1/2	176,667	1/2	186,982	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,213	3/4	166,564	3/4	176,882	3/4	187,197	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	156,429	9	166,780	9	177,097	9	187,411	9		9		9		9		9		9	
1/4	156,644	1/4	166,996	1/4	177,312	1/4	187,626	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,860	1/2	167,211	1/2	177,527	1/2	187,840	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,076	3/4	167,427	3/4	177,742	3/4	188,054	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	157,291	10	167,642	10	177,957	10	188,268	10		10		10		10		10		10	
1/4	157,507	1/4	167,857	1/4	178,172	1/4	188,482	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,723	1/2	168,072	1/2	178,387	1/2	188,696	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,938	3/4	168,287	3/4	178,601	3/4	188,909	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	158,154	11	168,502	11	178,816	11	189,123	11		11		11		11		11		11	
1/4	158,370	1/4	168,716	1/4	179,031	1/4	189,335	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,585	1/2	168,931	1/2	179,246	1/2	189,547	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,801	3/4	169,146	3/4	179,461	3/4	189,759	3/4		3/4	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.

STRAPPED: 07/11/2024 JS  
CALCULATED: 07/12/2024 CL  
PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HFL 465"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	834	0	15,325	0	30,359	0	45,377	0	60,409	0	75,443	0	90,477	0	105,511	0	120,529	0	135,543
1/4	1,049	1/4	15,638	1/4	30,672	1/4	45,690	1/4	60,722	1/4	75,756	1/4	90,790	1/4	105,824	1/4	120,842	1/4	135,856
1/2	1,264	1/2	15,952	1/2	30,985	1/2	46,003	1/2	61,035	1/2	76,069	1/2	91,104	1/2	106,138	1/2	121,155	1/2	136,169
3/4	1,480	3/4	16,265	3/4	31,298	3/4	46,315	3/4	61,349	3/4	76,383	3/4	91,417	3/4	106,451	3/4	121,467	3/4	136,482
1	1,695	1	16,578	1	31,612	1	46,628	1	61,662	1	76,696	1	91,730	1	106,764	1	121,780	1	136,794
1/4	1,978	1/4	16,891	1/4	31,925	1/4	46,941	1/4	61,975	1/4	77,009	1/4	92,043	1/4	107,077	1/4	122,093	1/4	137,107
1/2	2,260	1/2	17,204	1/2	32,238	1/2	47,254	1/2	62,288	1/2	77,322	1/2	92,356	1/2	107,390	1/2	122,406	1/2	137,420
3/4	2,543	3/4	17,518	3/4	32,551	3/4	47,567	3/4	62,601	3/4	77,635	3/4	92,670	3/4	107,703	3/4	122,719	3/4	137,733
2	2,826	2	17,831	2	32,864	2	47,880	2	62,915	2	77,949	2	92,983	2	108,017	2	123,031	2	138,046
1/4	3,135	1/4	18,144	1/4	33,178	1/4	48,194	1/4	63,228	1/4	78,262	1/4	93,296	1/4	108,330	1/4	123,344	1/4	138,358
1/2	3,445	1/2	18,457	1/2	33,491	1/2	48,507	1/2	63,541	1/2	78,575	1/2	93,609	1/2	108,642	1/2	123,657	1/2	138,671
3/4	3,755	3/4	18,770	3/4	33,804	3/4	48,820	3/4	63,854	3/4	78,888	3/4	93,922	3/4	108,955	3/4	123,970	3/4	138,984
3	4,064	3	19,084	3	34,117	3	49,133	3	64,167	3	79,202	3	94,236	3	109,268	3	124,283	3	139,297
1/4	4,376	1/4	19,397	1/4	34,430	1/4	49,447	1/4	64,481	1/4	79,515	1/4	94,549	1/4	109,581	1/4	124,595	1/4	139,609
1/2	4,687	1/2	19,710	1/2	34,743	1/2	49,760	1/2	64,794	1/2	79,828	1/2	94,862	1/2	109,894	1/2	124,908	1/2	139,922
3/4	4,998	3/4	20,023	3/4	35,056	3/4	50,073	3/4	65,107	3/4	80,141	3/4	95,175	3/4	110,207	3/4	125,221	3/4	140,235
4	5,310	4	20,336	4	35,370	4	50,386	4	65,420	4	80,454	4	95,488	4	110,520	4	125,534	4	140,548
1/4	5,622	1/4	20,650	1/4	35,682	1/4	50,699	1/4	65,733	1/4	80,768	1/4	95,802	1/4	110,833	1/4	125,847	1/4	140,861
1/2	5,934	1/2	20,963	1/2	35,995	1/2	51,013	1/2	66,047	1/2	81,081	1/2	96,115	1/2	111,145	1/2	126,159	1/2	141,173
3/4	6,246	3/4	21,276	3/4	36,308	3/4	51,326	3/4	66,360	3/4	81,394	3/4	96,428	3/4	111,458	3/4	126,472	3/4	141,486
5	6,558	5	21,589	5	36,620	5	51,639	5	66,673	5	81,707	5	96,741	5	111,771	5	126,785	5	141,799
1/4	6,871	1/4	21,902	1/4	36,933	1/4	51,952	1/4	66,986	1/4	82,020	1/4	97,055	1/4	112,084	1/4	127,098	1/4	142,112
1/2	7,184	1/2	22,216	1/2	37,246	1/2	52,265	1/2	67,300	1/2	82,334	1/2	97,368	1/2	112,396	1/2	127,411	1/2	142,425
3/4	7,496	3/4	22,529	3/4	37,559	3/4	52,579	3/4	67,613	3/4	82,647	3/4	97,681	3/4	112,709	3/4	127,723	3/4	142,737
6	7,809	6	22,842	6	37,871	6	52,892	6	67,926	6	82,960	6	97,994	6	113,022	6	128,036	6	143,050
1/4	8,122	1/4	23,155	1/4	38,184	1/4	53,205	1/4	68,239	1/4	83,273	1/4	98,307	1/4	113,335	1/4	128,349	1/4	143,363
1/2	8,435	1/2	23,468	1/2	38,497	1/2	53,518	1/2	68,552	1/2	83,586	1/2	98,621	1/2	113,648	1/2	128,662	1/2	143,675
3/4	8,748	3/4	23,782	3/4	38,809	3/4	53,831	3/4	68,866	3/4	83,900	3/4	98,934	3/4	113,960	3/4	128,975	3/4	143,988
7	9,061	7	24,095	7	39,122	7	54,145	7	69,179	7	84,213	7	99,247	7	114,273	7	129,287	7	144,301
1/4	9,374	1/4	24,408	1/4	39,435	1/4	54,458	1/4	69,492	1/4	84,526	1/4	99,560	1/4	114,586	1/4	129,600	1/4	144,612
1/2	9,688	1/2	24,721	1/2	39,748	1/2	54,771	1/2	69,805	1/2	84,839	1/2	99,873	1/2	114,899	1/2	129,913	1/2	144,924
3/4	10,001	3/4	25,034	3/4	40,060	3/4	55,084	3/4	70,118	3/4	85,153	3/4	100,187	3/4	115,212	3/4	130,226	3/4	145,236
8	10,314	8	25,348	8	40,373	8	55,398	8	70,432	8	85,466	8	100,500	8	115,524	8	130,538	8	145,548
1/4	10,627	1/4	25,661	1/4	40,686	1/4	55,711	1/4	70,745	1/4	85,779	1/4	100,813	1/4	115,837	1/4	130,851	1/4	145,860
1/2	10,940	1/2	25,974	1/2	40,998	1/2	56,024	1/2	71,058	1/2	86,092	1/2	101,126	1/2	116,150	1/2	131,164	1/2	146,172
3/4	11,254	3/4	26,287	3/4	41,311	3/4	56,337	3/4	71,371	3/4	86,405	3/4	101,439	3/4	116,463	3/4	131,477	3/4	146,483
9	11,567	9	26,600	9	41,624	9	56,650	9	71,684	9	86,719	9	101,753	9	116,776	9	131,790	9	146,795
1/4	11,880	1/4	26,914	1/4	41,937	1/4	56,964	1/4	71,998	1/4	87,032	1/4	102,066	1/4	117,088	1/4	132,102	1/4	147,107
1/2	12,193	1/2	27,227	1/2	42,249	1/2	57,277	1/2	72,311	1/2	87,345	1/2	102,379	1/2	117,401	1/2	132,415	1/2	147,419
3/4	12,506	3/4	27,540	3/4	42,562	3/4	57,590	3/4	72,624	3/4	87,658	3/4	102,692	3/4	117,714	3/4	132,728	3/4	147,731
10	12,820	10	27,853	10	42,875	10	57,903	10	72,937	10	87,971	10	103,006	10	118,027	10	133,041	10	148,043
1/4	13,133	1/4	28,166	1/4	43,187	1/4	58,216	1/4	73,251	1/4	88,285	1/4	103,319	1/4	118,340	1/4	133,354	1/4	148,331
1/2	13,446	1/2	28,480	1/2	43,500	1/2	58,530	1/2	73,564	1/2	88,598	1/2	103,632	1/2	118,652	1/2	133,666	1/2	148,619
3/4	13,759	3/4	28,793	3/4	43,813	3/4	58,843	3/4	73,877	3/4	88,911	3/4	103,945	3/4	118,965	3/4	133,979	3/4	148,907
11	14,072	11	29,106	11	44,126	11	59,156	11	74,190	11	89,224	11	104,258	11	119,278	11	134,292	11	149,195
1/4	14,386	1/4	29,419	1/4	44,438	1/4	59,469	1/4	74,503	1/4	89,537	1/4	104,572	1/4	119,591	1/4	134,605	1/4	149,410
1/2	14,699	1/2	29,732	1/2	44,751	1/2	59,782	1/2	74,817	1/2	89,851	1/2	104,885	1/2	119,904	1/2	134,918	1/2	149,625
3/4	15,012	3/4	30,046	3/4	45,064	3/4	60,096	3/4	75,130	3/4	90,164	3/4	105,198	3/4	120,216	3/4	135,230	3/4	149,840

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 LIP OF 2" "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "HFL 465"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	150,056	0	160,432	0	170,803	0	181,146	0	191,468	0		0		0		0		0	
1/4	150,271	1/4	160,648	1/4	171,019	1/4	181,361	1/4	191,672	1/4		1/4		1/4		1/4		1/4	
1/2	150,487	1/2	160,864	1/2	171,234	1/2	181,576	1/2	191,877	1/2		1/2		1/2		1/2		1/2	
3/4	150,702	3/4	161,080	3/4	171,450	3/4	181,792	3/4	192,081	3/4		3/4		3/4		3/4		3/4	
1	150,918	1	161,296	1	171,665	1	182,007	1	192,286	1		1		1		1		1	
1/4	151,134	1/4	161,513	1/4	171,881	1/4	182,223	1/4	192,460	1/4		1/4		1/4		1/4		1/4	
1/2	151,350	1/2	161,729	1/2	172,096	1/2	182,438	1/2	192,635	1/2		1/2		1/2		1/2		1/2	
3/4	151,566	3/4	161,945	3/4	172,312	3/4	182,654	3/4	192,809	3/4		3/4		3/4		3/4		3/4	
2	151,783	2	162,161	2	172,527	2	182,869	2	192,984	2		2		2		2		2	
1/4	151,999	1/4	162,378	1/4	172,743	1/4	183,085	1/4	193,106	1/4		1/4		1/4		1/4		1/4	
1/2	152,215	1/2	162,594	1/2	172,958	1/2	183,300	1/2	193,229	1/2		1/2		1/2		1/2		1/2	
3/4	152,431	3/4	162,810	3/4	173,173	3/4	183,516	3/4	193,351	3/4		3/4		3/4		3/4		3/4	
3	152,647	3	163,026	3	173,389	3	183,731	3	193,474	3		3		3		3		3	
1/4	152,864	1/4	163,242	1/4	173,604	1/4	183,947	1/4	193,544	1/4		1/4		1/4		1/4		1/4	
1/2	153,080	1/2	163,459	1/2	173,820	1/2	184,162	1/2	193,615	1/2		1/2		1/2		1/2		1/2	
3/4	153,296	3/4	163,675	3/4	174,035	3/4	184,377	3/4	193,685	3/4		3/4		3/4		3/4		3/4	
4	153,512	4	163,891	4	174,251	4	184,593	4	193,755	4		4		4		4		4	
1/4	153,729	1/4	164,107	1/4	174,466	1/4	184,808	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,945	1/2	164,324	1/2	174,682	1/2	185,024	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,161	3/4	164,540	3/4	174,897	3/4	185,239	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,377	5	164,756	5	175,113	5	185,455	5		5		5		5		5		5	
1/4	154,593	1/4	164,972	1/4	175,328	1/4	185,670	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,810	1/2	165,188	1/2	175,544	1/2	185,886	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,026	3/4	165,405	3/4	175,759	3/4	186,101	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,242	6	165,621	6	175,974	6	186,317	6		6		6		6		6		6	
1/4	155,458	1/4	165,837	1/4	176,190	1/4	186,532	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,675	1/2	166,053	1/2	176,405	1/2	186,748	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,891	3/4	166,270	3/4	176,621	3/4	186,963	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,107	7	166,486	7	176,836	7	187,178	7		7		7		7		7		7	
1/4	156,323	1/4	166,702	1/4	177,052	1/4	187,394	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,540	1/2	166,918	1/2	177,267	1/2	187,609	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,756	3/4	167,134	3/4	177,483	3/4	187,825	3/4		3/4		3/4		3/4		3/4		3/4	
8	156,972	8	167,351	8	177,698	8	188,040	8		8		8		8		8		8	
1/4	157,188	1/4	167,567	1/4	177,914	1/4	188,255	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,404	1/2	167,783	1/2	178,129	1/2	188,471	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,621	3/4	167,999	3/4	178,345	3/4	188,686	3/4		3/4		3/4		3/4		3/4		3/4	
9	157,837	9	168,216	9	178,560	9	188,901	9		9		9		9		9		9	
1/4	158,053	1/4	168,432	1/4	178,775	1/4	189,116	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,269	1/2	168,648	1/2	178,991	1/2	189,331	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,486	3/4	168,864	3/4	179,206	3/4	189,546	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,702	10	169,080	10	179,422	10	189,761	10		10		10		10		10		10	
1/4	158,918	1/4	169,295	1/4	179,637	1/4	189,975	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,134	1/2	169,511	1/2	179,853	1/2	190,189	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,350	3/4	169,726	3/4	180,068	3/4	190,403	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,567	11	169,942	11	180,284	11	190,617	11		11		11		11		11		11	
1/4	159,783	1/4	170,157	1/4	180,499	1/4	190,830	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,999	1/2	170,372	1/2	180,715	1/2	191,043	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,215	3/4	170,588	3/4	180,930	3/4	191,255	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2024 JS  
CALCULATED: 07/12/2024 CL  
PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2024

PRECISION MEASUREMENT  
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<http://www.dmacorp.net>





# BARGE "HFL 465"

## 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	101	0	259	0	416	0	517	0		0		0		0		0	
1/4	1	1/4	104	1/4	262	1/4	419	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	107	1/2	265	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	110	3/4	269	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	113	1	272	1	428	1	1	1		1		1		1		1	
1/4	4	1/4	116	1/4	276	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	119	1/2	279	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	122	3/4	282	3/4	436	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	125	2	286	2	439	2	2	2		2		2		2		2	
1/4	9	1/4	129	1/4	289	1/4	442	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	132	1/2	293	1/2	444	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	135	3/4	296	3/4	447	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	138	3	300	3	450	3	3	3		3		3		3		3	
1/4	15	1/4	141	1/4	303	1/4	453	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	144	1/2	306	1/2	455	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	148	3/4	310	3/4	458	3/4		3/4		3/4		3/4		3/4		3/4	
4	21	4	151	4	313	4	460	4	4	4		4		4		4		4	
1/4	23	1/4	154	1/4	316	1/4	463	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	25	1/2	157	1/2	320	1/2	465	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	161	3/4	323	3/4	468	3/4		3/4		3/4		3/4		3/4		3/4	
5	29	5	164	5	327	5	470	5	5	5		5		5		5		5	
1/4	31	1/4	167	1/4	330	1/4	473	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	170	1/2	333	1/2	475	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	174	3/4	337	3/4	477	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	177	6	340	6	480	6	6	6		6		6		6		6	
1/4	40	1/4	180	1/4	343	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	184	1/2	347	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	187	3/4	350	3/4	486	3/4		3/4		3/4		3/4		3/4		3/4	
7	47	7	190	7	353	7	488	7	7	7		7		7		7		7	
1/4	49	1/4	194	1/4	356	1/4	490	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	52	1/2	197	1/2	360	1/2	492	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	201	3/4	363	3/4	494	3/4		3/4		3/4		3/4		3/4		3/4	
8	57	8	204	8	366	8	496	8	8	8		8		8		8		8	
1/4	59	1/4	207	1/4	369	1/4	498	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	211	1/2	373	1/2	500	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	214	3/4	376	3/4	502	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	217	9	379	9	504	9	9	9		9		9		9		9	
1/4	70	1/4	221	1/4	382	1/4	505	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	73	1/2	224	1/2	385	1/2	507	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	228	3/4	388	3/4	508	3/4		3/4		3/4		3/4		3/4		3/4	
10	78	10	231	10	392	10	510	10	10	10		10		10		10		10	
1/4	81	1/4	235	1/4	395	1/4	511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	84	1/2	238	1/2	398	1/2	512	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	87	3/4	241	3/4	401	3/4	513	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	245	11	404	11	514	11	11	11		11		11		11		11	
1/4	92	1/4	248	1/4	407	1/4	515	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	252	1/2	410	1/2	516	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	255	3/4	413	3/4	516	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.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER PIPE.

STRAPPED: 07/11/2024 JS  
 CALCULATED: 07/12/2024 CL  
 PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 07/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
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# BARGE "HFL 465"

## PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-11 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,146	0	2,292	0	3,438	0	4,584	0		0		0		0		0	
1/4	24	1/4	1,170	1/4	2,316	1/4	3,462	1/4	4,607	1/4		1/4		1/4		1/4		1/4	
1/2	48	1/2	1,194	1/2	2,340	1/2	3,485	1/2	4,631	1/2		1/2		1/2		1/2		1/2	
3/4	72	3/4	1,218	3/4	2,363	3/4	3,509	3/4	4,655	3/4		3/4		3/4		3/4		3/4	
1	95	1	1,241	1	2,387	1	3,533	1	4,679	1		1		1		1		1	
1/4	119	1/4	1,265	1/4	2,411	1/4	3,557	1/4	4,703	1/4		1/4		1/4		1/4		1/4	
1/2	143	1/2	1,289	1/2	2,435	1/2	3,581	1/2	4,727	1/2		1/2		1/2		1/2		1/2	
3/4	167	3/4	1,313	3/4	2,459	3/4	3,605	3/4	4,750	3/4		3/4		3/4		3/4		3/4	
2	191	2	1,337	2	2,483	2	3,629	2	4,774	2		2		2		2		2	
1/4	215	1/4	1,361	1/4	2,507	1/4	3,653	1/4	4,798	1/4		1/4		1/4		1/4		1/4	
1/2	239	1/2	1,385	1/2	2,531	1/2	3,676	1/2	4,822	1/2		1/2		1/2		1/2		1/2	
3/4	263	3/4	1,408	3/4	2,554	3/4	3,700	3/4	4,846	3/4		3/4		3/4		3/4		3/4	
3	286	3	1,432	3	2,578	3	3,724	3	4,869	3		3		3		3		3	
1/4	310	1/4	1,456	1/4	2,602	1/4	3,748	1/4	4,893	1/4		1/4		1/4		1/4		1/4	
1/2	334	1/2	1,480	1/2	2,626	1/2	3,772	1/2	4,917	1/2		1/2		1/2		1/2		1/2	
3/4	358	3/4	1,504	3/4	2,650	3/4	3,796	3/4	4,941	3/4		3/4		3/4		3/4		3/4	
4	382	4	1,528	4	2,674	4	3,820	4	4,964	4		4		4		4		4	
1/4	406	1/4	1,552	1/4	2,698	1/4	3,844	1/4	4,988	1/4		1/4		1/4		1/4		1/4	
1/2	430	1/2	1,576	1/2	2,721	1/2	3,867	1/2	5,011	1/2		1/2		1/2		1/2		1/2	
3/4	454	3/4	1,599	3/4	2,745	3/4	3,891	3/4	5,035	3/4		3/4		3/4		3/4		3/4	
5	477	5	1,623	5	2,769	5	3,915	5	5,058	5		5		5		5		5	
1/4	501	1/4	1,647	1/4	2,793	1/4	3,939	1/4	5,070	1/4		1/4		1/4		1/4		1/4	
1/2	525	1/2	1,671	1/2	2,817	1/2	3,963	1/2	5,082	1/2		1/2		1/2		1/2		1/2	
3/4	549	3/4	1,695	3/4	2,841	3/4	3,987	3/4	5,094	3/4		3/4		3/4		3/4		3/4	
6	573	6	1,719	6	2,865	6	4,011	6	5,106	6		6		6		6		6	
1/4	597	1/4	1,743	1/4	2,889	1/4	4,035	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	621	1/2	1,767	1/2	2,912	1/2	4,058	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	645	3/4	1,790	3/4	2,936	3/4	4,082	3/4		3/4		3/4		3/4		3/4		3/4	
7	668	7	1,814	7	2,960	7	4,106	7		7		7		7		7		7	
1/4	692	1/4	1,838	1/4	2,984	1/4	4,130	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	716	1/2	1,862	1/2	3,008	1/2	4,154	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	740	3/4	1,886	3/4	3,032	3/4	4,178	3/4		3/4		3/4		3/4		3/4		3/4	
8	764	8	1,910	8	3,056	8	4,202	8		8		8		8		8		8	
1/4	788	1/4	1,934	1/4	3,080	1/4	4,225	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	812	1/2	1,958	1/2	3,103	1/2	4,249	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	836	3/4	1,981	3/4	3,127	3/4	4,273	3/4		3/4		3/4		3/4		3/4		3/4	
9	859	9	2,005	9	3,151	9	4,297	9		9		9		9		9		9	
1/4	883	1/4	2,029	1/4	3,175	1/4	4,321	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	907	1/2	2,053	1/2	3,199	1/2	4,345	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	931	3/4	2,077	3/4	3,223	3/4	4,369	3/4		3/4		3/4		3/4		3/4		3/4	
10	955	10	2,101	10	3,247	10	4,393	10		10		10		10		10		10	
1/4	979	1/4	2,125	1/4	3,271	1/4	4,416	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,003	1/2	2,149	1/2	3,294	1/2	4,440	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,027	3/4	2,172	3/4	3,318	3/4	4,464	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,050	11	2,196	11	3,342	11	4,488	11		11		11		11		11		11	
1/4	1,074	1/4	2,220	1/4	3,366	1/4	4,512	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,098	1/2	2,244	1/2	3,390	1/2	4,536	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,122	3/4	2,268	3/4	3,414	3/4	4,560	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.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE.

STRAPPED: 07/11/2024 JS  
 CALCULATED: 07/12/2024 CL  
 PRINTED: 07/12/2024 SW

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

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 07/2024



# BARGE "HFL 465"

## STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-11 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,146	0	2,292	0	3,438	0	4,584	0		0		0		0		0	
1/4	24	1/4	1,170	1/4	2,316	1/4	3,462	1/4	4,607	1/4		1/4		1/4		1/4		1/4	
1/2	48	1/2	1,194	1/2	2,340	1/2	3,485	1/2	4,631	1/2		1/2		1/2		1/2		1/2	
3/4	72	3/4	1,218	3/4	2,363	3/4	3,509	3/4	4,655	3/4		3/4		3/4		3/4		3/4	
1	95	1	1,241	1	2,387	1	3,533	1	4,679	1		1		1		1		1	
1/4	119	1/4	1,265	1/4	2,411	1/4	3,557	1/4	4,703	1/4		1/4		1/4		1/4		1/4	
1/2	143	1/2	1,289	1/2	2,435	1/2	3,581	1/2	4,727	1/2		1/2		1/2		1/2		1/2	
3/4	167	3/4	1,313	3/4	2,459	3/4	3,605	3/4	4,750	3/4		3/4		3/4		3/4		3/4	
2	191	2	1,337	2	2,483	2	3,629	2	4,774	2		2		2		2		2	
1/4	215	1/4	1,361	1/4	2,507	1/4	3,653	1/4	4,798	1/4		1/4		1/4		1/4		1/4	
1/2	239	1/2	1,385	1/2	2,531	1/2	3,676	1/2	4,822	1/2		1/2		1/2		1/2		1/2	
3/4	263	3/4	1,408	3/4	2,554	3/4	3,700	3/4	4,846	3/4		3/4		3/4		3/4		3/4	
3	286	3	1,432	3	2,578	3	3,724	3	4,869	3		3		3		3		3	
1/4	310	1/4	1,456	1/4	2,602	1/4	3,748	1/4	4,893	1/4		1/4		1/4		1/4		1/4	
1/2	334	1/2	1,480	1/2	2,626	1/2	3,772	1/2	4,917	1/2		1/2		1/2		1/2		1/2	
3/4	358	3/4	1,504	3/4	2,650	3/4	3,796	3/4	4,941	3/4		3/4		3/4		3/4		3/4	
4	382	4	1,528	4	2,674	4	3,820	4	4,964	4		4		4		4		4	
1/4	406	1/4	1,552	1/4	2,698	1/4	3,844	1/4	4,988	1/4		1/4		1/4		1/4		1/4	
1/2	430	1/2	1,576	1/2	2,721	1/2	3,867	1/2	5,011	1/2		1/2		1/2		1/2		1/2	
3/4	454	3/4	1,599	3/4	2,745	3/4	3,891	3/4	5,035	3/4		3/4		3/4		3/4		3/4	
5	477	5	1,623	5	2,769	5	3,915	5	5,058	5		5		5		5		5	
1/4	501	1/4	1,647	1/4	2,793	1/4	3,939	1/4	5,070	1/4		1/4		1/4		1/4		1/4	
1/2	525	1/2	1,671	1/2	2,817	1/2	3,963	1/2	5,082	1/2		1/2		1/2		1/2		1/2	
3/4	549	3/4	1,695	3/4	2,841	3/4	3,987	3/4	5,094	3/4		3/4		3/4		3/4		3/4	
6	573	6	1,719	6	2,865	6	4,011	6	5,106	6		6		6		6		6	
1/4	597	1/4	1,743	1/4	2,889	1/4	4,035	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	621	1/2	1,767	1/2	2,912	1/2	4,058	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	645	3/4	1,790	3/4	2,936	3/4	4,082	3/4		3/4		3/4		3/4		3/4		3/4	
7	668	7	1,814	7	2,960	7	4,106	7		7		7		7		7		7	
1/4	692	1/4	1,838	1/4	2,984	1/4	4,130	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	716	1/2	1,862	1/2	3,008	1/2	4,154	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	740	3/4	1,886	3/4	3,032	3/4	4,178	3/4		3/4		3/4		3/4		3/4		3/4	
8	764	8	1,910	8	3,056	8	4,202	8		8		8		8		8		8	
1/4	788	1/4	1,934	1/4	3,080	1/4	4,225	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	812	1/2	1,958	1/2	3,103	1/2	4,249	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	836	3/4	1,981	3/4	3,127	3/4	4,273	3/4		3/4		3/4		3/4		3/4		3/4	
9	859	9	2,005	9	3,151	9	4,297	9		9		9		9		9		9	
1/4	883	1/4	2,029	1/4	3,175	1/4	4,321	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	907	1/2	2,053	1/2	3,199	1/2	4,345	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	931	3/4	2,077	3/4	3,223	3/4	4,369	3/4		3/4		3/4		3/4		3/4		3/4	
10	955	10	2,101	10	3,247	10	4,393	10		10		10		10		10		10	
1/4	979	1/4	2,125	1/4	3,271	1/4	4,416	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,003	1/2	2,149	1/2	3,294	1/2	4,440	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,027	3/4	2,172	3/4	3,318	3/4	4,464	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,050	11	2,196	11	3,342	11	4,488	11		11		11		11		11		11	
1/4	1,074	1/4	2,220	1/4	3,366	1/4	4,512	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,098	1/2	2,244	1/2	3,390	1/2	4,536	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,122	3/4	2,268	3/4	3,414	3/4	4,560	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.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE.

STRAPPED: 07/11/2024 JS  
CALCULATED: 07/12/2024 CL  
PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2024

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



# BARGE "HFL 465"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
2 STBD	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	00-1/4	- 00-1/4
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	00-0/8	- 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 = 4'-00"  
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

July 11, 2024

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

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# BARGE "HFL 465"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	205,316	0	190,359	0	175,365	0	160,328	0	145,290	0	130,252	0	115,215	0	100,174
1/4		1/4		1/4	205,007	1/4	190,047	1/4	175,052	1/4	160,014	1/4	144,977	1/4	129,939	1/4	114,901	1/4	99,860
1/2		1/2		1/2	204,697	1/2	189,734	1/2	174,739	1/2	159,701	1/2	144,664	1/2	129,626	1/2	114,588	1/2	99,547
3/4		3/4		3/4	204,387	3/4	189,422	3/4	174,426	3/4	159,388	3/4	144,350	3/4	129,313	3/4	114,275	3/4	99,234
1		1		1	204,077	1	189,110	1	174,112	1	159,075	1	144,037	1	128,999	1	113,962	1	98,920
1/4		1/4		1/4	203,767	1/4	188,797	1/4	173,799	1/4	158,761	1/4	143,724	1/4	128,686	1/4	113,648	1/4	98,607
1/2		1/2		1/2	203,457	1/2	188,485	1/2	173,486	1/2	158,448	1/2	143,410	1/2	128,373	1/2	113,335	1/2	98,293
3/4		3/4		3/4	203,147	3/4	188,173	3/4	173,172	3/4	158,135	3/4	143,097	3/4	128,059	3/4	113,022	3/4	97,980
2		2		2	202,837	2	187,860	2	172,859	2	157,822	2	142,784	2	127,746	2	112,708	2	97,666
1/4		1/4		1/4	202,527	1/4	187,548	1/4	172,546	1/4	157,508	1/4	142,471	1/4	127,433	1/4	112,395	1/4	97,353
1/2		1/2		1/2	202,216	1/2	187,236	1/2	172,233	1/2	157,195	1/2	142,157	1/2	127,120	1/2	112,082	1/2	97,040
3/4		3/4		3/4	201,906	3/4	186,923	3/4	171,919	3/4	156,882	3/4	141,844	3/4	126,806	3/4	111,769	3/4	96,726
3		3		3	201,596	3	186,611	3	171,606	3	156,568	3	141,531	3	126,493	3	111,455	3	96,413
1/4		1/4		1/4	201,286	1/4	186,298	1/4	171,293	1/4	156,255	1/4	141,217	1/4	126,180	1/4	111,142	1/4	96,099
1/2		1/2		1/2	200,976	1/2	185,986	1/2	170,979	1/2	155,942	1/2	140,904	1/2	125,866	1/2	110,829	1/2	95,786
3/4		3/4		3/4	200,665	3/4	185,674	3/4	170,666	3/4	155,629	3/4	140,591	3/4	125,553	3/4	110,516	3/4	95,473
4		4		4	200,353	4	185,361	4	170,353	4	155,315	4	140,278	4	125,240	4	110,202	4	95,159
1/4		1/4		1/4	200,042	1/4	185,049	1/4	170,040	1/4	155,002	1/4	139,964	1/4	124,927	1/4	109,889	1/4	94,846
1/2		1/2		1/2	199,730	1/2	184,737	1/2	169,726	1/2	154,689	1/2	139,651	1/2	124,613	1/2	109,576	1/2	94,532
3/4		3/4		3/4	199,418	3/4	184,424	3/4	169,413	3/4	154,375	3/4	139,338	3/4	124,300	3/4	109,262	3/4	94,219
5		5		5	199,106	5	184,112	5	169,100	5	154,062	5	139,024	5	123,987	5	108,949	5	93,905
1/4		1/4		1/4	198,793	1/4	183,799	1/4	168,786	1/4	153,749	1/4	138,711	1/4	123,673	1/4	108,636	1/4	93,592
1/2		1/2		1/2	198,481	1/2	183,487	1/2	168,473	1/2	153,436	1/2	138,398	1/2	123,360	1/2	108,323	1/2	93,279
3/4		3/4		3/4	198,169	3/4	183,175	3/4	168,160	3/4	153,122	3/4	138,085	3/4	123,047	3/4	108,009	3/4	92,965
6		6	211,923	6	197,856	6	182,862	6	167,847	6	152,809	6	137,771	6	122,734	6	107,696	6	92,652
1/4		1/4		1/4	211,590	1/4	197,544	1/4	182,550	1/4	167,533	1/4	152,496	1/4	122,420	1/4	107,382	1/4	92,338
1/2		1/2		1/2	211,423	1/2	197,231	1/2	182,238	1/2	167,220	1/2	152,182	1/2	122,107	1/2	107,069	1/2	92,025
3/4		3/4		3/4	211,256	3/4	196,919	3/4	181,925	3/4	166,907	3/4	151,869	3/4	121,794	3/4	106,756	3/4	91,711
7		7	211,037	7	196,607	7	181,613	7	166,593	7	151,556	7	136,518	7	121,480	7	106,442	7	91,398
1/4		1/4		1/4	210,818	1/4	196,294	1/4	181,300	1/4	166,280	1/4	151,243	1/4	121,167	1/4	106,129	1/4	91,085
1/2		1/2		1/2	210,599	1/2	195,982	1/2	180,988	1/2	165,967	1/2	150,929	1/2	120,854	1/2	105,815	1/2	90,771
3/4		3/4		3/4	210,380	3/4	195,670	3/4	180,676	3/4	165,654	3/4	150,616	3/4	120,541	3/4	105,502	3/4	90,458
8		8	210,109	8	195,357	8	180,363	8	165,340	8	150,303	8	135,265	8	120,227	8	105,189	8	90,144
1/4		1/4		1/4	209,838	1/4	195,045	1/4	180,051	1/4	165,027	1/4	149,989	1/4	134,952	1/4	119,914	1/4	89,831
1/2		1/2		1/2	209,568	1/2	194,732	1/2	179,739	1/2	164,714	1/2	149,676	1/2	134,638	1/2	119,601	1/2	89,518
3/4		3/4		3/4	209,297	3/4	194,420	3/4	179,426	3/4	164,400	3/4	149,363	3/4	134,325	3/4	119,287	3/4	89,204
9		9	208,996	9	194,108	9	179,114	9	164,087	9	149,050	9	134,012	9	118,974	9	103,935	9	88,891
1/4		1/4		1/4	208,695	1/4	193,795	1/4	178,802	1/4	163,774	1/4	148,736	1/4	133,699	1/4	118,661	1/4	88,577
1/2		1/2		1/2	208,394	1/2	193,483	1/2	178,489	1/2	163,461	1/2	148,423	1/2	133,385	1/2	118,348	1/2	88,264
3/4		3/4		3/4	208,093	3/4	193,171	3/4	178,177	3/4	163,147	3/4	148,110	3/4	133,072	3/4	118,034	3/4	87,950
10		10	207,785	10	192,858	10	177,864	10	162,834	10	147,796	10	132,759	10	117,721	10	102,681	10	87,637
1/4		1/4		1/4	207,477	1/4	192,546	1/4	177,552	1/4	162,521	1/4	147,483	1/4	132,445	1/4	117,408	1/4	87,324
1/2		1/2		1/2	207,170	1/2	192,233	1/2	177,240	1/2	162,207	1/2	147,170	1/2	132,132	1/2	117,094	1/2	87,010
3/4		3/4		3/4	206,862	3/4	191,921	3/4	176,927	3/4	161,894	3/4	146,857	3/4	131,819	3/4	116,781	3/4	86,697
11		11	206,553	11	191,609	11	176,615	11	161,581	11	146,543	11	131,506	11	116,468	11	101,428	11	86,383
1/4		1/4		1/4	206,244	1/4	191,296	1/4	176,303	1/4	161,268	1/4	146,230	1/4	131,192	1/4	116,155	1/4	86,070
1/2		1/2		1/2	205,935	1/2	190,984	1/2	175,990	1/2	160,954	1/2	145,917	1/2	130,879	1/2	115,841	1/2	85,757
3/4		3/4		3/4	205,626	3/4	190,672	3/4	175,678	3/4	160,641	3/4	145,603	3/4	130,566	3/4	115,528	3/4	85,443

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-6" FORWARD OF AFT BULKHEAD.

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



# BARGE "HFL 465"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	85,130	0	70,085	0	55,108	0	40,102	0	25,058	0	10,295	0		0		0		0	
1/4	84,816	1/4	69,772	1/4	54,797	1/4	39,789	1/4	24,745	1/4	10,006	1/4		1/4		1/4		1/4	
1/2	84,503	1/2	69,459	1/2	54,486	1/2	39,475	1/2	24,432	1/2	9,717	1/2		1/2		1/2		1/2	
3/4	84,189	3/4	69,145	3/4	54,175	3/4	39,162	3/4	24,118	3/4	9,428	3/4		3/4		3/4		3/4	
1	83,876	1	68,832	1	53,864	1	38,849	1	23,805	1	9,142	1		1		1		1	
1/4	83,563	1/4	68,518	1/4	53,553	1/4	38,535	1/4	23,491	1/4	8,857	1/4		1/4		1/4		1/4	
1/2	83,249	1/2	68,205	1/2	53,242	1/2	38,222	1/2	23,178	1/2	8,571	1/2		1/2		1/2		1/2	
3/4	82,936	3/4	67,892	3/4	52,931	3/4	37,908	3/4	22,865	3/4	8,286	3/4		3/4		3/4		3/4	
2	82,622	2	67,578	2	52,619	2	37,595	2	22,551	2	8,004	2		2		2		2	
1/4	82,309	1/4	67,265	1/4	52,308	1/4	37,281	1/4	22,238	1/4	7,723	1/4		1/4		1/4		1/4	
1/2	81,995	1/2	66,951	1/2	51,996	1/2	36,968	1/2	21,924	1/2	7,441	1/2		1/2		1/2		1/2	
3/4	81,682	3/4	66,638	3/4	51,685	3/4	36,655	3/4	21,611	3/4	7,160	3/4		3/4		3/4		3/4	
3	81,369	3	66,324	3	51,373	3	36,341	3	21,298	3	6,882	3		3		3		3	
1/4	81,055	1/4	66,011	1/4	51,061	1/4	36,028	1/4	20,984	1/4	6,604	1/4		1/4		1/4		1/4	
1/2	80,742	1/2	65,698	1/2	50,749	1/2	35,714	1/2	20,671	1/2	6,327	1/2		1/2		1/2		1/2	
3/4	80,428	3/4	65,384	3/4	50,438	3/4	35,401	3/4	20,357	3/4	6,049	3/4		3/4		3/4		3/4	
4	80,115	4	65,071	4	50,126	4	35,088	4	20,044	4	5,776	4		4		4		4	
1/4	79,802	1/4	64,758	1/4	49,814	1/4	34,774	1/4	19,730	1/4	5,503	1/4		1/4		1/4		1/4	
1/2	79,488	1/2	64,445	1/2	49,502	1/2	34,461	1/2	19,417	1/2	5,229	1/2		1/2		1/2		1/2	
3/4	79,175	3/4	64,132	3/4	49,190	3/4	34,147	3/4	19,104	3/4	4,956	3/4		3/4		3/4		3/4	
5	78,861	5	63,820	5	48,877	5	33,834	5	18,790	5	4,687	5		5		5		5	
1/4	78,548	1/4	63,508	1/4	48,564	1/4	33,521	1/4	18,477	1/4	4,418	1/4		1/4		1/4		1/4	
1/2	78,234	1/2	63,196	1/2	48,251	1/2	33,207	1/2	18,163	1/2	4,149	1/2		1/2		1/2		1/2	
3/4	77,921	3/4	62,885	3/4	47,937	3/4	32,894	3/4	17,850	3/4	3,880	3/4		3/4		3/4		3/4	
6	77,608	6	62,574	6	47,624	6	32,580	6	17,538	6	3,616	6		6		6		6	
1/4	77,294	1/4	62,262	1/4	47,311	1/4	32,267	1/4	17,226	1/4	3,352	1/4		1/4		1/4		1/4	
1/2	76,981	1/2	61,951	1/2	46,997	1/2	31,954	1/2	16,914	1/2	3,087	1/2		1/2		1/2		1/2	
3/4	76,667	3/4	61,640	3/4	46,684	3/4	31,640	3/4	16,602	3/4	2,823	3/4		3/4		3/4		3/4	
7	76,354	7	61,329	7	46,370	7	31,327	7	16,294	7	2,564	7		7		7		7	
1/4	76,040	1/4	61,018	1/4	46,057	1/4	31,013	1/4	15,985	1/4	2,306	1/4		1/4		1/4		1/4	
1/2	75,727	1/2	60,707	1/2	45,744	1/2	30,700	1/2	15,676	1/2	2,047	1/2		1/2		1/2		1/2	
3/4	75,414	3/4	60,396	3/4	45,430	3/4	30,386	3/4	15,368	3/4	1,788	3/4		3/4		3/4		3/4	
8	75,100	8	60,085	8	45,117	8	30,073	8	15,063	8	1,560	8		8		8		8	
1/4	74,787	1/4	59,774	1/4	44,803	1/4	29,760	1/4	14,758	1/4	1,332	1/4		1/4		1/4		1/4	
1/2	74,473	1/2	59,463	1/2	44,490	1/2	29,446	1/2	14,454	1/2	1,104	1/2		1/2		1/2		1/2	
3/4	74,160	3/4	59,151	3/4	44,177	3/4	29,133	3/4	14,149	3/4	876	3/4		3/4		3/4		3/4	
9	73,847	9	58,840	9	43,863	9	28,819	9	13,848	9	720	9		9		9		9	
1/4	73,533	1/4	58,529	1/4	43,550	1/4	28,506	1/4	13,547	1/4	563	1/4		1/4		1/4		1/4	
1/2	73,220	1/2	58,218	1/2	43,236	1/2	28,193	1/2	13,246	1/2	407	1/2		1/2		1/2		1/2	
3/4	72,906	3/4	57,907	3/4	42,923	3/4	27,879	3/4	12,945	3/4	250	3/4		3/4		3/4		3/4	
10	72,593	10	57,596	10	42,609	10	27,566	10	12,648	10		10		10		10		10	
1/4	72,279	1/4	57,285	1/4	42,296	1/4	27,252	1/4	12,351	1/4		1/4		1/4		1/4		1/4	
1/2	71,966	1/2	56,974	1/2	41,983	1/2	26,939	1/2	12,054	1/2		1/2		1/2		1/2		1/2	
3/4	71,653	3/4	56,663	3/4	41,669	3/4	26,626	3/4	11,757	3/4		3/4		3/4		3/4		3/4	
11	71,339	11	56,352	11	41,356	11	26,312	11	11,464	11		11		11		11		11	
1/4	71,026	1/4	56,041	1/4	41,042	1/4	25,999	1/4	11,171	1/4		1/4		1/4		1/4		1/4	
1/2	70,712	1/2	55,730	1/2	40,729	1/2	25,685	1/2	10,878	1/2		1/2		1/2		1/2		1/2	
3/4	70,399	3/4	55,419	3/4	40,416	3/4	25,372	3/4	10,585	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2024 JS  
CALCULATED: 07/12/2024 CL  
PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HFL 465"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	204,933	0	190,011	0	175,051	0	160,049	0	145,047	0	130,045	0	115,043	0	100,037
1/4	1/4	1/4	204,624	1/4	189,699	1/4	174,739	1/4	159,737	1/4	144,735	1/4	129,732	1/4	114,730	1/4	99,725		
1/2	1/2	1/2	204,315	1/2	189,387	1/2	174,427	1/2	159,424	1/2	144,422	1/2	129,420	1/2	114,418	1/2	99,412		
3/4	3/4	3/4	204,006	3/4	189,076	3/4	174,114	3/4	159,112	3/4	144,109	3/4	129,107	3/4	114,105	3/4	99,099		
1	1	1	203,696	1	188,764	1	173,802	1	158,799	1	143,797	1	128,795	1	113,792	1	98,787		
1/4	1/4	1/4	203,387	1/4	188,452	1/4	173,489	1/4	158,487	1/4	143,484	1/4	128,482	1/4	113,480	1/4	98,474		
1/2	1/2	1/2	203,078	1/2	188,141	1/2	173,177	1/2	158,174	1/2	143,172	1/2	128,170	1/2	113,167	1/2	98,161		
3/4	3/4	3/4	202,768	3/4	187,829	3/4	172,864	3/4	157,862	3/4	142,859	3/4	127,857	3/4	112,855	3/4	97,848		
2	2	2	202,459	2	187,517	2	172,551	2	157,549	2	142,547	2	127,544	2	112,542	2	97,536		
1/4	1/4	1/4	202,149	1/4	187,206	1/4	172,239	1/4	157,237	1/4	142,234	1/4	127,232	1/4	112,230	1/4	97,223		
1/2	1/2	1/2	201,840	1/2	186,894	1/2	171,926	1/2	156,924	1/2	141,922	1/2	126,919	1/2	111,917	1/2	96,910		
3/4	3/4	3/4	201,531	3/4	186,583	3/4	171,614	3/4	156,611	3/4	141,609	3/4	126,607	3/4	111,605	3/4	96,598		
3	3	3	201,221	3	186,271	3	171,301	3	156,299	3	141,296	3	126,294	3	111,292	3	96,285		
1/4	1/4	1/4	200,912	1/4	185,959	1/4	170,989	1/4	155,986	1/4	140,984	1/4	125,982	1/4	110,980	1/4	95,972		
1/2	1/2	1/2	200,602	1/2	185,648	1/2	170,676	1/2	155,674	1/2	140,671	1/2	125,669	1/2	110,667	1/2	95,660		
3/4	3/4	3/4	200,293	3/4	185,336	3/4	170,364	3/4	155,361	3/4	140,359	3/4	125,357	3/4	110,354	3/4	95,347		
4	4	4	199,981	4	185,024	4	170,051	4	155,049	4	140,046	4	125,044	4	110,042	4	95,034		
1/4	1/4	1/4	199,670	1/4	184,713	1/4	169,739	1/4	154,736	1/4	139,734	1/4	124,732	1/4	109,729	1/4	94,722		
1/2	1/2	1/2	199,359	1/2	184,401	1/2	169,426	1/2	154,424	1/2	139,421	1/2	124,419	1/2	109,417	1/2	94,409		
3/4	3/4	3/4	199,048	3/4	184,089	3/4	169,113	3/4	154,111	3/4	139,109	3/4	124,106	3/4	109,104	3/4	94,096		
5	5	5	198,736	5	183,778	5	168,801	5	153,798	5	138,796	5	123,794	5	108,792	5	93,784		
1/4	1/4	1/4	198,425	1/4	183,466	1/4	168,488	1/4	153,486	1/4	138,484	1/4	123,481	1/4	108,479	1/4	93,471		
1/2	1/2	1/2	198,113	1/2	183,154	1/2	168,176	1/2	153,173	1/2	138,171	1/2	123,169	1/2	108,167	1/2	93,158		
3/4	3/4	3/4	211,524	3/4	197,802	3/4	182,843	3/4	167,863	3/4	152,861	3/4	137,858	3/4	122,856	3/4	107,854	3/4	92,846
6	6	6	211,358	6	197,490	6	182,531	6	167,551	6	152,548	6	137,546	6	122,544	6	107,541	6	92,533
1/4	1/4	1/4	211,191	1/4	197,178	1/4	182,220	1/4	167,238	1/4	152,236	1/4	137,233	1/4	122,231	1/4	107,229	1/4	92,220
1/2	1/2	1/2	211,025	1/2	196,867	1/2	181,908	1/2	166,926	1/2	151,923	1/2	136,921	1/2	121,919	1/2	106,916	1/2	91,908
3/4	3/4	3/4	210,859	3/4	196,555	3/4	181,596	3/4	166,613	3/4	151,611	3/4	136,608	3/4	121,606	3/4	106,604	3/4	91,595
7	7	7	210,640	7	196,243	7	181,285	7	166,300	7	151,298	7	136,296	7	121,294	7	106,291	7	91,282
1/4	1/4	1/4	210,422	1/4	195,932	1/4	180,973	1/4	165,988	1/4	150,986	1/4	135,983	1/4	120,981	1/4	105,978	1/4	90,970
1/2	1/2	1/2	210,203	1/2	195,620	1/2	180,661	1/2	165,675	1/2	150,673	1/2	135,671	1/2	120,668	1/2	105,665	1/2	90,657
3/4	3/4	3/4	209,985	3/4	195,308	3/4	180,350	3/4	165,363	3/4	150,360	3/4	135,358	3/4	120,356	3/4	105,353	3/4	90,344
8	8	8	209,715	8	194,997	8	180,038	8	165,050	8	150,048	8	135,045	8	120,043	8	105,040	8	90,031
1/4	1/4	1/4	209,444	1/4	194,685	1/4	179,726	1/4	164,738	1/4	149,735	1/4	134,733	1/4	119,731	1/4	104,727	1/4	89,719
1/2	1/2	1/2	209,174	1/2	194,373	1/2	179,415	1/2	164,425	1/2	149,423	1/2	134,420	1/2	119,418	1/2	104,415	1/2	89,406
3/4	3/4	3/4	208,904	3/4	194,062	3/4	179,103	3/4	164,113	3/4	149,110	3/4	134,108	3/4	119,106	3/4	104,102	3/4	89,093
9	9	9	208,603	9	193,750	9	178,792	9	163,800	9	148,798	9	133,795	9	118,793	9	103,789	9	88,781
1/4	1/4	1/4	208,303	1/4	193,439	1/4	178,480	1/4	163,488	1/4	148,485	1/4	133,483	1/4	118,481	1/4	103,477	1/4	88,468
1/2	1/2	1/2	208,003	1/2	193,127	1/2	178,168	1/2	163,175	1/2	148,173	1/2	133,170	1/2	118,168	1/2	103,164	1/2	88,155
3/4	3/4	3/4	207,703	3/4	192,815	3/4	177,857	3/4	162,862	3/4	147,860	3/4	132,858	3/4	117,856	3/4	102,851	3/4	87,843
10	10	10	207,396	10	192,504	10	177,545	10	162,550	10	147,547	10	132,545	10	117,543	10	102,539	10	87,530
1/4	1/4	1/4	207,089	1/4	192,192	1/4	177,233	1/4	162,237	1/4	147,235	1/4	132,233	1/4	117,230	1/4	102,226	1/4	87,217
1/2	1/2	1/2	206,782	1/2	191,880	1/2	176,922	1/2	161,925	1/2	146,922	1/2	131,920	1/2	116,918	1/2	101,913	1/2	86,905
3/4	3/4	3/4	206,475	3/4	191,569	3/4	176,610	3/4	161,612	3/4	146,610	3/4	131,608	3/4	116,605	3/4	101,601	3/4	86,592
11	11	11	206,166	11	191,257	11	176,298	11	161,300	11	146,297	11	131,295	11	116,293	11	101,288	11	86,279
1/4	1/4	1/4	205,858	1/4	190,945	1/4	175,987	1/4	160,987	1/4	145,985	1/4	130,982	1/4	115,980	1/4	100,975	1/4	85,967
1/2	1/2	1/2	205,550	1/2	190,634	1/2	175,675	1/2	160,675	1/2	145,672	1/2	130,670	1/2	115,668	1/2	100,663	1/2	85,654
3/4	3/4	3/4	205,242	3/4	190,322	3/4	175,363	3/4	160,362	3/4	145,360	3/4	130,357	3/4	115,355	3/4	100,350	3/4	85,341

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-6" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HFL 465"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	85,029	0	70,020	0	55,016	0	40,010	0	25,002	0	10,274	0		0		0		0	
1/4	84,716	1/4	69,707	1/4	54,704	1/4	39,698	1/4	24,690	1/4	9,985	1/4		1/4		1/4		1/4	
1/2	84,403	1/2	69,395	1/2	54,392	1/2	39,385	1/2	24,377	1/2	9,696	1/2		1/2		1/2		1/2	
3/4	84,091	3/4	69,082	3/4	54,079	3/4	39,072	3/4	24,064	3/4	9,408	3/4		3/4		3/4		3/4	
1	83,778	1	68,769	1	53,767	1	38,760	1	23,752	1	9,123	1		1		1		1	
1/4	83,465	1/4	68,457	1/4	53,454	1/4	38,447	1/4	23,439	1/4	8,838	1/4		1/4		1/4		1/4	
1/2	83,153	1/2	68,144	1/2	53,142	1/2	38,134	1/2	23,126	1/2	8,553	1/2		1/2		1/2		1/2	
3/4	82,840	3/4	67,831	3/4	52,829	3/4	37,822	3/4	22,814	3/4	8,269	3/4		3/4		3/4		3/4	
2	82,527	2	67,519	2	52,517	2	37,509	2	22,501	2	7,988	2		2		2		2	
1/4	82,215	1/4	67,206	1/4	52,204	1/4	37,196	1/4	22,188	1/4	7,707	1/4		1/4		1/4		1/4	
1/2	81,902	1/2	66,893	1/2	51,892	1/2	36,884	1/2	21,876	1/2	7,426	1/2		1/2		1/2		1/2	
3/4	81,589	3/4	66,581	3/4	51,579	3/4	36,571	3/4	21,563	3/4	7,145	3/4		3/4		3/4		3/4	
3	81,276	3	66,268	3	51,266	3	36,258	3	21,250	3	6,868	3		3		3		3	
1/4	80,964	1/4	65,955	1/4	50,954	1/4	35,946	1/4	20,938	1/4	6,591	1/4		1/4		1/4		1/4	
1/2	80,651	1/2	65,642	1/2	50,641	1/2	35,633	1/2	20,625	1/2	6,314	1/2		1/2		1/2		1/2	
3/4	80,338	3/4	65,330	3/4	50,329	3/4	35,320	3/4	20,312	3/4	6,037	3/4		3/4		3/4		3/4	
4	80,026	4	65,017	4	50,016	4	35,008	4	20,000	4	5,764	4		4		4		4	
1/4	79,713	1/4	64,704	1/4	49,703	1/4	34,695	1/4	19,687	1/4	5,491	1/4		1/4		1/4		1/4	
1/2	79,400	1/2	64,392	1/2	49,391	1/2	34,382	1/2	19,374	1/2	5,219	1/2		1/2		1/2		1/2	
3/4	79,088	3/4	64,079	3/4	49,078	3/4	34,070	3/4	19,062	3/4	4,946	3/4		3/4		3/4		3/4	
5	78,775	5	63,766	5	48,765	5	33,757	5	18,749	5	4,677	5		5		5		5	
1/4	78,462	1/4	63,454	1/4	48,453	1/4	33,444	1/4	18,436	1/4	4,409	1/4		1/4		1/4		1/4	
1/2	78,150	1/2	63,141	1/2	48,140	1/2	33,132	1/2	18,124	1/2	4,141	1/2		1/2		1/2		1/2	
3/4	77,837	3/4	62,828	3/4	47,827	3/4	32,819	3/4	17,811	3/4	3,872	3/4		3/4		3/4		3/4	
6	77,524	6	62,516	6	47,515	6	32,506	6	17,500	6	3,609	6		6		6		6	
1/4	77,212	1/4	62,203	1/4	47,202	1/4	32,194	1/4	17,188	1/4	3,345	1/4		1/4		1/4		1/4	
1/2	76,899	1/2	61,891	1/2	46,889	1/2	31,881	1/2	16,877	1/2	3,081	1/2		1/2		1/2		1/2	
3/4	76,586	3/4	61,578	3/4	46,577	3/4	31,568	3/4	16,566	3/4	2,818	3/4		3/4		3/4		3/4	
7	76,274	7	61,266	7	46,264	7	31,256	7	16,258	7	2,559	7		7		7		7	
1/4	75,961	1/4	60,953	1/4	45,951	1/4	30,943	1/4	15,950	1/4	2,301	1/4		1/4		1/4		1/4	
1/2	75,648	1/2	60,641	1/2	45,638	1/2	30,630	1/2	15,642	1/2	2,043	1/2		1/2		1/2		1/2	
3/4	75,336	3/4	60,328	3/4	45,326	3/4	30,318	3/4	15,334	3/4	1,785	3/4		3/4		3/4		3/4	
8	75,023	8	60,016	8	45,013	8	30,005	8	15,030	8	1,557	8		8		8		8	
1/4	74,710	1/4	59,703	1/4	44,700	1/4	29,692	1/4	14,726	1/4	1,330	1/4		1/4		1/4		1/4	
1/2	74,398	1/2	59,391	1/2	44,388	1/2	29,380	1/2	14,422	1/2	1,102	1/2		1/2		1/2		1/2	
3/4	74,085	3/4	59,078	3/4	44,075	3/4	29,067	3/4	14,118	3/4	875	3/4		3/4		3/4		3/4	
9	73,772	9	58,766	9	43,762	9	28,754	9	13,818	9	719	9		9		9		9	
1/4	73,459	1/4	58,453	1/4	43,450	1/4	28,442	1/4	13,518	1/4	562	1/4		1/4		1/4		1/4	
1/2	73,147	1/2	58,141	1/2	43,137	1/2	28,129	1/2	13,218	1/2	406	1/2		1/2		1/2		1/2	
3/4	72,834	3/4	57,828	3/4	42,824	3/4	27,816	3/4	12,918	3/4	250	3/4		3/4		3/4		3/4	
10	72,521	10	57,516	10	42,512	10	27,504	10	12,621	10		10		10		10		10	
1/4	72,209	1/4	57,204	1/4	42,199	1/4	27,191	1/4	12,325	1/4		1/4		1/4		1/4		1/4	
1/2	71,896	1/2	56,891	1/2	41,886	1/2	26,878	1/2	12,029	1/2		1/2		1/2		1/2		1/2	
3/4	71,583	3/4	56,579	3/4	41,574	3/4	26,566	3/4	11,732	3/4		3/4		3/4		3/4		3/4	
11	71,271	11	56,266	11	41,261	11	26,253	11	11,440	11		11		11		11		11	
1/4	70,958	1/4	55,954	1/4	40,948	1/4	25,940	1/4	11,147	1/4		1/4		1/4		1/4		1/4	
1/2	70,645	1/2	55,641	1/2	40,636	1/2	25,628	1/2	10,855	1/2		1/2		1/2		1/2		1/2	
3/4	70,333	3/4	55,329	3/4	40,323	3/4	25,315	3/4	10,562	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2024 JS  
CALCULATED: 07/12/2024 CL  
PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2024

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





# BARGE "HFL 465"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	206,843	0	191,900	0	176,905	0	161,860	0	146,814	0	131,768	0	116,723	0	101,673
1/4		1/4		1/4	206,534	1/4	191,588	1/4	176,592	1/4	161,546	1/4	146,501	1/4	131,455	1/4	116,409	1/4	101,360
1/2		1/2		1/2	206,225	1/2	191,275	1/2	176,278	1/2	161,233	1/2	146,187	1/2	131,141	1/2	116,096	1/2	101,046
3/4		3/4		3/4	205,917	3/4	190,963	3/4	175,965	3/4	160,919	3/4	145,874	3/4	130,828	3/4	115,782	3/4	100,732
1		1		1	205,607	1	190,651	1	175,652	1	160,606	1	145,560	1	130,515	1	115,469	1	100,419
1/4		1/4		1/4	205,298	1/4	190,338	1/4	175,338	1/4	160,293	1/4	145,247	1/4	130,201	1/4	115,155	1/4	100,105
1/2		1/2		1/2	204,989	1/2	190,026	1/2	175,025	1/2	159,979	1/2	144,933	1/2	129,888	1/2	114,842	1/2	99,791
3/4		3/4		3/4	204,680	3/4	189,713	3/4	174,711	3/4	159,666	3/4	144,620	3/4	129,574	3/4	114,528	3/4	99,478
2		2		2	204,371	2	189,401	2	174,398	2	159,352	2	144,306	2	129,261	2	114,215	2	99,164
1/4		1/4		1/4	204,061	1/4	189,089	1/4	174,084	1/4	159,039	1/4	143,993	1/4	128,947	1/4	113,902	1/4	98,851
1/2		1/2		1/2	203,752	1/2	188,776	1/2	173,771	1/2	158,725	1/2	143,680	1/2	128,634	1/2	113,588	1/2	98,537
3/4		3/4		3/4	203,443	3/4	188,464	3/4	173,458	3/4	158,412	3/4	143,366	3/4	128,320	3/4	113,275	3/4	98,223
3		3		3	203,134	3	188,151	3	173,144	3	158,098	3	143,053	3	128,007	3	112,961	3	97,910
1/4		1/4		1/4	202,824	1/4	187,839	1/4	172,831	1/4	157,785	1/4	142,739	1/4	127,693	1/4	112,648	1/4	97,596
1/2		1/2		1/2	202,515	1/2	187,527	1/2	172,517	1/2	157,471	1/2	142,426	1/2	127,380	1/2	112,334	1/2	97,283
3/4		3/4		3/4	202,206	3/4	187,214	3/4	172,204	3/4	157,158	3/4	142,112	3/4	127,067	3/4	112,021	3/4	96,969
4		4		4	201,894	4	186,902	4	171,890	4	156,845	4	141,799	4	126,753	4	111,707	4	96,655
1/4		1/4		1/4	201,583	1/4	186,589	1/4	171,577	1/4	156,531	1/4	141,485	1/4	126,440	1/4	111,394	1/4	96,342
1/2		1/2		1/2	201,271	1/2	186,277	1/2	171,263	1/2	156,218	1/2	141,172	1/2	126,126	1/2	111,081	1/2	96,028
3/4		3/4		3/4	200,959	3/4	185,965	3/4	170,950	3/4	155,904	3/4	140,858	3/4	125,813	3/4	110,767	3/4	95,715
5		5		5	200,647	5	185,652	5	170,636	5	155,591	5	140,545	5	125,499	5	110,454	5	95,401
1/4		1/4		1/4	200,335	1/4	185,340	1/4	170,323	1/4	155,277	1/4	140,232	1/4	125,186	1/4	110,140	1/4	95,087
1/2		1/2		1/2	200,022	1/2	185,028	1/2	170,010	1/2	154,964	1/2	139,918	1/2	124,872	1/2	109,827	1/2	94,774
3/4		3/4		3/4	213,426	3/4	199,710	3/4	184,715	3/4	169,696	3/4	154,650	3/4	139,605	3/4	124,559	3/4	109,513
6		6		6	213,260	6	199,397	6	184,403	6	169,383	6	154,337	6	139,291	6	124,246	6	109,200
1/4		1/4		1/4	213,095	1/4	199,085	1/4	184,090	1/4	169,069	1/4	154,023	1/4	138,978	1/4	123,932	1/4	108,886
1/2		1/2		1/2	212,929	1/2	198,773	1/2	183,778	1/2	168,756	1/2	153,710	1/2	138,664	1/2	123,619	1/2	108,573
3/4		3/4		3/4	212,763	3/4	198,460	3/4	183,466	3/4	168,442	3/4	153,397	3/4	138,351	3/4	123,305	3/4	108,259
7		7		7	212,545	7	198,148	7	183,153	7	168,129	7	153,083	7	138,037	7	122,992	7	107,945
1/4		1/4		1/4	212,327	1/4	197,835	1/4	182,841	1/4	167,815	1/4	152,770	1/4	137,724	1/4	122,678	1/4	107,632
1/2		1/2		1/2	212,109	1/2	197,523	1/2	182,528	1/2	167,502	1/2	152,456	1/2	137,411	1/2	122,365	1/2	107,318
3/4		3/4		3/4	211,891	3/4	197,211	3/4	182,216	3/4	167,188	3/4	152,143	3/4	137,097	3/4	122,051	3/4	107,005
8		8		8	211,621	8	196,898	8	181,904	8	166,875	8	151,829	8	136,784	8	121,738	8	106,691
1/4		1/4		1/4	211,351	1/4	196,586	1/4	181,591	1/4	166,562	1/4	151,516	1/4	136,470	1/4	121,424	1/4	106,377
1/2		1/2		1/2	211,081	1/2	196,274	1/2	181,279	1/2	166,248	1/2	151,202	1/2	136,157	1/2	121,111	1/2	106,064
3/4		3/4		3/4	210,811	3/4	195,961	3/4	180,967	3/4	165,935	3/4	150,889	3/4	135,843	3/4	120,798	3/4	105,750
9		9		9	210,511	9	195,649	9	180,654	9	165,621	9	150,575	9	135,530	9	120,484	9	105,436
1/4		1/4		1/4	210,211	1/4	195,336	1/4	180,342	1/4	165,308	1/4	150,262	1/4	135,216	1/4	120,171	1/4	105,123
1/2		1/2		1/2	209,911	1/2	195,024	1/2	180,029	1/2	164,994	1/2	149,949	1/2	134,903	1/2	119,857	1/2	104,809
3/4		3/4		3/4	209,611	3/4	194,712	3/4	179,717	3/4	164,681	3/4	149,635	3/4	134,589	3/4	119,544	3/4	104,496
10		10		10	209,304	10	194,399	10	179,405	10	164,367	10	149,322	10	134,276	10	119,230	10	104,182
1/4		1/4		1/4	208,998	1/4	194,087	1/4	179,092	1/4	164,054	1/4	149,008	1/4	133,963	1/4	118,917	1/4	103,868
1/2		1/2		1/2	208,691	1/2	193,774	1/2	178,780	1/2	163,740	1/2	148,695	1/2	133,649	1/2	118,603	1/2	103,555
3/4		3/4		3/4	208,384	3/4	193,462	3/4	178,467	3/4	163,427	3/4	148,381	3/4	133,336	3/4	118,290	3/4	103,241
11		11		11	208,076	11	193,150	11	178,155	11	163,114	11	148,068	11	133,022	11	117,976	11	102,928
1/4		1/4		1/4	207,768	1/4	192,837	1/4	177,843	1/4	162,800	1/4	147,754	1/4	132,709	1/4	117,663	1/4	102,614
1/2		1/2		1/2	207,460	1/2	192,525	1/2	177,530	1/2	162,487	1/2	147,441	1/2	132,395	1/2	117,350	1/2	102,300
3/4		3/4		3/4	207,152	3/4	192,212	3/4	177,218	3/4	162,173	3/4	147,128	3/4	132,082	3/4	117,036	3/4	101,987

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "HFL 465"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	86,620	0	71,567	0	56,843	0	42,379	0	27,574	0	12,522	0		0		0		0	
1/4	86,306	1/4	71,253	1/4	56,541	1/4	42,078	1/4	27,261	1/4	12,208	1/4		1/4		1/4		1/4	
1/2	85,993	1/2	70,939	1/2	56,239	1/2	41,777	1/2	26,947	1/2	11,895	1/2		1/2		1/2		1/2	
3/4	85,679	3/4	70,626	3/4	55,937	3/4	41,476	3/4	26,634	3/4	11,581	3/4		3/4		3/4		3/4	
1	85,365	1	70,312	1	55,635	1	41,175	1	26,320	1	11,268	1		1		1		1	
1/4	85,052	1/4	69,999	1/4	55,334	1/4	40,874	1/4	26,007	1/4	10,954	1/4		1/4		1/4		1/4	
1/2	84,738	1/2	69,685	1/2	55,032	1/2	40,573	1/2	25,693	1/2	10,640	1/2		1/2		1/2		1/2	
3/4	84,425	3/4	69,371	3/4	54,730	3/4	40,272	3/4	25,380	3/4	10,327	3/4		3/4		3/4		3/4	
2	84,111	2	69,058	2	54,428	2	39,972	2	25,066	2	10,013	2		2		2		2	
1/4	83,797	1/4	68,744	1/4	54,126	1/4	39,671	1/4	24,752	1/4	9,700	1/4		1/4		1/4		1/4	
1/2	83,484	1/2	68,431	1/2	53,824	1/2	39,370	1/2	24,439	1/2	9,386	1/2		1/2		1/2		1/2	
3/4	83,170	3/4	68,117	3/4	53,523	3/4	39,069	3/4	24,125	3/4	9,072	3/4		3/4		3/4		3/4	
3	82,857	3	67,803	3	53,221	3	38,767	3	23,812	3	8,759	3		3		3		3	
1/4	82,543	1/4	67,490	1/4	52,919	1/4	38,466	1/4	23,498	1/4	8,446	1/4		1/4		1/4		1/4	
1/2	82,229	1/2	67,176	1/2	52,617	1/2	38,164	1/2	23,184	1/2	8,132	1/2		1/2		1/2		1/2	
3/4	81,916	3/4	66,862	3/4	52,315	3/4	37,862	3/4	22,871	3/4	7,819	3/4		3/4		3/4		3/4	
4	81,602	4	66,549	4	52,013	4	37,561	4	22,557	4	7,506	4		4		4		4	
1/4	81,289	1/4	66,235	1/4	51,712	1/4	37,259	1/4	22,244	1/4	7,192	1/4		1/4		1/4		1/4	
1/2	80,975	1/2	65,922	1/2	51,410	1/2	36,957	1/2	21,930	1/2	6,879	1/2		1/2		1/2		1/2	
3/4	80,661	3/4	65,608	3/4	51,108	3/4	36,655	3/4	21,616	3/4	6,566	3/4		3/4		3/4		3/4	
5	80,348	5	65,303	5	50,807	5	36,344	5	21,303	5	6,254	5		5		5		5	
1/4	80,034	1/4	64,998	1/4	50,505	1/4	36,034	1/4	20,989	1/4	5,941	1/4		1/4		1/4		1/4	
1/2	79,720	1/2	64,694	1/2	50,204	1/2	35,723	1/2	20,676	1/2	5,628	1/2		1/2		1/2		1/2	
3/4	79,407	3/4	64,389	3/4	49,903	3/4	35,412	3/4	20,362	3/4	5,316	3/4		3/4		3/4		3/4	
6	79,093	6	64,087	6	49,601	6	35,099	6	20,048	6	5,004	6		6		6		6	
1/4	78,780	1/4	63,785	1/4	49,300	1/4	34,785	1/4	19,735	1/4	4,693	1/4		1/4		1/4		1/4	
1/2	78,466	1/2	63,483	1/2	48,999	1/2	34,472	1/2	19,421	1/2	4,381	1/2		1/2		1/2		1/2	
3/4	78,152	3/4	63,182	3/4	48,698	3/4	34,158	3/4	19,108	3/4	4,069	3/4		3/4		3/4		3/4	
7	77,839	7	62,880	7	48,397	7	33,844	7	18,794	7	3,759	7		7		7		7	
1/4	77,525	1/4	62,578	1/4	48,096	1/4	33,531	1/4	18,480	1/4	3,449	1/4		1/4		1/4		1/4	
1/2	77,212	1/2	62,276	1/2	47,795	1/2	33,217	1/2	18,167	1/2	3,139	1/2		1/2		1/2		1/2	
3/4	76,898	3/4	61,974	3/4	47,494	3/4	32,904	3/4	17,853	3/4	2,829	3/4		3/4		3/4		3/4	
8	76,584	8	61,672	8	47,193	8	32,590	8	17,540	8	2,546	8		8		8		8	
1/4	76,271	1/4	61,370	1/4	46,892	1/4	32,276	1/4	17,226	1/4	2,263	1/4		1/4		1/4		1/4	
1/2	75,957	1/2	61,069	1/2	46,591	1/2	31,963	1/2	16,912	1/2	1,980	1/2		1/2		1/2		1/2	
3/4	75,644	3/4	60,767	3/4	46,291	3/4	31,649	3/4	16,599	3/4	1,697	3/4		3/4		3/4		3/4	
9	75,330	9	60,465	9	45,990	9	31,336	9	16,285	9	1,481	9		9		9		9	
1/4	75,016	1/4	60,163	1/4	45,689	1/4	31,022	1/4	15,972	1/4	1,266	1/4		1/4		1/4		1/4	
1/2	74,703	1/2	59,861	1/2	45,388	1/2	30,708	1/2	15,658	1/2	1,050	1/2		1/2		1/2		1/2	
3/4	74,389	3/4	59,559	3/4	45,087	3/4	30,395	3/4	15,344	3/4	835	3/4		3/4		3/4		3/4	
10	74,075	10	59,258	10	44,786	10	30,081	10	15,031	10		10		10		10		10	
1/4	73,762	1/4	58,956	1/4	44,485	1/4	29,768	1/4	14,717	1/4		1/4		1/4		1/4		1/4	
1/2	73,448	1/2	58,654	1/2	44,184	1/2	29,454	1/2	14,404	1/2		1/2		1/2		1/2		1/2	
3/4	73,135	3/4	58,352	3/4	43,883	3/4	29,141	3/4	14,090	3/4		3/4		3/4		3/4		3/4	
11	72,821	11	58,050	11	43,582	11	28,828	11	13,776	11		11		11		11		11	
1/4	72,507	1/4	57,748	1/4	43,281	1/4	28,514	1/4	13,463	1/4		1/4		1/4		1/4		1/4	
1/2	72,194	1/2	57,447	1/2	42,981	1/2	28,201	1/2	13,149	1/2		1/2		1/2		1/2		1/2	
3/4	71,880	3/4	57,145	3/4	42,680	3/4	27,888	3/4	12,836	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2024 JS  
CALCULATED: 07/12/2024 CL  
PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2024

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





# BARGE "HFL 465"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	208,126	0	193,172	0	178,166	0	163,110	0	148,053	0	132,997	0	117,940	0	102,880
1/4		1/4		1/4	207,817	1/4	192,860	1/4	177,853	1/4	162,796	1/4	147,740	1/4	132,683	1/4	117,626	1/4	102,566
1/2		1/2		1/2	207,508	1/2	192,547	1/2	177,539	1/2	162,483	1/2	147,426	1/2	132,369	1/2	117,313	1/2	102,252
3/4		3/4		3/4	207,199	3/4	192,234	3/4	177,226	3/4	162,169	3/4	147,112	3/4	132,056	3/4	116,999	3/4	101,938
1		1		1	206,890	1	191,922	1	176,912	1	161,855	1	146,799	1	131,742	1	116,685	1	101,624
1/4		1/4		1/4	206,580	1/4	191,609	1/4	176,598	1/4	161,542	1/4	146,485	1/4	131,428	1/4	116,372	1/4	101,311
1/2		1/2		1/2	206,271	1/2	191,297	1/2	176,285	1/2	161,228	1/2	146,171	1/2	131,115	1/2	116,058	1/2	100,997
3/4		3/4		3/4	205,962	3/4	190,984	3/4	175,971	3/4	160,914	3/4	145,858	3/4	130,801	3/4	115,744	3/4	100,683
2		2		2	205,652	2	190,671	2	175,657	2	160,601	2	145,544	2	130,487	2	115,431	2	100,369
1/4		1/4		1/4	205,343	1/4	190,359	1/4	175,344	1/4	160,287	1/4	145,230	1/4	130,174	1/4	115,117	1/4	100,055
1/2		1/2		1/2	205,033	1/2	190,046	1/2	175,030	1/2	159,973	1/2	144,917	1/2	129,860	1/2	114,803	1/2	99,741
3/4		3/4		3/4	204,724	3/4	189,734	3/4	174,716	3/4	159,660	3/4	144,603	3/4	129,546	3/4	114,490	3/4	99,427
3		3		3	204,414	3	189,421	3	174,403	3	159,346	3	144,289	3	129,233	3	114,176	3	99,114
1/4		1/4		1/4	204,105	1/4	189,108	1/4	174,089	1/4	159,032	1/4	143,976	1/4	128,919	1/4	113,862	1/4	98,800
1/2		1/2		1/2	203,795	1/2	188,796	1/2	173,775	1/2	158,719	1/2	143,662	1/2	128,605	1/2	113,549	1/2	98,486
3/4		3/4		3/4	203,486	3/4	188,483	3/4	173,462	3/4	158,405	3/4	143,348	3/4	128,292	3/4	113,235	3/4	98,172
4		4		4	203,174	4	188,170	4	173,148	4	158,091	4	143,035	4	127,978	4	112,921	4	97,858
1/4		1/4		1/4	202,862	1/4	187,858	1/4	172,834	1/4	157,778	1/4	142,721	1/4	127,664	1/4	112,608	1/4	97,544
1/2		1/2		1/2	202,550	1/2	187,545	1/2	172,521	1/2	157,464	1/2	142,407	1/2	127,351	1/2	112,294	1/2	97,231
3/4		3/4		3/4	202,238	3/4	187,233	3/4	172,207	3/4	157,150	3/4	142,094	3/4	127,037	3/4	111,980	3/4	96,917
5		5		5	201,926	5	186,920	5	171,893	5	156,837	5	141,780	5	126,723	5	111,667	5	96,603
1/4		1/4		1/4	201,613	1/4	186,607	1/4	171,579	1/4	156,523	1/4	141,466	1/4	126,410	1/4	111,353	1/4	96,289
1/2		1/2		1/2	201,300	1/2	186,295	1/2	171,266	1/2	156,209	1/2	141,152	1/2	126,096	1/2	111,039	1/2	95,975
3/4		3/4		3/4	214,714	3/4	200,988	3/4	185,982	3/4	170,952	3/4	155,895	3/4	140,839	3/4	125,782	3/4	110,726
6		6		6	214,548	6	200,675	6	185,670	6	170,638	6	155,582	6	140,525	6	125,468	6	110,412
1/4		1/4		1/4	214,382	1/4	200,362	1/4	185,357	1/4	170,325	1/4	155,268	1/4	140,211	1/4	125,155	1/4	110,098
1/2		1/2		1/2	214,217	1/2	200,050	1/2	185,044	1/2	170,011	1/2	154,954	1/2	139,898	1/2	124,841	1/2	109,784
3/4		3/4		3/4	214,051	3/4	199,737	3/4	184,732	3/4	169,697	3/4	154,641	3/4	139,584	3/4	124,527	3/4	109,470
7		7		7	213,833	7	199,425	7	184,419	7	169,384	7	154,327	7	139,270	7	124,214	7	109,156
1/4		1/4		1/4	213,614	1/4	199,112	1/4	184,106	1/4	169,070	1/4	154,013	1/4	138,957	1/4	123,900	1/4	108,843
1/2		1/2		1/2	213,396	1/2	198,799	1/2	183,794	1/2	168,756	1/2	153,700	1/2	138,643	1/2	123,586	1/2	108,529
3/4		3/4		3/4	213,178	3/4	198,487	3/4	183,481	3/4	168,443	3/4	153,386	3/4	138,329	3/4	123,273	3/4	108,215
8		8		8	212,908	8	198,174	8	183,169	8	168,129	8	153,072	8	138,016	8	122,959	8	107,901
1/4		1/4		1/4	212,638	1/4	197,862	1/4	182,856	1/4	167,815	1/4	152,759	1/4	137,702	1/4	122,645	1/4	107,587
1/2		1/2		1/2	212,367	1/2	197,549	1/2	182,543	1/2	167,502	1/2	152,445	1/2	137,388	1/2	122,332	1/2	107,273
3/4		3/4		3/4	212,097	3/4	197,236	3/4	182,231	3/4	167,188	3/4	152,131	3/4	137,075	3/4	122,018	3/4	106,960
9		9		9	211,797	9	196,924	9	181,918	9	166,874	9	151,818	9	136,761	9	121,704	9	106,646
1/4		1/4		1/4	211,497	1/4	196,611	1/4	181,606	1/4	166,561	1/4	151,504	1/4	136,447	1/4	121,391	1/4	106,332
1/2		1/2		1/2	211,197	1/2	196,298	1/2	181,293	1/2	166,247	1/2	151,190	1/2	136,134	1/2	121,077	1/2	106,018
3/4		3/4		3/4	210,896	3/4	195,986	3/4	180,980	3/4	165,933	3/4	150,877	3/4	135,820	3/4	120,763	3/4	105,704
10		10		10	210,589	10	195,673	10	180,668	10	165,620	10	150,563	10	135,506	10	120,450	10	105,390
1/4		1/4		1/4	210,282	1/4	195,361	1/4	180,355	1/4	165,306	1/4	150,249	1/4	135,193	1/4	120,136	1/4	105,077
1/2		1/2		1/2	209,975	1/2	195,048	1/2	180,042	1/2	164,992	1/2	149,936	1/2	134,879	1/2	119,822	1/2	104,763
3/4		3/4		3/4	209,668	3/4	194,735	3/4	179,730	3/4	164,679	3/4	149,622	3/4	134,565	3/4	119,509	3/4	104,449
11		11		11	209,360	11	194,423	11	179,417	11	164,365	11	149,308	11	134,252	11	119,195	11	104,135
1/4		1/4		1/4	209,052	1/4	194,110	1/4	179,105	1/4	164,051	1/4	148,994	1/4	133,938	1/4	118,881	1/4	103,821
1/2		1/2		1/2	208,743	1/2	193,798	1/2	178,792	1/2	163,737	1/2	148,681	1/2	133,624	1/2	118,568	1/2	103,507
3/4		3/4		3/4	208,435	3/4	193,485	3/4	178,479	3/4	163,424	3/4	148,367	3/4	133,310	3/4	118,254	3/4	103,194

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE  
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
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# BARGE "HFL 465"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	87,815	0	72,751	0	57,687	0	42,647	0	27,596	0	12,532	0		0		0		0	
1/4	87,502	1/4	72,437	1/4	57,373	1/4	42,334	1/4	27,282	1/4	12,218	1/4		1/4		1/4		1/4	
1/2	87,188	1/2	72,124	1/2	57,059	1/2	42,021	1/2	26,968	1/2	11,905	1/2		1/2		1/2		1/2	
3/4	86,874	3/4	71,810	3/4	56,746	3/4	41,708	3/4	26,655	3/4	11,591	3/4		3/4		3/4		3/4	
1	86,560	1	71,496	1	56,432	1	41,395	1	26,341	1	11,277	1		1		1		1	
1/4	86,246	1/4	71,182	1/4	56,118	1/4	41,083	1/4	26,027	1/4	10,963	1/4		1/4		1/4		1/4	
1/2	85,932	1/2	70,868	1/2	55,804	1/2	40,770	1/2	25,713	1/2	10,649	1/2		1/2		1/2		1/2	
3/4	85,619	3/4	70,554	3/4	55,490	3/4	40,457	3/4	25,400	3/4	10,335	3/4		3/4		3/4		3/4	
2	85,305	2	70,241	2	55,176	2	40,144	2	25,086	2	10,022	2		2		2		2	
1/4	84,991	1/4	69,927	1/4	54,863	1/4	39,831	1/4	24,772	1/4	9,708	1/4		1/4		1/4		1/4	
1/2	84,677	1/2	69,613	1/2	54,549	1/2	39,518	1/2	24,458	1/2	9,394	1/2		1/2		1/2		1/2	
3/4	84,363	3/4	69,299	3/4	54,235	3/4	39,205	3/4	24,144	3/4	9,080	3/4		3/4		3/4		3/4	
3	84,049	3	68,985	3	53,921	3	38,891	3	23,830	3	8,766	3		3		3		3	
1/4	83,736	1/4	68,671	1/4	53,607	1/4	38,578	1/4	23,516	1/4	8,453	1/4		1/4		1/4		1/4	
1/2	83,422	1/2	68,358	1/2	53,293	1/2	38,264	1/2	23,203	1/2	8,139	1/2		1/2		1/2		1/2	
3/4	83,108	3/4	68,044	3/4	52,979	3/4	37,951	3/4	22,889	3/4	7,825	3/4		3/4		3/4		3/4	
4	82,794	4	67,730	4	52,666	4	37,637	4	22,575	4	7,512	4		4		4		4	
1/4	82,480	1/4	67,416	1/4	52,352	1/4	37,323	1/4	22,261	1/4	7,199	1/4		1/4		1/4		1/4	
1/2	82,166	1/2	67,102	1/2	52,038	1/2	37,009	1/2	21,947	1/2	6,885	1/2		1/2		1/2		1/2	
3/4	81,853	3/4	66,788	3/4	51,724	3/4	36,695	3/4	21,633	3/4	6,572	3/4		3/4		3/4		3/4	
5	81,539	5	66,475	5	51,411	5	36,381	5	21,320	5	6,259	5		5		5		5	
1/4	81,225	1/4	66,161	1/4	51,098	1/4	36,068	1/4	21,006	1/4	5,946	1/4		1/4		1/4		1/4	
1/2	80,911	1/2	65,847	1/2	50,784	1/2	35,754	1/2	20,692	1/2	5,634	1/2		1/2		1/2		1/2	
3/4	80,597	3/4	65,533	3/4	50,471	3/4	35,440	3/4	20,378	3/4	5,321	3/4		3/4		3/4		3/4	
6	80,283	6	65,219	6	50,158	6	35,126	6	20,064	6	5,009	6		6		6		6	
1/4	79,970	1/4	64,905	1/4	49,845	1/4	34,812	1/4	19,750	1/4	4,697	1/4		1/4		1/4		1/4	
1/2	79,656	1/2	64,591	1/2	49,532	1/2	34,498	1/2	19,437	1/2	4,385	1/2		1/2		1/2		1/2	
3/4	79,342	3/4	64,278	3/4	49,218	3/4	34,185	3/4	19,123	3/4	4,073	3/4		3/4		3/4		3/4	
7	79,028	7	63,964	7	48,905	7	33,871	7	18,809	7	3,763	7		7		7		7	
1/4	78,714	1/4	63,650	1/4	48,592	1/4	33,557	1/4	18,495	1/4	3,452	1/4		1/4		1/4		1/4	
1/2	78,400	1/2	63,336	1/2	48,279	1/2	33,243	1/2	18,181	1/2	3,142	1/2		1/2		1/2		1/2	
3/4	78,087	3/4	63,022	3/4	47,967	3/4	32,929	3/4	17,867	3/4	2,832	3/4		3/4		3/4		3/4	
8	77,773	8	62,708	8	47,654	8	32,615	8	17,554	8	2,549	8		8		8		8	
1/4	77,459	1/4	62,395	1/4	47,341	1/4	32,302	1/4	17,240	1/4	2,265	1/4		1/4		1/4		1/4	
1/2	77,145	1/2	62,081	1/2	47,028	1/2	31,988	1/2	16,926	1/2	1,982	1/2		1/2		1/2		1/2	
3/4	76,831	3/4	61,767	3/4	46,715	3/4	31,674	3/4	16,612	3/4	1,699	3/4		3/4		3/4		3/4	
9	76,517	9	61,453	9	46,402	9	31,360	9	16,298	9	1,483	9		9		9		9	
1/4	76,203	1/4	61,139	1/4	46,089	1/4	31,046	1/4	15,984	1/4	1,267	1/4		1/4		1/4		1/4	
1/2	75,890	1/2	60,825	1/2	45,776	1/2	30,732	1/2	15,671	1/2	1,052	1/2		1/2		1/2		1/2	
3/4	75,576	3/4	60,512	3/4	45,463	3/4	30,419	3/4	15,357	3/4	836	3/4		3/4		3/4		3/4	
10	75,262	10	60,198	10	45,150	10	30,105	10	15,043	10		10		10		10		10	
1/4	74,948	1/4	59,884	1/4	44,837	1/4	29,791	1/4	14,729	1/4		1/4		1/4		1/4		1/4	
1/2	74,634	1/2	59,570	1/2	44,525	1/2	29,477	1/2	14,415	1/2		1/2		1/2		1/2		1/2	
3/4	74,320	3/4	59,256	3/4	44,212	3/4	29,164	3/4	14,101	3/4		3/4		3/4		3/4		3/4	
11	74,007	11	58,942	11	43,899	11	28,850	11	13,788	11		11		11		11		11	
1/4	73,693	1/4	58,629	1/4	43,586	1/4	28,537	1/4	13,474	1/4		1/4		1/4		1/4		1/4	
1/2	73,379	1/2	58,315	1/2	43,273	1/2	28,223	1/2	13,160	1/2		1/2		1/2		1/2		1/2	
3/4	73,065	3/4	58,001	3/4	42,960	3/4	27,909	3/4	12,846	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2024 JS  
CALCULATED: 07/12/2024 CL  
PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2024

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





# BARGE "HFL 465"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	188,054	0	177,742	0	167,426	0	157,075	0	146,350	0	131,416	0	116,470	0	101,517
1/4		1/4		1/4	187,840	1/4	177,527	1/4	167,211	1/4	156,860	1/4	146,040	1/4	131,104	1/4	116,158	1/4	101,205
1/2		1/2		1/2	187,625	1/2	177,312	1/2	166,995	1/2	156,644	1/2	145,729	1/2	130,793	1/2	115,847	1/2	100,893
3/4		3/4		3/4	187,411	3/4	177,097	3/4	166,780	3/4	156,428	3/4	145,419	3/4	130,481	3/4	115,536	3/4	100,581
1		1		1	187,196	1	176,882	1	166,564	1	156,213	1	145,108	1	130,170	1	115,224	1	100,269
1/4		1/4		1/4	186,981	1/4	176,667	1/4	166,348	1/4	155,997	1/4	144,798	1/4	129,859	1/4	114,913	1/4	99,958
1/2		1/2		1/2	186,767	1/2	176,452	1/2	166,133	1/2	155,782	1/2	144,487	1/2	129,547	1/2	114,602	1/2	99,646
3/4		3/4		3/4	186,552	3/4	176,237	3/4	165,917	3/4	155,566	3/4	144,177	3/4	129,236	3/4	114,290	3/4	99,334
2		2		2	186,337	2	176,022	2	165,702	2	155,350	2	143,866	2	128,925	2	113,979	2	99,022
1/4		1/4		1/4	186,122	1/4	175,808	1/4	165,486	1/4	155,135	1/4	143,556	1/4	128,613	1/4	113,668	1/4	98,711
1/2		1/2		1/2	185,907	1/2	175,593	1/2	165,270	1/2	154,919	1/2	143,246	1/2	128,302	1/2	113,356	1/2	98,399
3/4		3/4		3/4	185,693	3/4	175,378	3/4	165,055	3/4	154,703	3/4	142,935	3/4	127,990	3/4	113,045	3/4	98,087
3		3		3	185,478	3	175,163	3	164,839	3	154,488	3	142,624	3	127,679	3	112,733	3	97,775
1/4		1/4		1/4	185,263	1/4	174,948	1/4	164,623	1/4	154,272	1/4	142,313	1/4	127,368	1/4	112,422	1/4	97,464
1/2		1/2		1/2	185,048	1/2	174,733	1/2	164,408	1/2	154,056	1/2	142,002	1/2	127,056	1/2	112,111	1/2	97,152
3/4		3/4		3/4	184,833	3/4	174,518	3/4	164,192	3/4	153,841	3/4	141,691	3/4	126,745	3/4	111,799	3/4	96,841
4		4		4	184,618	4	174,303	4	163,976	4	153,625	4	141,379	4	126,434	4	111,488	4	96,529
1/4		1/4		1/4	184,403	1/4	174,088	1/4	163,761	1/4	153,409	1/4	141,068	1/4	126,122	1/4	111,177	1/4	96,218
1/2		1/2		1/2	184,188	1/2	173,874	1/2	163,545	1/2	153,194	1/2	140,757	1/2	125,811	1/2	110,865	1/2	95,906
3/4		3/4		3/4	183,973	3/4	173,659	3/4	163,329	3/4	152,978	3/4	140,445	3/4	125,500	3/4	110,554	3/4	95,595
5		5		5	183,759	5	173,444	5	163,114	5	152,762	5	140,134	5	125,188	5	110,242	5	95,283
1/4		1/4		1/4	183,544	1/4	173,229	1/4	162,898	1/4	152,547	1/4	139,822	1/4	124,877	1/4	109,931	1/4	94,971
1/2		1/2		1/2	183,329	1/2	173,014	1/2	162,682	1/2	152,331	1/2	139,511	1/2	124,565	1/2	109,620	1/2	94,660
3/4		3/4		3/4	192,252	3/4	183,114	3/4	172,799	3/4	162,467	3/4	152,115	3/4	139,200	3/4	124,254	3/4	109,308
6		6		6	192,182	6	182,899	6	172,584	6	162,251	6	151,900	6	138,888	6	123,943	6	108,997
1/4		1/4		1/4	192,112	1/4	182,684	1/4	172,369	1/4	162,035	1/4	151,684	1/4	138,577	1/4	123,631	1/4	108,685
1/2		1/2		1/2	192,042	1/2	182,469	1/2	172,154	1/2	161,820	1/2	151,468	1/2	138,266	1/2	123,320	1/2	108,374
3/4		3/4		3/4	191,971	3/4	182,254	3/4	171,940	3/4	161,604	3/4	151,253	3/4	137,954	3/4	123,009	3/4	108,063
7		7		7	191,849	7	182,039	7	171,725	7	161,388	7	151,037	7	137,643	7	122,697	7	107,751
1/4		1/4		1/4	191,727	1/4	181,825	1/4	171,510	1/4	161,173	1/4	150,822	1/4	137,331	1/4	122,386	1/4	107,440
1/2		1/2		1/2	191,605	1/2	181,610	1/2	171,295	1/2	160,957	1/2	150,606	1/2	137,020	1/2	122,074	1/2	107,128
3/4		3/4		3/4	191,483	3/4	181,395	3/4	171,080	3/4	160,742	3/4	150,390	3/4	136,709	3/4	121,763	3/4	106,817
8		8		8	191,308	8	181,180	8	170,865	8	160,526	8	150,175	8	136,397	8	121,452	8	106,505
1/4		1/4		1/4	191,134	1/4	180,965	1/4	170,650	1/4	160,310	1/4	149,959	1/4	136,086	1/4	121,140	1/4	106,193
1/2		1/2		1/2	190,960	1/2	180,750	1/2	170,435	1/2	160,095	1/2	149,743	1/2	135,775	1/2	120,829	1/2	105,882
3/4		3/4		3/4	190,786	3/4	180,535	3/4	170,220	3/4	159,879	3/4	149,528	3/4	135,463	3/4	120,518	3/4	105,570
9		9		9	190,582	9	180,320	9	170,005	9	159,663	9	149,313	9	135,152	9	120,206	9	105,258
1/4		1/4		1/4	190,379	1/4	180,105	1/4	169,791	1/4	159,448	1/4	149,098	1/4	134,841	1/4	119,895	1/4	104,946
1/2		1/2		1/2	190,175	1/2	179,891	1/2	169,576	1/2	159,232	1/2	148,883	1/2	134,529	1/2	119,584	1/2	104,634
3/4		3/4		3/4	189,971	3/4	179,676	3/4	169,361	3/4	158,916	3/4	148,668	3/4	134,218	3/4	119,272	3/4	104,323
10		10		10	189,759	10	179,461	10	169,146	10	158,801	10	148,453	10	133,906	10	118,961	10	104,011
1/4		1/4		1/4	189,547	1/4	179,246	1/4	168,931	1/4	158,585	1/4	148,239	1/4	133,595	1/4	118,649	1/4	103,699
1/2		1/2		1/2	189,335	1/2	179,031	1/2	168,716	1/2	158,369	1/2	148,024	1/2	133,284	1/2	118,338	1/2	103,387
3/4		3/4		3/4	189,123	3/4	178,816	3/4	168,501	3/4	158,154	3/4	147,810	3/4	132,972	3/4	118,027	3/4	103,076
11		11		11	188,909	11	178,601	11	168,286	11	157,938	11	147,522	11	132,661	11	117,715	11	102,764
1/4		1/4		1/4	188,695	1/4	178,386	1/4	168,071	1/4	157,722	1/4	147,235	1/4	132,350	1/4	117,404	1/4	102,452
1/2		1/2		1/2	188,482	1/2	178,171	1/2	167,857	1/2	157,507	1/2	146,948	1/2	132,038	1/2	117,093	1/2	102,140
3/4		3/4		3/4	188,268	3/4	177,956	3/4	167,642	3/4	157,291	3/4	146,661	3/4	131,727	3/4	116,781	3/4	101,828

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "HFL 465"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	86,559	0	71,629	0	56,775	0	42,260	0	27,440	0	12,469	0		0		0		0	
1/4	86,247	1/4	71,320	1/4	56,472	1/4	41,955	1/4	27,128	1/4	12,157	1/4		1/4		1/4		1/4	
1/2	85,935	1/2	71,010	1/2	56,169	1/2	41,651	1/2	26,817	1/2	11,845	1/2		1/2		1/2		1/2	
3/4	85,623	3/4	70,700	3/4	55,866	3/4	41,346	3/4	26,505	3/4	11,533	3/4		3/4		3/4		3/4	
1	85,311	1	70,390	1	55,564	1	41,041	1	26,193	1	11,221	1		1		1		1	
1/4	85,000	1/4	70,080	1/4	55,262	1/4	40,737	1/4	25,881	1/4	10,909	1/4		1/4		1/4		1/4	
1/2	84,688	1/2	69,770	1/2	54,960	1/2	40,432	1/2	25,569	1/2	10,596	1/2		1/2		1/2		1/2	
3/4	84,376	3/4	69,460	3/4	54,658	3/4	40,128	3/4	25,257	3/4	10,284	3/4		3/4		3/4		3/4	
2	84,064	2	69,150	2	54,356	2	39,823	2	24,945	2	9,972	2		2		2		2	
1/4	83,752	1/4	68,840	1/4	54,054	1/4	39,519	1/4	24,634	1/4	9,659	1/4		1/4		1/4		1/4	
1/2	83,440	1/2	68,531	1/2	53,752	1/2	39,214	1/2	24,322	1/2	9,347	1/2		1/2		1/2		1/2	
3/4	83,129	3/4	68,221	3/4	53,450	3/4	38,909	3/4	24,010	3/4	9,035	3/4		3/4		3/4		3/4	
3	82,817	3	67,911	3	53,148	3	38,605	3	23,698	3	8,723	3		3		3		3	
1/4	82,505	1/4	67,601	1/4	52,846	1/4	38,300	1/4	23,386	1/4	8,410	1/4		1/4		1/4		1/4	
1/2	82,193	1/2	67,291	1/2	52,544	1/2	37,996	1/2	23,074	1/2	8,098	1/2		1/2		1/2		1/2	
3/4	81,881	3/4	66,981	3/4	52,242	3/4	37,691	3/4	22,762	3/4	7,786	3/4		3/4		3/4		3/4	
4	81,569	4	66,671	4	51,939	4	37,386	4	22,450	4	7,475	4		4		4		4	
1/4	81,257	1/4	66,361	1/4	51,637	1/4	37,082	1/4	22,138	1/4	7,163	1/4		1/4		1/4		1/4	
1/2	80,946	1/2	66,052	1/2	51,335	1/2	36,777	1/2	21,826	1/2	6,851	1/2		1/2		1/2		1/2	
3/4	80,634	3/4	65,742	3/4	51,033	3/4	36,473	3/4	21,514	3/4	6,540	3/4		3/4		3/4		3/4	
5	80,322	5	65,432	5	50,731	5	36,163	5	21,203	5	6,229	5		5		5		5	
1/4	80,010	1/4	65,122	1/4	50,429	1/4	35,854	1/4	20,891	1/4	5,918	1/4		1/4		1/4		1/4	
1/2	79,698	1/2	64,812	1/2	50,127	1/2	35,545	1/2	20,579	1/2	5,607	1/2		1/2		1/2		1/2	
3/4	79,386	3/4	64,502	3/4	49,825	3/4	35,235	3/4	20,267	3/4	5,295	3/4		3/4		3/4		3/4	
6	79,074	6	64,192	6	49,523	6	34,924	6	19,955	6	4,985	6		6		6		6	
1/4	78,763	1/4	63,882	1/4	49,221	1/4	34,612	1/4	19,643	1/4	4,675	1/4		1/4		1/4		1/4	
1/2	78,451	1/2	63,572	1/2	48,919	1/2	34,300	1/2	19,331	1/2	4,364	1/2		1/2		1/2		1/2	
3/4	78,139	3/4	63,263	3/4	48,617	3/4	33,989	3/4	19,019	3/4	4,054	3/4		3/4		3/4		3/4	
7	77,829	7	62,951	7	48,315	7	33,677	7	18,707	7	3,745	7		7		7		7	
1/4	77,518	1/4	62,640	1/4	48,013	1/4	33,365	1/4	18,395	1/4	3,436	1/4		1/4		1/4		1/4	
1/2	77,208	1/2	62,329	1/2	47,711	1/2	33,053	1/2	18,083	1/2	3,127	1/2		1/2		1/2		1/2	
3/4	76,897	3/4	62,018	3/4	47,409	3/4	32,741	3/4	17,772	3/4	2,818	3/4		3/4		3/4		3/4	
8	76,588	8	61,707	8	47,107	8	32,429	8	17,460	8	2,536	8		8		8		8	
1/4	76,278	1/4	61,395	1/4	46,806	1/4	32,117	1/4	17,148	1/4	2,254	1/4		1/4		1/4		1/4	
1/2	75,968	1/2	61,083	1/2	46,504	1/2	31,805	1/2	16,836	1/2	1,972	1/2		1/2		1/2		1/2	
3/4	75,658	3/4	60,772	3/4	46,203	3/4	31,494	3/4	16,524	3/4	1,690	3/4		3/4		3/4		3/4	
9	75,348	9	60,460	9	45,902	9	31,182	9	16,212	9	1,475	9		9		9		9	
1/4	75,038	1/4	60,149	1/4	45,600	1/4	30,870	1/4	15,900	1/4	1,261	1/4		1/4		1/4		1/4	
1/2	74,728	1/2	59,837	1/2	45,299	1/2	30,558	1/2	15,588	1/2	1,046	1/2		1/2		1/2		1/2	
3/4	74,418	3/4	59,526	3/4	44,998	3/4	30,246	3/4	15,276	3/4	832	3/4		3/4		3/4		3/4	
10	74,108	10	59,219	10	44,694	10	29,934	10	14,964	10		10		10		10		10	
1/4	73,799	1/4	58,912	1/4	44,390	1/4	29,622	1/4	14,652	1/4		1/4		1/4		1/4		1/4	
1/2	73,489	1/2	58,605	1/2	44,087	1/2	29,311	1/2	14,341	1/2		1/2		1/2		1/2		1/2	
3/4	73,179	3/4	58,298	3/4	43,783	3/4	28,999	3/4	14,029	3/4		3/4		3/4		3/4		3/4	
11	72,869	11	57,993	11	43,478	11	28,687	11	13,717	11		11		11		11		11	
1/4	72,559	1/4	57,688	1/4	43,174	1/4	28,375	1/4	13,405	1/4		1/4		1/4		1/4		1/4	
1/2	72,249	1/2	57,383	1/2	42,869	1/2	28,064	1/2	13,093	1/2		1/2		1/2		1/2		1/2	
3/4	71,939	3/4	57,078	3/4	42,564	3/4	27,752	3/4	12,781	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2024 JS  
CALCULATED: 07/12/2024 CL  
PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2024

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





# BARGE "HFL 465"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	189,546	0	179,206	0	168,863	0	158,485	0	147,731	0	132,728	0	117,714	0	102,692	
1/4	1/4	1/4	189,331	1/4	178,991	1/4	168,647	1/4	158,269	1/4	147,419	1/4	132,415	1/4	117,401	1/4	102,379			
1/2	1/2	1/2	189,116	1/2	178,775	1/2	168,431	1/2	158,053	1/2	147,107	1/2	132,102	1/2	117,088	1/2	102,066			
3/4	3/4	3/4	188,901	3/4	178,560	3/4	168,215	3/4	157,836	3/4	146,795	3/4	131,789	3/4	116,775	3/4	101,752			
1	1	1	188,686	1	178,344	1	167,999	1	157,620	1	146,483	1	131,477	1	116,462	1	101,439			
1/4	1/4	1/4	188,470	1/4	178,129	1/4	167,783	1/4	157,404	1/4	146,171	1/4	131,164	1/4	116,150	1/4	101,126			
1/2	1/2	1/2	188,255	1/2	177,913	1/2	167,567	1/2	157,188	1/2	145,859	1/2	130,851	1/2	115,837	1/2	100,813			
3/4	3/4	3/4	188,040	3/4	177,698	3/4	167,350	3/4	156,972	3/4	145,548	3/4	130,538	3/4	115,524	3/4	100,499			
2	2	2	187,824	2	177,482	2	167,134	2	156,755	2	145,236	2	130,225	2	115,211	2	100,186			
1/4	1/4	1/4	187,609	1/4	177,267	1/4	166,918	1/4	156,539	1/4	144,924	1/4	129,913	1/4	114,898	1/4	99,873			
1/2	1/2	1/2	187,394	1/2	177,051	1/2	166,702	1/2	156,323	1/2	144,612	1/2	129,600	1/2	114,586	1/2	99,560			
3/4	3/4	3/4	187,178	3/4	176,836	3/4	166,485	3/4	156,107	3/4	144,300	3/4	129,287	3/4	114,273	3/4	99,247			
3	3	3	186,963	3	176,621	3	166,269	3	155,890	3	143,988	3	128,974	3	113,960	3	98,933			
1/4	1/4	1/4	186,747	1/4	176,405	1/4	166,053	1/4	155,674	1/4	143,675	1/4	128,661	1/4	113,647	1/4	98,620			
1/2	1/2	1/2	186,532	1/2	176,190	1/2	165,837	1/2	155,458	1/2	143,362	1/2	128,349	1/2	113,335	1/2	98,307			
3/4	3/4	3/4	186,316	3/4	175,974	3/4	165,621	3/4	155,242	3/4	143,050	3/4	128,036	3/4	113,022	3/4	97,994			
4	4	4	186,101	4	175,759	4	165,404	4	155,026	4	142,737	4	127,723	4	112,709	4	97,681			
1/4	1/4	1/4	185,885	1/4	175,543	1/4	165,188	1/4	154,809	1/4	142,424	1/4	127,410	1/4	112,396	1/4	97,367			
1/2	1/2	1/2	185,670	1/2	175,328	1/2	164,972	1/2	154,593	1/2	142,112	1/2	127,097	1/2	112,083	1/2	97,054			
3/4	3/4	3/4	185,454	3/4	175,112	3/4	164,756	3/4	154,377	3/4	141,799	3/4	126,785	3/4	111,771	3/4	96,741			
5	5	5	185,239	5	174,897	5	164,539	5	154,161	5	141,486	5	126,472	5	111,458	5	96,428			
1/4	1/4	1/4	185,024	1/4	174,681	1/4	164,323	1/4	153,944	1/4	141,173	1/4	126,159	1/4	111,145	1/4	96,115			
1/2	1/2	1/2	184,808	1/2	174,466	1/2	164,107	1/2	153,728	1/2	140,860	1/2	125,846	1/2	110,832	1/2	95,801			
3/4	3/4	193,755	184,593	3/4	174,250	3/4	163,891	3/4	153,512	3/4	140,548	3/4	125,533	3/4	110,519	3/4	95,488			
6	6	193,685	6	184,377	6	174,035	6	163,675	6	153,296	6	140,235	6	125,221	6	110,206	6	95,175		
1/4	1/4	193,614	1/4	184,162	1/4	173,820	1/4	163,458	1/4	153,080	1/4	139,922	1/4	124,908	1/4	109,894	1/4	94,862		
1/2	1/2	193,544	1/2	183,946	1/2	173,604	1/2	163,242	1/2	152,863	1/2	139,609	1/2	124,595	1/2	109,581	1/2	94,548		
3/4	3/4	193,474	183,731	3/4	173,389	3/4	163,026	3/4	152,647	3/4	139,296	3/4	124,282	3/4	109,268	3/4	94,235			
7	7	193,351	7	183,515	7	173,173	7	162,810	7	152,431	7	138,984	7	123,969	7	108,955	7	93,922		
1/4	1/4	193,229	1/4	183,300	1/4	172,958	1/4	162,593	1/4	152,215	1/4	138,671	1/4	123,657	1/4	108,642	1/4	93,609		
1/2	1/2	193,106	1/2	183,084	1/2	172,742	1/2	162,377	1/2	151,998	1/2	138,358	1/2	123,344	1/2	108,329	1/2	93,296		
3/4	3/4	192,983	182,869	3/4	172,527	3/4	162,161	3/4	151,782	3/4	138,045	3/4	123,031	3/4	108,016	3/4	92,982			
8	8	192,809	8	182,653	8	172,311	8	161,945	8	151,566	8	137,732	8	122,718	8	107,703	8	92,669		
1/4	1/4	192,634	1/4	182,438	1/4	172,096	1/4	161,729	1/4	151,350	1/4	137,420	1/4	122,406	1/4	107,390	1/4	92,356		
1/2	1/2	192,460	1/2	182,223	1/2	171,880	1/2	161,512	1/2	151,134	1/2	137,107	1/2	122,093	1/2	107,077	1/2	92,043		
3/4	3/4	192,285	182,007	3/4	171,665	3/4	161,296	3/4	150,917	3/4	136,794	3/4	121,780	3/4	106,764	3/4	91,730			
9	9	192,081	9	181,792	9	171,449	9	161,080	9	150,702	9	136,481	9	121,467	9	106,450	9	91,416		
1/4	1/4	191,876	1/4	181,576	1/4	171,234	1/4	160,864	1/4	150,486	1/4	136,168	1/4	121,154	1/4	106,137	1/4	91,103		
1/2	1/2	191,672	1/2	181,361	1/2	171,018	1/2	160,647	1/2	150,271	1/2	135,856	1/2	120,842	1/2	105,824	1/2	90,790		
3/4	3/4	191,468	181,145	3/4	170,803	3/4	160,431	3/4	150,055	3/4	135,543	3/4	120,529	3/4	105,511	3/4	90,477			
10	10	191,255	10	180,930	10	170,588	10	160,215	10	149,840	10	135,230	10	120,216	10	105,198	10	90,164		
1/4	1/4	191,042	1/4	180,714	1/4	170,372	1/4	159,999	1/4	149,625	1/4	134,917	1/4	119,903	1/4	104,884	1/4	89,850		
1/2	1/2	190,830	1/2	180,499	1/2	170,157	1/2	159,782	1/2	149,410	1/2	134,604	1/2	119,590	1/2	104,571	1/2	89,537		
3/4	3/4	190,617	180,283	3/4	169,941	3/4	159,566	3/4	149,194	3/4	134,292	3/4	119,278	3/4	104,258	3/4	89,224			
11	11	190,403	11	180,068	11	169,726	11	159,350	11	148,906	11	133,979	11	118,965	11	103,945	11	88,911		
1/4	1/4	190,189	1/4	179,852	1/4	169,510	1/4	159,134	1/4	148,618	1/4	133,666	1/4	118,652	1/4	103,632	1/4	88,597		
1/2	1/2	189,975	1/2	179,637	1/2	169,295	1/2	158,918	1/2	148,330	1/2	133,353	1/2	118,339	1/2	103,318	1/2	88,284		
3/4	3/4	189,760	179,422	3/4	169,079	3/4	158,701	3/4	148,043	3/4	133,040	3/4	118,026	3/4	103,005	3/4	87,971			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "HFL 465"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	87,658	0	72,624	0	57,590	0	42,562	0	27,540	0	12,506	0		0		0		0	
1/4	87,345	1/4	72,311	1/4	57,276	1/4	42,249	1/4	27,226	1/4	12,193	1/4		1/4		1/4		1/4	
1/2	87,031	1/2	71,997	1/2	56,963	1/2	41,936	1/2	26,913	1/2	11,880	1/2		1/2		1/2		1/2	
3/4	86,718	3/4	71,684	3/4	56,650	3/4	41,623	3/4	26,600	3/4	11,566	3/4		3/4		3/4		3/4	
1	86,405	1	71,371	1	56,337	1	41,311	1	26,287	1	11,253	1		1		1		1	
1/4	86,092	1/4	71,058	1/4	56,024	1/4	40,998	1/4	25,974	1/4	10,940	1/4		1/4		1/4		1/4	
1/2	85,779	1/2	70,744	1/2	55,710	1/2	40,685	1/2	25,660	1/2	10,627	1/2		1/2		1/2		1/2	
3/4	85,465	3/4	70,431	3/4	55,397	3/4	40,373	3/4	25,347	3/4	10,314	3/4		3/4		3/4		3/4	
2	85,152	2	70,118	2	55,084	2	40,060	2	25,034	2	10,000	2		2		2		2	
1/4	84,839	1/4	69,805	1/4	54,771	1/4	39,747	1/4	24,721	1/4	9,687	1/4		1/4		1/4		1/4	
1/2	84,526	1/2	69,492	1/2	54,458	1/2	39,434	1/2	24,408	1/2	9,374	1/2		1/2		1/2		1/2	
3/4	84,213	3/4	69,178	3/4	54,144	3/4	39,122	3/4	24,094	3/4	9,061	3/4		3/4		3/4		3/4	
3	83,899	3	68,865	3	53,831	3	38,809	3	23,781	3	8,748	3		3		3		3	
1/4	83,586	1/4	68,552	1/4	53,518	1/4	38,496	1/4	23,468	1/4	8,435	1/4		1/4		1/4		1/4	
1/2	83,273	1/2	68,239	1/2	53,205	1/2	38,184	1/2	23,155	1/2	8,122	1/2		1/2		1/2		1/2	
3/4	82,960	3/4	67,926	3/4	52,891	3/4	37,871	3/4	22,842	3/4	7,809	3/4		3/4		3/4		3/4	
4	82,646	4	67,612	4	52,578	4	37,558	4	22,528	4	7,496	4		4		4		4	
1/4	82,333	1/4	67,299	1/4	52,265	1/4	37,245	1/4	22,215	1/4	7,183	1/4		1/4		1/4		1/4	
1/2	82,020	1/2	66,986	1/2	51,952	1/2	36,933	1/2	21,902	1/2	6,871	1/2		1/2		1/2		1/2	
3/4	81,707	3/4	66,673	3/4	51,639	3/4	36,620	3/4	21,589	3/4	6,558	3/4		3/4		3/4		3/4	
5	81,394	5	66,360	5	51,325	5	36,307	5	21,276	5	6,246	5		5		5		5	
1/4	81,080	1/4	66,046	1/4	51,012	1/4	35,995	1/4	20,962	1/4	5,933	1/4		1/4		1/4		1/4	
1/2	80,767	1/2	65,733	1/2	50,699	1/2	35,682	1/2	20,649	1/2	5,621	1/2		1/2		1/2		1/2	
3/4	80,454	3/4	65,420	3/4	50,386	3/4	35,369	3/4	20,336	3/4	5,309	3/4		3/4		3/4		3/4	
6	80,141	6	65,107	6	50,073	6	35,056	6	20,023	6	4,998	6		6		6		6	
1/4	79,828	1/4	64,793	1/4	49,759	1/4	34,743	1/4	19,710	1/4	4,687	1/4		1/4		1/4		1/4	
1/2	79,514	1/2	64,480	1/2	49,446	1/2	34,430	1/2	19,396	1/2	4,375	1/2		1/2		1/2		1/2	
3/4	79,201	3/4	64,167	3/4	49,133	3/4	34,117	3/4	19,083	3/4	4,064	3/4		3/4		3/4		3/4	
7	78,888	7	63,854	7	48,820	7	33,804	7	18,770	7	3,754	7		7		7		7	
1/4	78,575	1/4	63,541	1/4	48,507	1/4	33,490	1/4	18,457	1/4	3,445	1/4		1/4		1/4		1/4	
1/2	78,262	1/2	63,227	1/2	48,193	1/2	33,177	1/2	18,144	1/2	3,135	1/2		1/2		1/2		1/2	
3/4	77,948	3/4	62,914	3/4	47,880	3/4	32,864	3/4	17,830	3/4	2,825	3/4		3/4		3/4		3/4	
8	77,635	8	62,601	8	47,567	8	32,551	8	17,517	8	2,543	8		8		8		8	
1/4	77,322	1/4	62,288	1/4	47,254	1/4	32,238	1/4	17,204	1/4	2,260	1/4		1/4		1/4		1/4	
1/2	77,009	1/2	61,975	1/2	46,941	1/2	31,924	1/2	16,891	1/2	1,977	1/2		1/2		1/2		1/2	
3/4	76,695	3/4	61,661	3/4	46,628	3/4	31,611	3/4	16,578	3/4	1,694	3/4		3/4		3/4		3/4	
9	76,382	9	61,348	9	46,315	9	31,298	9	16,264	9	1,479	9		9		9		9	
1/4	76,069	1/4	61,035	1/4	46,002	1/4	30,985	1/4	15,951	1/4	1,264	1/4		1/4		1/4		1/4	
1/2	75,756	1/2	60,722	1/2	45,689	1/2	30,672	1/2	15,638	1/2	1,049	1/2		1/2		1/2		1/2	
3/4	75,443	3/4	60,409	3/4	45,376	3/4	30,358	3/4	15,325	3/4	834	3/4		3/4		3/4		3/4	
10	75,129	10	60,095	10	45,064	10	30,045	10	15,012	10		10		10		10		10	
1/4	74,816	1/4	59,782	1/4	44,751	1/4	29,732	1/4	14,698	1/4		1/4		1/4		1/4		1/4	
1/2	74,503	1/2	59,469	1/2	44,438	1/2	29,419	1/2	14,385	1/2		1/2		1/2		1/2		1/2	
3/4	74,190	3/4	59,156	3/4	44,125	3/4	29,106	3/4	14,072	3/4		3/4		3/4		3/4		3/4	
11	73,877	11	58,842	11	43,812	11	28,792	11	13,759	11		11		11		11		11	
1/4	73,563	1/4	58,529	1/4	43,500	1/4	28,479	1/4	13,446	1/4		1/4		1/4		1/4		1/4	
1/2	73,250	1/2	58,216	1/2	43,187	1/2	28,166	1/2	13,132	1/2		1/2		1/2		1/2		1/2	
3/4	72,937	3/4	57,903	3/4	42,874	3/4	27,853	3/4	12,819	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2024 JS  
CALCULATED: 07/12/2024 CL  
PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2024

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





# BARGE "HFL 465"

## FUEL TANK ULLAGE 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	477	0	337	0	174	0	35	0		0		0		0		0	
1/4		1/4	475	1/4	333	1/4	170	1/4	33	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	473	1/2	330	1/2	167	1/2	31	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	470	3/4	327	3/4	164	3/4	29	3/4		3/4		3/4		3/4		3/4	
1		1	468	1	323	1	161	1	27	1		1		1		1		1	
1/4		1/4	465	1/4	320	1/4	157	1/4	25	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	463	1/2	316	1/2	154	1/2	23	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	460	3/4	313	3/4	151	3/4	21	3/4		3/4		3/4		3/4		3/4	
2		2	458	2	310	2	148	2	19	2		2		2		2		2	
1/4		1/4	455	1/4	306	1/4	144	1/4	17	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	453	1/2	303	1/2	141	1/2	15	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	450	3/4	300	3/4	138	3/4	13	3/4		3/4		3/4		3/4		3/4	
3		3	447	3	296	3	135	3	12	3		3		3		3		3	
1/4		1/4	444	1/4	293	1/4	132	1/4	10	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	442	1/2	289	1/2	129	1/2	9	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	439	3/4	286	3/4	125	3/4	7	3/4		3/4		3/4		3/4		3/4	
4		4	436	4	282	4	122	4	6	4		4		4		4		4	
1/4		1/4	433	1/4	279	1/4	119	1/4	5	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	430	1/2	276	1/2	116	1/2	4	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	428	3/4	272	3/4	113	3/4	3	3/4		3/4		3/4		3/4		3/4	
5		5	425	5	269	5	110	5	2	5		5		5		5		5	
1/4		1/4	422	1/4	265	1/4	107	1/4	1	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	419	1/2	262	1/2	104	1/2	1	1/2		1/2		1/2		1/2		1/2	
3/4	517	3/4	416	3/4	258	3/4	101	3/4	0	3/4		3/4		3/4		3/4		3/4	
6	516	6	413	6	255	6	98	6		6		6		6		6		6	
1/4	516	1/4	410	1/4	252	1/4	95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	515	1/2	407	1/2	248	1/2	92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	514	3/4	404	3/4	245	3/4	89	3/4		3/4		3/4		3/4		3/4		3/4	
7	513	7	401	7	241	7	87	7		7		7		7		7		7	
1/4	512	1/4	398	1/4	238	1/4	84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	511	1/2	395	1/2	235	1/2	81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	510	3/4	392	3/4	231	3/4	78	3/4		3/4		3/4		3/4		3/4		3/4	
8	508	8	388	8	228	8	75	8		8		8		8		8		8	
1/4	507	1/4	385	1/4	224	1/4	73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	505	1/2	382	1/2	221	1/2	70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	504	3/4	379	3/4	217	3/4	67	3/4		3/4		3/4		3/4		3/4		3/4	
9	502	9	376	9	214	9	64	9		9		9		9		9		9	
1/4	500	1/4	373	1/4	211	1/4	62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	498	1/2	369	1/2	207	1/2	59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	496	3/4	366	3/4	204	3/4	57	3/4		3/4		3/4		3/4		3/4		3/4	
10	494	10	363	10	201	10	54	10		10		10		10		10		10	
1/4	492	1/4	360	1/4	197	1/4	52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	490	1/2	356	1/2	194	1/2	49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	488	3/4	353	3/4	190	3/4	47	3/4		3/4		3/4		3/4		3/4		3/4	
11	486	11	350	11	187	11	44	11		11		11		11		11		11	
1/4	484	1/4	347	1/4	184	1/4	42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	482	1/2	343	1/2	180	1/2	40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	480	3/4	340	3/4	177	3/4	37	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.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER PIPE.

STRAPPED: 07/11/2024 JS  
CALCULATED: 07/12/2024 CL  
PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2024

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



# BARGE "HFL 465"

## PORT SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-11 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	4,536	0	3,390	0	2,244	0	1,098	0		0		0		0	
1/4		1/4		1/4	4,512	1/4	3,366	1/4	2,220	1/4	1,074	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,488	1/2	3,342	1/2	2,196	1/2	1,050	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,464	3/4	3,318	3/4	2,172	3/4	1,026	3/4		3/4		3/4		3/4	
1	1	1	1	1	4,440	1	3,294	1	2,148	1	1,002	1		1		1		1	
1/4		1/4		1/4	4,416	1/4	3,270	1/4	2,124	1/4	979	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,392	1/2	3,247	1/2	2,101	1/2	955	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,369	3/4	3,223	3/4	2,077	3/4	931	3/4		3/4		3/4		3/4	
2	2	2	2	2	4,345	2	3,199	2	2,053	2	907	2		2		2		2	
1/4		1/4		1/4	4,321	1/4	3,175	1/4	2,029	1/4	883	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,297	1/2	3,151	1/2	2,005	1/2	859	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,273	3/4	3,127	3/4	1,981	3/4	835	3/4		3/4		3/4		3/4	
3	3	3	3	3	4,249	3	3,103	3	1,957	3	811	3		3		3		3	
1/4		1/4		1/4	4,225	1/4	3,079	1/4	1,934	1/4	788	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,201	1/2	3,056	1/2	1,910	1/2	764	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,178	3/4	3,032	3/4	1,886	3/4	740	3/4		3/4		3/4		3/4	
4	4	4	4	4	4,154	4	3,008	4	1,862	4	716	4		4		4		4	
1/4		1/4		1/4	4,130	1/4	2,984	1/4	1,838	1/4	692	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,106	1/2	2,960	1/2	1,814	1/2	668	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,082	3/4	2,936	3/4	1,790	3/4	644	3/4		3/4		3/4		3/4	
5	5	5	5	5	4,058	5	2,912	5	1,766	5	621	5		5		5		5	
1/4		1/4		1/4	4,034	1/4	2,888	1/4	1,743	1/4	597	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,106	1/2	4,010	1/2	2,865	1/2	573	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,094	3/4	3,987	3/4	2,841	3/4	549	3/4		3/4		3/4		3/4	
6	6	6	6	6	5,082	6	3,963	6	2,817	6	525	6		6		6		6	
1/4		1/4		1/4	5,070	1/4	3,939	1/4	2,793	1/4	501	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,058	1/2	3,915	1/2	2,769	1/2	477	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,035	3/4	3,891	3/4	2,745	3/4	453	3/4		3/4		3/4		3/4	
7	7	7	7	7	5,011	7	3,867	7	2,721	7	430	7		7		7		7	
1/4		1/4		1/4	4,988	1/4	3,843	1/4	2,697	1/4	406	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,964	1/2	3,819	1/2	2,674	1/2	382	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,940	3/4	3,796	3/4	2,650	3/4	358	3/4		3/4		3/4		3/4	
8	8	8	8	8	4,917	8	3,772	8	2,626	8	334	8		8		8		8	
1/4		1/4		1/4	4,893	1/4	3,748	1/4	2,602	1/4	310	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,869	1/2	3,724	1/2	2,578	1/2	286	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,845	3/4	3,700	3/4	2,554	3/4	262	3/4		3/4		3/4		3/4	
9	9	9	9	9	4,822	9	3,676	9	2,530	9	239	9		9		9		9	
1/4		1/4		1/4	4,798	1/4	3,652	1/4	2,506	1/4	215	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,774	1/2	3,628	1/2	2,483	1/2	191	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,750	3/4	3,605	3/4	2,459	3/4	167	3/4		3/4		3/4		3/4	
10	10	10	10	10	4,726	10	3,581	10	2,435	10	143	10		10		10		10	
1/4		1/4		1/4	4,703	1/4	3,557	1/4	2,411	1/4	119	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,679	1/2	3,533	1/2	2,387	1/2	95	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,655	3/4	3,509	3/4	2,363	3/4	71	3/4		3/4		3/4		3/4	
11	11	11	11	11	4,631	11	3,485	11	2,339	11	48	11		11		11		11	
1/4		1/4		1/4	4,607	1/4	3,461	1/4	2,315	1/4	24	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,583	1/2	3,437	1/2	2,292	1/2	0	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,560	3/4	3,414	3/4	2,268	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.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE.

STRAPPED: 07/11/2024 JS  
CALCULATED: 07/12/2024 CL  
PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2024

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



# BARGE "HFL 465"

## STBD SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-11 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	4,536	0	3,390	0	2,244	0	1,098	0		0		0		0	
1/4		1/4		1/4	4,512	1/4	3,366	1/4	2,220	1/4	1,074	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,488	1/2	3,342	1/2	2,196	1/2	1,050	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,464	3/4	3,318	3/4	2,172	3/4	1,026	3/4		3/4		3/4		3/4	
1	1	1	1	1	4,440	1	3,294	1	2,148	1	1,002	1		1		1		1	
1/4		1/4		1/4	4,416	1/4	3,270	1/4	2,124	1/4	979	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,392	1/2	3,247	1/2	2,101	1/2	955	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,369	3/4	3,223	3/4	2,077	3/4	931	3/4		3/4		3/4		3/4	
2	2	2	2	2	4,345	2	3,199	2	2,053	2	907	2		2		2		2	
1/4		1/4		1/4	4,321	1/4	3,175	1/4	2,029	1/4	883	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,297	1/2	3,151	1/2	2,005	1/2	859	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,273	3/4	3,127	3/4	1,981	3/4	835	3/4		3/4		3/4		3/4	
3	3	3	3	3	4,249	3	3,103	3	1,957	3	811	3		3		3		3	
1/4		1/4		1/4	4,225	1/4	3,079	1/4	1,934	1/4	788	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,201	1/2	3,056	1/2	1,910	1/2	764	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,178	3/4	3,032	3/4	1,886	3/4	740	3/4		3/4		3/4		3/4	
4	4	4	4	4	4,154	4	3,008	4	1,862	4	716	4		4		4		4	
1/4		1/4		1/4	4,130	1/4	2,984	1/4	1,838	1/4	692	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,106	1/2	2,960	1/2	1,814	1/2	668	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,082	3/4	2,936	3/4	1,790	3/4	644	3/4		3/4		3/4		3/4	
5	5	5	5	5	4,058	5	2,912	5	1,766	5	621	5		5		5		5	
1/4		1/4		1/4	4,034	1/4	2,888	1/4	1,743	1/4	597	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,106	1/2	4,010	1/2	2,865	1/2	573	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,094	3/4	3,987	3/4	2,841	3/4	549	3/4		3/4		3/4		3/4	
6	6	6	6	6	5,082	6	3,963	6	2,817	6	525	6		6		6		6	
1/4		1/4		1/4	5,070	1/4	3,939	1/4	2,793	1/4	501	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,058	1/2	3,915	1/2	2,769	1/2	477	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,035	3/4	3,891	3/4	2,745	3/4	453	3/4		3/4		3/4		3/4	
7	7	7	7	7	5,011	7	3,867	7	2,721	7	430	7		7		7		7	
1/4		1/4		1/4	4,988	1/4	3,843	1/4	2,697	1/4	406	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,964	1/2	3,819	1/2	2,674	1/2	382	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,940	3/4	3,796	3/4	2,650	3/4	358	3/4		3/4		3/4		3/4	
8	8	8	8	8	4,917	8	3,772	8	2,626	8	334	8		8		8		8	
1/4		1/4		1/4	4,893	1/4	3,748	1/4	2,602	1/4	310	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,869	1/2	3,724	1/2	2,578	1/2	286	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,845	3/4	3,700	3/4	2,554	3/4	262	3/4		3/4		3/4		3/4	
9	9	9	9	9	4,822	9	3,676	9	2,530	9	239	9		9		9		9	
1/4		1/4		1/4	4,798	1/4	3,652	1/4	2,506	1/4	215	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,774	1/2	3,628	1/2	2,483	1/2	191	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,750	3/4	3,605	3/4	2,459	3/4	167	3/4		3/4		3/4		3/4	
10	10	10	10	10	4,726	10	3,581	10	2,435	10	143	10		10		10		10	
1/4		1/4		1/4	4,703	1/4	3,557	1/4	2,411	1/4	119	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,679	1/2	3,533	1/2	2,387	1/2	95	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,655	3/4	3,509	3/4	2,363	3/4	71	3/4		3/4		3/4		3/4	
11	11	11	11	11	4,631	11	3,485	11	2,339	11	48	11		11		11		11	
1/4		1/4		1/4	4,607	1/4	3,461	1/4	2,315	1/4	24	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,583	1/2	3,437	1/2	2,292	1/2	0	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,560	3/4	3,414	3/4	2,268	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.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE.

STRAPPED: 07/11/2024 JS  
CALCULATED: 07/12/2024 CL  
PRINTED: 07/12/2024 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2024

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