BARGE: HFL 3016

ULLAGE TRIM TABLE
MMC

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

LENGTH BETWEEN DRAFT MARKS: 235'-06"

FWD. DRAFT	**=**	**2'-00"**	
AFT DRAFT	**=**	**4'-00"**	
DIFF.	**=**	**2'-00"**	**(DOWN BY STERN)**

April 11, 2017

THE CORRECTION FOR 2'-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"

BARGE: HFL 3016

JEFFBOAT 16-2310

STBD SLOP

ULLAGE TABLE

8" HATCH

CAPACITIES GIVEN IN GALLONS

REFERENCE GAUGE HEIGHT: 6'-01 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.
0		0		0	4,720	0	3,570	0	2,420	0	1,270	0	120	0		0		0		0		0	
1/4		1/4		1/4	4,696	1/4	3,546	1/4	2,396	1/4	1,246	1/4	96	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,672	1/2	3,522	1/2	2,372	1/2	1,222	1/2	72	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,648	3/4	3,498	3/4	2,348	3/4	1,198	3/4	48	3/4		3/4		3/4		3/4		3/4	
1		1		1	4,624	1	3,474	1	2,324	1	1,174	1	24	1		1		1		1		1	
1/4		1/4		1/4	4,600	1/4	3,450	1/4	2,300	1/4	1,150	1/4	0	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,576	1/2	3,426	1/2	2,276	1/2	1,126	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,552	3/4	3,402	3/4	2,252	3/4	1,102	3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2	4,528	2	3,378	2	2,228	2	1,078	2		2		2		2		2		2	
1/4		1/4		1/4	4,505	1/4	3,354	1/4	2,204	1/4	1,054	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,481	1/2	3,330	1/2	2,180	1/2	1,030	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,457	3/4	3,307	3/4	2,156	3/4	1,006	3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3	4,433	3	3,283	3	2,132	3	982	3		3		3		3		3		3	
1/4		1/4		1/4	4,409	1/4	3,259	1/4	2,108	1/4	958	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,385	1/2	3,235	1/2	2,085	1/2	934	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,361	3/4	3,211	3/4	2,061	3/4	910	3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4	4,337	4	3,187	4	2,037	4	887	4		4		4		4		4		4	
1/4		1/4		1/4	4,313	1/4	3,163	1/4	2,013	1/4	863	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,289	1/2	3,139	1/2	1,989	1/2	839	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,265	3/4	3,115	3/4	1,965	3/4	815	3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5	4,241	5	3,091	5	1,941	5	791	5		5		5		5		5		5	
1/4		1/4		1/4	4,217	1/4	3,067	1/4	1,917	1/4	767	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,193	1/2	3,043	1/2	1,893	1/2	743	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,169	3/4	3,019	3/4	1,869	3/4	719	3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6	4,145	6	2,995	6	1,845	6	695	6		6		6		6		6		6	
1/4		1/4		1/4	4,121	1/4	2,971	1/4	1,821	1/4	671	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2	5,247	1/2	4,097	1/2	2,947	1/2	1,797	1/2	647	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	5,223	3/4	4,073	3/4	2,923	3/4	1,773	3/4	623	3/4		3/4		3/4		3/4		3/4		3/4	
7		7	5,199	7	4,049	7	2,899	7	1,749	7	599	7		7		7		7		7		7	
1/4		1/4	5,175	1/4	4,025	1/4	2,875	1/4	1,725	1/4	575	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2	5,151	1/2	4,001	1/2	2,851	1/2	1,701	1/2	551	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	5,127	3/4	3,977	3/4	2,827	3/4	1,677	3/4	527	3/4		3/4		3/4		3/4		3/4		3/4	
8		8	5,104	8	3,953	8	2,803	8	1,653	8	503	8		8		8		8		8		8	
1/4		1/4	5,080	1/4	3,929	1/4	2,779	1/4	1,629	1/4	479	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2	5,056	1/2	3,906	1/2	2,755	1/2	1,605	1/2	455	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	5,032	3/4	3,882	3/4	2,731	3/4	1,581	3/4	431	3/4		3/4		3/4		3/4		3/4		3/4	
9		9	5,008	9	3,858	9	2,708	9	1,557	9	407	9		9		9		9		9		9	
1/4		1/4	4,984	1/4	3,834	1/4	2,684	1/4	1,533	1/4	383	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,960	1/2	3,810	1/2	2,660	1/2	1,509	1/2	359	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,936	3/4	3,786	3/4	2,636	3/4	1,486	3/4	335	3/4		3/4		3/4		3/4		3/4		3/4	
10		10	4,912	10	3,762	10	2,612	10	1,462	10	311	10		10		10		10		10		10	
1/4		1/4	4,888	1/4	3,738	1/4	2,588	1/4	1,438	1/4	288	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,864	1/2	3,714	1/2	2,564	1/2	1,414	1/2	264	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,840	3/4	3,690	3/4	2,540	3/4	1,390	3/4	240	3/4		3/4		3/4		3/4		3/4		3/4	
11		11	4,816	11	3,666	11	2,516	11	1,366	11	216	11		11		11		11		11		11	
1/4		1/4	4,792	1/4	3,642	1/4	2,492	1/4	1,342	1/4	192	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,768	1/2	3,618	1/2	2,468	1/2	1,318	1/2	168	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,744	3/4	3,594	3/4	2,444	3/4	1,294	3/4	144	3/4		3/4		3/4		3/4		3/4		3/4	

NOTE: GAUGE POINT: TO TOP LIP OF 8" HATCH.
NOTE: GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK
NOTE: FOR GREATER ACCURACY, BARGE SHOULD BE UPRIGHT AND ON EVEN KEEL
NOTE: MEASURED AND COMPUTED IN ACCORDANCE WITH API MPMS 2.7

DATE STRAPPED: 03/02/2017 BY: JM
DATE COMPUTED: 04/11/2017 BY: CL
DATE ISSUED: 04/11/2017

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES
OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

BARGE: HFL 3016
JEFFBOAT 16-2310

PORT SLOP
ULLAGE TABLE
8" HATCH

CAPACITIES GIVEN IN GALLONS

REFERENCE GAUGE HEIGHT: 6'-01 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.	IN	10 FT.	IN	11 FT.
0		0		0	5,002	0	3,796	0	2,589	0	1,383	0	176	0		0		0		0		0	
1/4		1/4		1/4	4,977	1/4	3,770	1/4	2,564	1/4	1,357	1/4	151	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,952	1/2	3,745	1/2	2,539	1/2	1,332	1/2	126	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,927	3/4	3,720	3/4	2,514	3/4	1,307	3/4	101	3/4		3/4		3/4		3/4		3/4	
1		1		1	4,902	1	3,695	1	2,489	1	1,282	1	75	1		1		1		1		1	
1/4		1/4		1/4	4,876	1/4	3,670	1/4	2,463	1/4	1,257	1/4	50	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,851	1/2	3,645	1/2	2,438	1/2	1,232	1/2	25	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,826	3/4	3,620	3/4	2,413	3/4	1,207	3/4	0	3/4		3/4		3/4		3/4		3/4	
2		2		2	4,801	2	3,595	2	2,388	2	1,181	2		2		2		2		2		2	
1/4		1/4		1/4	4,776	1/4	3,569	1/4	2,363	1/4	1,156	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,751	1/2	3,544	1/2	2,338	1/2	1,131	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,726	3/4	3,519	3/4	2,313	3/4	1,106	3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3	4,701	3	3,494	3	2,287	3	1,081	3		3		3		3		3		3	
1/4		1/4		1/4	4,675	1/4	3,469	1/4	2,262	1/4	1,056	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,650	1/2	3,444	1/2	2,237	1/2	1,031	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,625	3/4	3,419	3/4	2,212	3/4	1,005	3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4	4,600	4	3,393	4	2,187	4	980	4		4		4		4		4		4	
1/4		1/4		1/4	4,575	1/4	3,368	1/4	2,162	1/4	955	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,550	1/2	3,343	1/2	2,137	1/2	930	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,525	3/4	3,318	3/4	2,111	3/4	905	3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5	4,499	5	3,293	5	2,086	5	880	5		5		5		5		5		5	
1/4		1/4		1/4	4,474	1/4	3,268	1/4	2,061	1/4	855	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,449	1/2	3,243	1/2	2,036	1/2	830	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,424	3/4	3,217	3/4	2,011	3/4	804	3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6	4,399	6	3,192	6	1,986	6	779	6		6		6		6		6		6	
1/4		1/4		1/4	4,374	1/4	3,167	1/4	1,961	1/4	754	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,349	1/2	3,142	1/2	1,936	1/2	729	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,323	3/4	3,117	3/4	1,910	3/4	704	3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7	4,298	7	3,092	7	1,885	7	679	7		7		7		7		7		7	
1/4		1/4	5,480	1/4	4,273	1/4	3,067	1/4	1,860	1/4	654	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2	5,455	1/2	4,248	1/2	3,042	1/2	1,835	1/2	628	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	5,429	3/4	4,223	3/4	3,016	3/4	1,810	3/4	603	3/4		3/4		3/4		3/4		3/4		3/4	
8		8	5,404	8	4,198	8	2,991	8	1,785	8	578	8		8		8		8		8		8	
1/4		1/4	5,379	1/4	4,173	1/4	2,966	1/4	1,760	1/4	553	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2	5,354	1/2	4,148	1/2	2,941	1/2	1,734	1/2	528	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	5,329	3/4	4,122	3/4	2,916	3/4	1,709	3/4	503	3/4		3/4		3/4		3/4		3/4		3/4	
9		9	5,304	9	4,097	9	2,891	9	1,684	9	478	9		9		9		9		9		9	
1/4		1/4	5,279	1/4	4,072	1/4	2,866	1/4	1,659	1/4	452	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2	5,254	1/2	4,047	1/2	2,840	1/2	1,634	1/2	427	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	5,228	3/4	4,022	3/4	2,815	3/4	1,609	3/4	402	3/4		3/4		3/4		3/4		3/4		3/4	
10		10	5,203	10	3,997	10	2,790	10	1,584	10	377	10		10		10		10		10		10	
1/4		1/4	5,178	1/4	3,972	1/4	2,765	1/4	1,558	1/4	352	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2	5,153	1/2	3,946	1/2	2,740	1/2	1,533	1/2	327	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	5,128	3/4	3,921	3/4	2,715	3/4	1,508	3/4	302	3/4		3/4		3/4		3/4		3/4		3/4	
11		11	5,103	11	3,896	11	2,690	11	1,483	11	277	11		11		11		11		11		11	
1/4		1/4	5,078	1/4	3,871	1/4	2,664	1/4	1,458	1/4	251	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2	5,052	1/2	3,846	1/2	2,639	1/2	1,433	1/2	226	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	5,027	3/4	3,821	3/4	2,614	3/4	1,408	3/4	201	3/4		3/4		3/4		3/4		3/4		3/4	

NOTE: GAUGE POINT: TO TOP LIP OF 8" HATCH.
NOTE: GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK
NOTE: FOR GREATER ACCURACY, BARGE SHOULD BE UPRIGHT AND ON EVEN KEEL
NOTE: MEASURED AND COMPUTED IN ACCORDANCE WITH API MPMS 2.7

DATE STRAPPED: 03/02/2017 BY: JM
DATE COMPUTED: 04/11/2017 BY: CL
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BARGE: HFL 3016

JEFFBOAT 16-2310

3 STBD

ULLAGE TABLE

MMC

CAPACITIES GIVEN IN WHOLE GALLONS

FOR MANUAL GAUGING AT 2" BALL VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

REFERENCE GAUGE HEIGHT: 15'-11 1/4"

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.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.
0		0	194,034	0	183,421	0	172,808	0	162,194	0	151,580	0	136,756	0	121,442	0	106,129	0	90,817	0	75,509	0	60,232	0	44,933	0	29,668	0	14,357	0	
1/4		1/4	193,813	1/4	183,200	1/4	172,586	1/4	161,973	1/4	151,359	1/4	136,437	1/4	121,123	1/4	105,810	1/4	90,498	1/4	75,191	1/4	59,914	1/4	44,616	1/4	29,349	1/4	14,038	1/4	
1/2		1/2	193,592	1/2	182,979	1/2	172,365	1/2	161,752	1/2	151,138	1/2	136,118	1/2	120,804	1/2	105,491	1/2	90,179	1/2	74,872	1/2	59,596	1/2	44,298	1/2	29,030	1/2	13,719	1/2	
3/4		3/4	193,371	3/4	182,758	3/4	172,144	3/4	161,531	3/4	150,917	3/4	135,799	3/4	120,485	3/4	105,172	3/4	89,860	3/4	74,553	3/4	59,277	3/4	43,980	3/4	28,711	3/4	13,400	3/4	
1		1	193,150	1	182,537	1	171,923	1	161,309	1	150,696	1	135,480	1	120,166	1	104,853	1	89,541	1	74,235	1	58,959	1	43,662	1	28,392	1	13,081	1	
1/4		1/4	192,929	1/4	182,315	1/4	171,702	1/4	161,088	1/4	150,475	1/4	135,161	1/4	119,847	1/4	104,534	1/4	89,222	1/4	73,916	1/4	58,641	1/4	43,344	1/4	28,073	1/4	12,762	1/4	
1/2		1/2	192,708	1/2	182,094	1/2	171,481	1/2	160,867	1/2	150,156	1/2	134,842	1/2	119,528	1/2	104,215	1/2	88,903	1/2	73,597	1/2	58,323	1/2	43,026	1/2	27,754	1/2	12,443	1/2	
3/4		3/4	192,487	3/4	181,873	3/4	171,260	3/4	160,646	3/4	149,837	3/4	134,523	3/4	119,209	3/4	103,896	3/4	88,584	3/4	73,279	3/4	58,004	3/4	42,708	3/4	27,435	3/4	12,124	3/4	
2		2	192,266	2	181,652	2	171,039	2	160,425	2	149,518	2	134,204	2	118,890	2	103,577	2	88,265	2	72,960	2	57,686	2	42,390	2	27,117	2	11,805	2	
1/4		1/4	192,045	1/4	181,431	1/4	170,817	1/4	160,204	1/4	149,199	1/4	133,885	1/4	118,571	1/4	103,258	1/4	87,946	1/4	72,641	1/4	57,367	1/4	42,072	1/4	26,798	1/4	11,486	1/4	
1/2		1/2	191,823	1/2	181,210	1/2	170,596	1/2	159,983	1/2	148,880	1/2	133,566	1/2	118,252	1/2	102,939	1/2	87,627	1/2	72,323	1/2	57,048	1/2	41,755	1/2	26,479	1/2	11,167	1/2	
3/4		3/4	191,602	3/4	180,989	3/4	170,375	3/4	159,762	3/4	148,561	3/4	133,247	3/4	117,933	3/4	102,620	3/4	87,308	3/4	72,004	3/4	56,729	3/4	41,437	3/4	26,160	3/4	10,847	3/4	
3		3	191,381	3	180,768	3	170,154	3	159,541	3	148,242	3	132,928	3	117,614	3	102,301	3	86,989	3	71,686	3	56,410	3	41,119	3	25,841	3	10,528	3	
1/4		1/4	191,160	1/4	180,547	1/4	169,933	1/4	159,319	1/4	147,923	1/4	132,609	1/4	117,295	1/4	101,982	1/4	86,670	1/4	71,367	1/4	56,091	1/4	40,801	1/4	25,522	1/4	10,209	1/4	
1/2		1/2	190,939	1/2	180,325	1/2	169,712	1/2	159,098	1/2	147,603	1/2	132,290	1/2	116,976	1/2	101,663	1/2	86,351	1/2	71,048	1/2	55,772	1/2	40,483	1/2	25,203	1/2	9,890	1/2	
3/4		3/4	190,718	3/4	180,104	3/4	169,491	3/4	158,877	3/4	147,284	3/4	131,971	3/4	116,657	3/4	101,344	3/4	86,032	3/4	70,730	3/4	55,453	3/4	40,165	3/4	24,884	3/4	9,571	3/4	
4		4	190,497	4	179,883	4	169,270	4	158,656	4	146,965	4	131,652	4	116,338	4	101,025	4	85,713	4	70,411	4	55,134	4	39,847	4	24,565	4	9,252	4	
1/4		1/4	190,276	1/4	179,662	1/4	169,049	1/4	158,435	1/4	146,646	1/4	131,333	1/4	116,019	1/4	100,706	1/4	85,394	1/4	70,092	1/4	54,815	1/4	39,529	1/4	24,246	1/4	8,933	1/4	
1/2		1/2	190,055	1/2	179,441	1/2	168,827	1/2	158,214	1/2	146,327	1/2	131,014	1/2	115,700	1/2	100,387	1/2	85,075	1/2	69,774	1/2	54,496	1/2	39,211	1/2	23,927	1/2	8,615	1/2	
3/4		3/4	189,833	3/4	179,220	3/4	168,606	3/4	157,993	3/4	146,008	3/4	130,695	3/4	115,381	3/4	100,068	3/4	84,756	3/4	69,456	3/4	54,177	3/4	38,894	3/4	23,609	3/4	8,296	3/4	
5		5	189,612	5	178,999	5	168,385	5	157,772	5	145,689	5	130,376	5	115,062	5	99,749	5	84,437	5	69,138	5	53,858	5	38,576	5	23,290	5	7,977	5	
1/4		1/4	189,391	1/4	178,778	1/4	168,164	1/4	157,551	1/4	145,370	1/4	130,056	1/4	114,743	1/4	99,430	1/4	84,119	1/4	68,820	1/4	53,539	1/4	38,258	1/4	22,971	1/4	7,658	1/4	
1/2		1/2	189,170	1/2	178,557	1/2	167,943	1/2	157,329	1/2	145,051	1/2	129,737	1/2	114,424	1/2	99,111	1/2	83,800	1/2	68,502	1/2	53,220	1/2	37,940	1/2	22,652	1/2	7,340	1/2	
3/4		3/4	188,949	3/4	178,335	3/4	167,722	3/4	157,108	3/4	144,732	3/4	129,418	3/4	114,105	3/4	98,792	3/4	83,481	3/4	68,184	3/4	52,901	3/4	37,622	3/4	22,333	3/4	7,021	3/4	
6		6	188,728	6	178,114	6	167,501	6	156,887	6	144,413	6	129,099	6	113,786	6	98,473	6	83,162	6	67,866	6	52,582	6	37,304	6	22,014	6	6,703	6	
1/4		1/4	188,507	1/4	177,893	1/4	167,280	1/4	156,666	1/4	144,094	1/4	128,780	1/4	113,467	1/4	98,154	1/4	82,843	1/4	67,548	1/4	52,263	1/4	36,986	1/4	21,695	1/4	6,384	1/4	
1/2		1/2	188,286	1/2	177,672	1/2	167,058	1/2	156,445	1/2	143,775	1/2	128,461	1/2	113,148	1/2	97,835	1/2	82,524	1/2	67,230	1/2	51,944	1/2	36,668	1/2	21,376	1/2	6,066	1/2	
3/4		3/4	188,064	3/4	177,451	3/4	166,837	3/4	156,224	3/4	143,456	3/4	128,142	3/4	112,829	3/4	97,516	3/4	82,205	3/4	66,912	3/4	51,625	3/4	36,350	3/4	21,057	3/4	5,749	3/4	
7		7	187,843	7	177,230	7	166,616	7	156,003	7	143,137	7	127,823	7	112,509	7	97,197	7	81,886	7	66,594	7	51,306	7	36,033	7	20,738	7	5,431	7	
1/4	197,269	1/4	187,622	1/4	177,009	1/4	166,395	1/4	155,782	1/4	142,818	1/4	127,504	1/4	112,190	1/4	96,878	1/4	81,567	1/4	66,276	1/4	50,987	1/4	35,715	1/4	20,419	1/4	5,113	1/4	
1/2	197,181	1/2	187,401	1/2	176,788	1/2	166,174	1/2	155,560	1/2	142,499	1/2	127,185	1/2	111,871	1/2	96,559	1/2	81,248	1/2	65,958	1/2	50,668	1/2	35,397	1/2	20,100	1/2	4,796	1/2	
3/4	197,093	3/4	187,180	3/4	176,566	3/4	165,953	3/4	155,339	3/4	142,180	3/4	126,866	3/4	111,552	3/4	96,240	3/4	80,929	3/4	65,640	3/4	50,349	3/4	35,079	3/4	19,780	3/4	4,478	3/4	
8	197,005	8	186,959	8	176,345	8	165,732	8	155,118	8	141,861	8	126,547	8	111,233	8	95,921	8	80,610	8	65,322	8	50,030	8	34,761	8	19,461	8	4,161	8	
1/4	196,917	1/4	186,738	1/4	176,124	1/4	165,511	1/4	154,897	1/4	141,542	1/4	126,228	1/4	110,914	1/4	95,602	1/4	80,291	1/4	65,004	1/4	49,711	1/4	34,443	1/4	19,142	1/4	3,844	1/4	
1/2	196,776	1/2	186,517	1/2	175,903	1/2	165,290	1/2	154,676	1/2	141,223	1/2	125,909	1/2	110,595	1/2	95,283	1/2	79,972	1/2	64,686	1/2	49,392	1/2	34,125	1/2	18,823	1/2	3,528	1/2	
3/4	196,635	3/4	186,296	3/4	175,682	3/4	165,068	3/4	154,455	3/4	140,904	3/4	125,590	3/4	110,276	3/4	94,964	3/4	79,653	3/4	64,368	3/4	49,073	3/4	33,807	3/4	18,504	3/4	3,213	3/4	
9	196,493	9	186,074	9	175,461	9	164,847	9	154,234	9	140,585	9	125,271	9	109,957	9	94,645	9	79,334	9	64,050	9	48,754	9	33,489	9	18,185	9	2,897	9	
1/4	196,352	1/4	185,853	1/4	175,240	1/4	164,626	1/4	154,013	1/4	140,266	1/4	124,952	1/4	109,638	1/4	94,326	1/4	79,015	1/4	63,733	1/4	48,435	1/4	33,172	1/4	17,866	1/4	2,582	1/4	
1/2	196,158	1/2	185,632	1/2	175,019	1/2	164,405	1/2	153,792	1/2	139,947	1/2	124,633	1/2	109,319	1/2	94,007	1/2	78,696	1/2	63,414	1/2	48,116	1/2	32,854	1/2	17,547	1/2	2,302	1/2	
3/4	195,963	3/4	185,411	3/4	174,798	3/4	164,184	3/4	153,570	3/4	139,628	3/4	124,314	3/4	109,000	3/4	93,688	3/4	78,377	3/4	63,096	3/4	47,797	3/4	32,536	3/4	17,228	3/4	2,023	3/4	
10	195,769	10	185,190	10	174,576	10	163,963	10	153,349	10	139,309	10	123,995	10	108,681	10	93,369	10	78,059	10	62,778	10	47,478	10	32,218	10	16,909	10	1,744	10	
1/4	195,574	1/4	184,969	1/4	174,355	1/4	163,742	1/4	153,128	1/4	138,990	1/4	123,676	1/4	108,362	1/4	93,050	1/4	77,740	1/4	62,460	1/4	47,159	1/4	31,900	1/4	16,590	1/4	1,464	1/4	
1/2	195,355	1/2	184,748	1/2	174,134	1/2	163,521	1/2	152,907	1/2	138,670	1/2	123,357	1/2	108,043	1/2	92,731	1/2	77,421	1/2	62,142	1/2	46,841	1/2	31,581	1/2	16,271	1/2	1,265	1/2	
3/4	195,135	3/4	184,527	3/4	173,913	3/4	163,300	3/4	152,686	3/4	138,351	3/4	123,038	3/4	107,724	3/4	92,412	3/4	77,103	3/4	61,823	3/4	46,523	3/4	31,262	3/4	15,952	3/4	1,065	3/4	
11	194,916	11	184,306	11	173,692	11	163,078	11	152,465	11	138,032	11	122,719	11	107,405	11	92,093	11	76,784	11	61,505	11	46,205	11	30,943	11	15,633	11	865	11	
1/4	194,696	1/4	184,084	1/4	173,471	1/4	162,857	1/4	152,244	1/4	137,713	1/4	122,400	1/4	107,086	1/4	91,774	1/4	76,465	1/4	61,187	1/4	45,887	1/4	30,624	1/4	15,314	1/4	665	1/4	
1/2	194,475	1/2	183,863	1/2	173,250	1/2	162,636	1/2	152,023	1/2	137,394	1/2	122,081	1/2	106,767	1/2	91,455	1/2	76,147	1/2	60,869	1/2	45,569	1/2	30,306	1/2	14,995	1/2		1/2	
3/4	194,255	3/4	183,642	3/4	173,029	3/4	162,415	3/4	151,802	3/4	137,075	3/4	121,762	3/4	106,448	3/4	91,136	3/4	75,828	3/4	60,550	3/4	45,251	3/4	29,987	3/4	14,676	3/4		3/4	

NOTE: GAUGE POINT: TO TOP LIP OF BALL VALVE, ON 18" DECK PIPE.
NOTE: GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK
NOTE: FOR GREATER ACCURACY, BARGE SHOULD BE UPRIGHT AND ON EVEN KEEL
NOTE: MEASURED AND COMPUTED IN ACCORDANCE WITH API MPMS 2.7

DATE STRAPPED: 03/02/2017 BY: JM
DATE COMPUTED: 04/11/2017 BY: CL
DATE ISSUED: 04/11/2017

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

BARGE: HFL 3016

JEFFBOAT 16-2310

3 PORT

ULLAGE TABLE

MMC

CAPACITIES GIVEN IN WHOLE GALLONS

FOR MANUAL GAUGING AT 2" BALL VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

REFERENCE GAUGE HEIGHT: 15'-11 3/8"

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.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.
0		0	194,784	0	184,154	0	173,523	0	162,893	0	152,262	0	137,442	0	122,080	0	106,719	0	91,357	0	75,995	0	60,633	0	45,271	0	29,913	0	14,554	0	
1/4		1/4	194,563	1/4	183,933	1/4	173,302	1/4	162,671	1/4	152,041	1/4	137,122	1/4	121,760	1/4	106,398	1/4	91,037	1/4	75,675	1/4	60,313	1/4	44,951	1/4	29,593	1/4	14,234	1/4	
1/2		1/2	194,342	1/2	183,711	1/2	173,080	1/2	162,450	1/2	151,819	1/2	136,802	1/2	121,440	1/2	106,078	1/2	90,717	1/2	75,355	1/2	59,993	1/2	44,631	1/2	29,273	1/2	13,914	1/2	
3/4		3/4	194,120	3/4	183,490	3/4	172,859	3/4	162,228	3/4	151,598	3/4	136,482	3/4	121,120	3/4	105,758	3/4	90,397	3/4	75,035	3/4	59,673	3/4	44,311	3/4	28,953	3/4	13,594	3/4	
1		1	193,899	1	183,268	1	172,637	1	162,007	1	151,376	1	136,162	1	120,800	1	105,438	1	90,076	1	74,715	1	59,353	1	43,991	1	28,633	1	13,274	1	
1/4		1/4	193,677	1/4	183,047	1/4	172,416	1/4	161,785	1/4	151,155	1/4	135,842	1/4	120,480	1/4	105,118	1/4	89,756	1/4	74,395	1/4	59,033	1/4	43,671	1/4	28,313	1/4	12,954	1/4	
1/2		1/2	193,456	1/2	182,825	1/2	172,195	1/2	161,564	1/2	150,884	1/2	135,522	1/2	120,160	1/2	104,798	1/2	89,436	1/2	74,075	1/2	58,713	1/2	43,351	1/2	27,993	1/2	12,634	1/2	
3/4		3/4	193,234	3/4	182,604	3/4	171,973	3/4	161,342	3/4	150,564	3/4	135,202	3/4	119,840	3/4	104,478	3/4	89,116	3/4	73,754	3/4	58,393	3/4	43,031	3/4	27,673	3/4	12,314	3/4	
2		2	193,013	2	182,382	2	171,752	2	161,121	2	150,244	2	134,882	2	119,520	2	104,158	2	88,796	2	73,434	2	58,073	2	42,711	2	27,353	2	11,994	2	
1/4		1/4	192,791	1/4	182,161	1/4	171,530	1/4	160,899	1/4	149,924	1/4	134,562	1/4	119,200	1/4	103,838	1/4	88,476	1/4	73,114	1/4	57,753	1/4	42,391	1/4	27,033	1/4	11,674	1/4	
1/2		1/2	192,570	1/2	181,939	1/2	171,309	1/2	160,678	1/2	149,604	1/2	134,242	1/2	118,880	1/2	103,518	1/2	88,156	1/2	72,794	1/2	57,432	1/2	42,071	1/2	26,714	1/2	11,354	1/2	
3/4		3/4	192,348	3/4	181,718	3/4	171,087	3/4	160,457	3/4	149,284	3/4	133,922	3/4	118,560	3/4	103,198	3/4	87,836	3/4	72,474	3/4	57,112	3/4	41,751	3/4	26,394	3/4	11,034	3/4	
3		3	192,127	3	181,496	3	170,866	3	160,235	3	148,964	3	133,602	3	118,240	3	102,878	3	87,516	3	72,154	3	56,792	3	41,431	3	26,074	3	10,714	3	
1/4		1/4	191,905	1/4	181,275	1/4	170,644	1/4	160,014	1/4	148,644	1/4	133,282	1/4	117,920	1/4	102,558	1/4	87,196	1/4	71,834	1/4	56,472	1/4	41,111	1/4	25,754	1/4	10,394	1/4	
1/2		1/2	191,684	1/2	181,053	1/2	170,423	1/2	159,792	1/2	148,324	1/2	132,962	1/2	117,600	1/2	102,238	1/2	86,876	1/2	71,514	1/2	56,152	1/2	40,791	1/2	25,434	1/2	10,074	1/2	
3/4		3/4	191,463	3/4	180,832	3/4	170,201	3/4	159,571	3/4	148,004	3/4	132,642	3/4	117,280	3/4	101,918	3/4	86,556	3/4	71,194	3/4	55,832	3/4	40,471	3/4	25,114	3/4	9,754	3/4	
4		4	191,241	4	180,610	4	169,980	4	159,349	4	147,684	4	132,322	4	116,960	4	101,598	4	86,236	4	70,874	4	55,512	4	40,151	4	24,794	4	9,434	4	
1/4		1/4	191,020	1/4	180,389	1/4	169,758	1/4	159,128	1/4	147,363	1/4	132,002	1/4	116,640	1/4	101,278	1/4	85,916	1/4	70,554	1/4	55,192	1/4	39,831	1/4	24,474	1/4	9,114	1/4	
1/2		1/2	190,798	1/2	180,167	1/2	169,537	1/2	158,906	1/2	147,043	1/2	131,682	1/2	116,320	1/2	100,958	1/2	85,596	1/2	70,234	1/2	54,872	1/2	39,511	1/2	24,154	1/2	8,794	1/2	
3/4		3/4	190,577	3/4	179,946	3/4	169,315	3/4	158,685	3/4	146,723	3/4	131,362	3/4	116,000	3/4	100,638	3/4	85,276	3/4	69,914	3/4	54,552	3/4	39,192	3/4	23,834	3/4	8,474	3/4	
5		5	190,355	5	179,725	5	169,094	5	158,463	5	146,403	5	131,041	5	115,680	5	100,318	5	84,956	5	69,594	5	54,232	5	38,872	5	23,515	5	8,154	5	
1/4		1/4	190,134	1/4	179,503	1/4	168,872	1/4	158,242	1/4	146,083	1/4	130,721	1/4	115,360	1/4	99,998	1/4	84,636	1/4	69,274	1/4	53,912	1/4	38,552	1/4	23,195	1/4	7,834	1/4	
1/2		1/2	189,912	1/2	179,282	1/2	168,651	1/2	158,020	1/2	145,763	1/2	130,401	1/2	115,040	1/2	99,678	1/2	84,316	1/2	68,954	1/2	53,592	1/2	38,232	1/2	22,875	1/2	7,515	1/2	
3/4		3/4	189,691	3/4	179,060	3/4	168,429	3/4	157,799	3/4	145,443	3/4	130,081	3/4	114,720	3/4	99,358	3/4	83,996	3/4	68,634	3/4	53,272	3/4	37,912	3/4	22,555	3/4	7,195	3/4	
6		6	189,469	6	178,839	6	168,208	6	157,577	6	145,123	6	129,761	6	114,399	6	99,038	6	83,676	6	68,314	6	52,952	6	37,592	6	22,235	6	6,876	6	
1/4		1/4	189,248	1/4	178,617	1/4	167,987	1/4	157,356	1/4	144,803	1/4	129,441	1/4	114,079	1/4	98,718	1/4	83,356	1/4	67,994	1/4	52,632	1/4	37,272	1/4	21,915	1/4	6,556	1/4	
1/2		1/2	189,026	1/2	178,396	1/2	167,765	1/2	157,134	1/2	144,483	1/2	129,121	1/2	113,759	1/2	98,398	1/2	83,036	1/2	67,674	1/2	52,312	1/2	36,952	1/2	21,595	1/2	6,237	1/2	
3/4		3/4	188,805	3/4	178,174	3/4	167,544	3/4	156,913	3/4	144,163	3/4	128,801	3/4	113,439	3/4	98,077	3/4	82,716	3/4	67,354	3/4	51,992	3/4	36,632	3/4	21,275	3/4	5,918	3/4	
7		7	188,583	7	177,953	7	167,322	7	156,691	7	143,843	7	128,481	7	113,119	7	97,757	7	82,396	7	67,034	7	51,672	7	36,312	7	20,955	7	5,599	7	
3/8	197,913	1/4	188,362	1/4	177,731	1/4	167,101	1/4	156,470	1/4	143,523	1/4	128,161	1/4	112,799	1/4	97,437	1/4	82,076	1/4	66,714	1/4	51,352	1/4	35,992	1/4	20,635	1/4	5,281	1/4	
1/2	197,869	1/2	188,140	1/2	177,510	1/2	166,879	1/2	156,249	1/2	143,203	1/2	127,841	1/2	112,479	1/2	97,117	1/2	81,755	1/2	66,394	1/2	51,032	1/2	35,672	1/2	20,315	1/2	4,962	1/2	
3/4	197,781	3/4	187,919	3/4	177,288	3/4	166,658	3/4	156,027	3/4	142,883	3/4	127,521	3/4	112,159	3/4	96,797	3/4	81,435	3/4	66,074	3/4	50,712	3/4	35,352	3/4	19,995	3/4	4,644	3/4	
8	197,693	8	187,698	8	177,067	8	166,436	8	155,806	8	142,563	8	127,201	8	111,839	8	96,477	8	81,115	8	65,754	8	50,392	8	35,032	8	19,675	8	4,327	8	
1/4	197,605	1/4	187,476	1/4	176,845	1/4	166,215	1/4	155,584	1/4	142,243	1/4	126,881	1/4	111,519	1/4	96,157	1/4	80,795	1/4	65,433	1/4	50,072	1/4	34,712	1/4	19,355	1/4	4,009	1/4	
1/2	197,490	1/2	187,255	1/2	176,624	1/2	165,993	1/2	155,363	1/2	141,923	1/2	126,561	1/2	111,199	1/2	95,837	1/2	80,475	1/2	65,113	1/2	49,752	1/2	34,392	1/2	19,035	1/2	3,692	1/2	
3/4	197,349	3/4	187,033	3/4	176,402	3/4	165,772	3/4	155,141	3/4	141,603	3/4	126,241	3/4	110,879	3/4	95,517	3/4	80,155	3/4	64,793	3/4	49,432	3/4	34,072	3/4	18,715	3/4	3,376	3/4	
9	197,207	9	186,812	9	176,181	9	165,550	9	154,920	9	141,283	9	125,921	9	110,559	9	95,197	9	79,835	9	64,473	9	49,112	9	33,752	9	18,395	9	3,060	9	
1/4	197,066	1/4	186,590	1/4	175,960	1/4	165,329	1/4	154,698	1/4	140,963	1/4	125,601	1/4	110,239	1/4	94,877	1/4	79,515	1/4	64,153	1/4	48,791	1/4	33,432	1/4	18,075	1/4	2,744	1/4	
1/2	196,898	1/2	186,369	1/2	175,738	1/2	165,107	1/2	154,477	1/2	140,643	1/2	125,281	1/2	109,919	1/2	94,557	1/2	79,195	1/2	63,833	1/2	48,471	1/2	33,112	1/2	17,755	1/2	2,446	1/2	
3/4	196,703	3/4	186,147	3/4	175,517	3/4	164,886	3/4	154,255	3/4	140,323	3/4	124,961	3/4	109,599	3/4	94,237	3/4	78,875	3/4	63,513	3/4	48,151	3/4	32,792	3/4	17,435	3/4	2,166	3/4	
10	196,508	10	185,926	10	175,295	10	164,664	10	154,034	10	140,003	10	124,641	10	109,279	10	93,917	10	78,555	10	63,193	10	47,831	10	32,472	10	17,115	10	1,886	10	
1/4	196,314	1/4	185,704	1/4	175,074	1/4	164,443	1/4	153,812	1/4	139,683	1/4	124,321	1/4	108,959	1/4	93,597	1/4	78,235	1/4	62,873	1/4	47,511	1/4	32,152	1/4	16,794	1/4	1,607	1/4	
1/2	196,106	1/2	185,483	1/2	174,852	1/2	164,222	1/2	153,591	1/2	139,363	1/2	124,001	1/2	108,639	1/2	93,277	1/2	77,915	1/2	62,553	1/2	47,191	1/2	31,832	1/2	16,474	1/2	1,367	1/2	
3/4	195,886	3/4	185,261	3/4	174,631	3/4	164,000	3/4	153,369	3/4	139,042	3/4	123,681	3/4	108,319	3/4	92,957	3/4	77,595	3/4	62,233	3/4	46,871	3/4	31,512	3/4	16,154	3/4	1,167	3/4	
11	195,666	11	185,040	11	174,409	11	163,779	11	153,148	11	138,722	11	123,361	11	107,999	11	92,637	11	77,275	11	61,913	11	46,551	11	31,192	11	15,834	11	967	11	
1/4	195,446	1/4	184,818	1/4	174,188	1/4	163,557	1/4	152,926	1/4	138,402	1/4	123,041	1/4	107,679	1/4	92,317	1/4	76,955	1/4	61,593	1/4	46,231	1/4	30,872	1/4	15,514	1/4	767	1/4	
1/2	195,226	1/2	184,597	1/2	173,966	1/2	163,336	1/2	152,705	1/2	138,082	1/2	122,720	1/2	107,359	1/2	91,997	1/2	76,635	1/2	61,273	1/2	45,911	1/2	30,552	1/2	15,194	3/8	667	1/2	
3/4	195,005	3/4	184,375	3/4	173,745	3/4	163,114	3/4	152,484	3/4	137,762	3/4	122,400	3/4	107,039	3/4	91,677	3/4	76,315	3/4	60,953	3/4	45,591	3/4	30,232	3/4	14,874	3/4		3/4	

NOTE: GAUGE POINT: TO TOP LIP OF BALL VALVE, ON 18" DECK PIPE.
NOTE: GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK
NOTE: FOR GREATER ACCURACY, BARGE SHOULD BE UPRIGHT AND ON EVEN KEEL
NOTE: MEASURED AND COMPUTED IN ACCORDANCE WITH API MPMS 2.7

DATE STRAPPED: 03/02/2017 BY: JM
DATE COMPUTED: 04/11/2017 BY: CL
DATE ISSUED: 04/11/2017

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

BARGE: HFL 3016

JEFFBOAT 16-2310

2 STBD

ULLAGE TABLE

MMC

CAPACITIES GIVEN IN WHOLE GALLONS

FOR MANUAL GAUGING AT 2" BALL VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

REFERENCE GAUGE HEIGHT: 15'-11 1/2"

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.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.
0		0	213,898	0	198,572	0	183,244	0	167,917	0	152,590	0	137,263	0	121,935	0	106,608	0	91,281	0	75,954	0	60,629	0	45,314	0	30,008	0	14,681	0	
1/4		1/4	213,579	1/4	198,252	1/4	182,925	1/4	167,598	1/4	152,271	1/4	136,943	1/4	121,616	1/4	106,289	1/4	90,961	1/4	75,634	1/4	60,310	1/4	44,995	1/4	29,689	1/4	14,362	1/4	
1/2		1/2	213,260	1/2	197,933	1/2	182,606	1/2	167,278	1/2	151,951	1/2	136,624	1/2	121,297	1/2	105,969	1/2	90,642	1/2	75,315	1/2	59,991	1/2	44,677	1/2	29,370	1/2	14,042	1/2	
3/4		3/4	212,941	3/4	197,614	3/4	182,286	3/4	166,959	3/4	151,632	3/4	136,305	3/4	120,977	3/4	105,650	3/4	90,323	3/4	74,996	3/4	59,672	3/4	44,358	3/4	29,050	3/4	13,723	3/4	
1		1	212,621	1	197,294	1	181,967	1	166,640	1	151,313	1	135,985	1	120,658	1	105,331	1	90,004	1	74,676	1	59,353	1	44,040	1	28,731	1	13,404	1	
1/4		1/4	212,302	1/4	196,975	1/4	181,648	1/4	166,320	1/4	150,993	1/4	135,666	1/4	120,339	1/4	105,011	1/4	89,684	1/4	74,357	1/4	59,033	1/4	43,721	1/4	28,412	1/4	13,084	1/4	
1/2		1/2	211,983	1/2	196,656	1/2	181,328	1/2	166,001	1/2	150,674	1/2	135,347	1/2	120,019	1/2	104,692	1/2	89,365	1/2	74,038	1/2	58,714	1/2	43,402	1/2	28,092	1/2	12,765	1/2	
3/4		3/4	211,664	3/4	196,336	3/4	181,009	3/4	165,682	3/4	150,355	3/4	135,027	3/4	119,700	3/4	104,373	3/4	89,046	3/4	73,719	3/4	58,395	3/4	43,084	3/4	27,773	3/4	12,446	3/4	
2		2	211,344	2	196,017	2	180,690	2	165,363	2	150,035	2	134,708	2	119,381	2	104,054	2	88,726	2	73,399	2	58,076	2	42,765	2	27,454	2	12,127	2	
1/4		1/4	211,025	1/4	195,698	1/4	180,370	1/4	165,043	1/4	149,716	1/4	134,389	1/4	119,061	1/4	103,734	1/4	88,407	1/4	73,080	1/4	57,756	1/4	42,446	1/4	27,134	1/4	11,807	1/4	
1/2		1/2	210,706	1/2	195,378	1/2	180,051	1/2	164,724	1/2	149,397	1/2	134,069	1/2	118,742	1/2	103,415	1/2	88,088	1/2	72,761	1/2	57,437	1/2	42,128	1/2	26,815	1/2	11,488	1/2	
3/4		3/4	210,386	3/4	195,059	3/4	179,732	3/4	164,405	3/4	149,077	3/4	133,750	3/4	118,423	3/4	103,096	3/4	87,768	3/4	72,441	3/4	57,118	3/4	41,809	3/4	26,496	3/4	11,169	3/4	
3		3	210,067	3	194,740	3	179,413	3	164,085	3	148,758	3	133,431	3	118,103	3	102,776	3	87,449	3	72,122	3	56,799	3	41,490	3	26,176	3	10,849	3	
1/4		1/4	209,748	1/4	194,420	1/4	179,093	1/4	163,766	1/4	148,439	1/4	133,111	1/4	117,784	1/4	102,457	1/4	87,130	1/4	71,803	1/4	56,479	1/4	41,172	1/4	25,857	1/4	10,530	1/4	
1/2		1/2	209,428	1/2	194,101	1/2	178,774	1/2	163,447	1/2	148,119	1/2	132,792	1/2	117,465	1/2	102,138	1/2	86,810	1/2	71,484	1/2	56,160	1/2	40,853	1/2	25,538	1/2	10,211	1/2	
3/4		3/4	209,109	3/4	193,782	3/4	178,455	3/4	163,127	3/4	147,800	3/4	132,473	3/4	117,146	3/4	101,818	3/4	86,491	3/4	71,164	3/4	55,841	3/4	40,535	3/4	25,219	3/4	9,891	3/4	
4		4	208,790	4	193,463	4	178,135	4	162,808	4	147,481	4	132,153	4	116,826	4	101,499	4	86,172	4	70,845	4	55,522	4	40,216	4	24,899	4	9,572	4	
1/4		1/4	208,470	1/4	193,143	1/4	177,816	1/4	162,489	1/4	147,161	1/4	131,834	1/4	116,507	1/4	101,180	1/4	85,852	1/4	70,526	1/4	55,203	1/4	39,897	1/4	24,580	1/4	9,253	1/4	
1/2		1/2	208,151	1/2	192,824	1/2	177,497	1/2	162,169	1/2	146,842	1/2	131,515	1/2	116,188	1/2	100,860	1/2	85,533	1/2	70,207	1/2	54,883	1/2	39,579	1/2	24,261	1/2	8,933	1/2	
3/4		3/4	207,832	3/4	192,505	3/4	177,177	3/4	161,850	3/4	146,523	3/4	131,196	3/4	115,868	3/4	100,541	3/4	85,214	3/4	69,887	3/4	54,564	3/4	39,260	3/4	23,941	3/4	8,614	3/4	
5		5	207,513	5	192,185	5	176,858	5	161,531	5	146,203	5	130,876	5	115,549	5	100,222	5	84,894	5	69,568	5	54,245	5	38,941	5	23,622	5	8,295	5	
1/4		1/4	207,193	1/4	191,866	1/4	176,539	1/4	161,211	1/4	145,884	1/4	130,557	1/4	115,230	1/4	99,902	1/4	84,575	1/4	69,249	1/4	53,926	1/4	38,623	1/4	23,303	1/4	7,976	1/4	
1/2		1/2	206,874	1/2	191,547	1/2	176,219	1/2	160,892	1/2	145,565	1/2	130,238	1/2	114,910	1/2	99,583	1/2	84,256	1/2	68,930	1/2	53,606	1/2	38,304	1/2	22,983	1/2	7,657	1/2	
3/4		3/4	206,555	3/4	191,227	3/4	175,900	3/4	160,573	3/4	145,246	3/4	129,918	3/4	114,591	3/4	99,264	3/4	83,936	3/4	68,610	3/4	53,287	3/4	37,985	3/4	22,664	3/4	7,338	3/4	
6		6	206,235	6	190,908	6	175,581	6	160,253	6	144,926	6	129,599	6	114,272	6	98,944	6	83,617	6	68,291	6	52,968	6	37,667	6	22,345	6	7,019	6	
1/4		1/4	205,916	1/4	190,589	1/4	175,261	1/4	159,934	1/4	144,607	1/4	129,280	1/4	113,952	1/4	98,625	1/4	83,298	1/4	67,972	1/4	52,649	1/4	37,348	1/4	22,025	1/4	6,701	1/4	
1/2		1/2	205,597	1/2	190,269	1/2	174,942	1/2	159,615	1/2	144,288	1/2	128,960	1/2	113,633	1/2	98,306	1/2	82,979	1/2	67,653	1/2	52,329	1/2	37,030	1/2	21,706	1/2	6,382	1/2	
3/4		3/4	205,277	3/4	189,950	3/4	174,623	3/4	159,296	3/4	143,968	3/4	128,641	3/4	113,314	3/4	97,986	3/4	82,659	3/4	67,333	3/4	52,010	3/4	36,711	3/4	21,387	3/4	6,064	3/4	
7		7	204,958	7	189,631	7	174,303	7	158,976	7	143,649	7	128,322	7	112,994	7	97,667	7	82,340	7	67,014	7	51,691	7	36,392	7	21,067	7	5,746	7	
1/4		1/4	204,639	1/4	189,311	1/4	173,984	1/4	158,657	1/4	143,330	1/4	128,002	1/4	112,675	1/4	97,348	1/4	82,021	1/4	66,695	1/4	51,372	1/4	36,073	1/4	20,748	1/4	5,428	1/4	
1/2	218,680	1/2	204,319	1/2	188,992	1/2	173,665	1/2	158,338	1/2	143,010	1/2	127,683	1/2	112,356	1/2	97,029	1/2	81,701	1/2	66,376	1/2	51,053	1/2	35,755	1/2	20,429	1/2	5,110	1/2	
3/4	218,494	3/4	204,000	3/4	188,673	3/4	173,345	3/4	158,018	3/4	142,691	3/4	127,364	3/4	112,036	3/4	96,709	3/4	81,382	3/4	66,056	3/4	50,734	3/4	35,436	3/4	20,109	3/4	4,793	3/4	
8	218,308	8	203,681	8	188,353	8	173,026	8	157,699	8	142,372	8	127,044	8	111,717	8	96,390	8	81,063	8	65,737	8	50,415	8	35,117	8	19,790	8	4,475	8	
1/4	218,122	1/4	203,361	1/4	188,034	1/4	172,707	1/4	157,380	1/4	142,052	1/4	126,725	1/4	111,398	1/4	96,071	1/4	80,743	1/4	65,418	1/4	50,096	1/4	34,797	1/4	19,471	1/4	4,158	1/4	
1/2	217,935	1/2	203,042	1/2	187,715	1/2	172,388	1/2	157,060	1/2	141,733	1/2	126,406	1/2	111,079	1/2	95,751	1/2	80,424	1/2	65,099	1/2	49,777	1/2	34,478	1/2	19,152	1/2	3,841	1/2	
3/4	217,696	3/4	202,723	3/4	187,395	3/4	172,068	3/4	156,741	3/4	141,414	3/4	126,086	3/4	110,759	3/4	95,432	3/4	80,105	3/4	64,780	3/4	49,458	3/4	34,159	3/4	18,832	3/4	3,526	3/4	
9	217,456	9	202,403	9	187,076	9	171,749	9	156,422	9	141,094	9	125,767	9	110,440	9	95,113	9	79,785	9	64,460	9	49,139	9	33,840	9	18,513	9	3,211	9	
1/4	217,217	1/4	202,084	1/4	186,757	1/4	171,430	1/4	156,102	1/4	140,775	1/4	125,448	1/4	110,121	1/4	94,793	1/4	79,466	1/4	64,141	1/4	48,820	1/4	33,521	1/4	18,194	1/4	2,895	1/4	
1/2	216,977	1/2	201,765	1/2	186,438	1/2	171,110	1/2	155,783	1/2	140,456	1/2	125,128	1/2	109,801	1/2	94,474	1/2	79,147	1/2	63,822	1/2	48,501	1/2	33,201	1/2	17,874	1/2	2,580	1/2	
3/4	216,685	3/4	201,445	3/4	186,118	3/4	170,791	3/4	155,464	3/4	140,136	3/4	124,809	3/4	109,482	3/4	94,155	3/4	78,827	3/4	63,503	3/4	48,182	3/4	32,882	3/4	17,555	3/4	2,301	3/4	
10	216,392	10	201,126	10	185,799	10	170,472	10	155,144	10	139,817	10	124,490	10	109,163	10	93,835	10	78,508	10	63,183	10	47,864	10	32,563	10	17,236	10	2,022	10	
1/4	216,099	1/4	200,807	1/4	185,480	1/4	170,152	1/4	154,825	1/4	139,498	1/4	124,171	1/4	108,843	1/4	93,516	1/4	78,189	1/4	62,864	1/4	47,545	1/4	32,244	1/4	16,916	1/4	1,742	1/4	
1/2	215,807	1/2	200,488	1/2	185,160	1/2	169,833	1/2	154,506	1/2	139,178	1/2	123,851	1/2	108,524	1/2	93,197	1/2	77,869	1/2	62,545	1/2	47,226	1/2	31,924	1/2	16,597	1/2	1,463	1/2	
3/4	215,489	3/4	200,168	3/4	184,841	3/4	169,514	3/4	154,186	3/4	138,859	3/4	123,532	3/4	108,205	3/4	92,877	3/4	77,550	3/4	62,226	3/4	46,907	3/4	31,605	3/4	16,278	3/4	1,264	3/4	
11	215,171	11	199,849	11	184,522	11	169,194	11	153,867	11	138,540	11	123,213	11	107,885	11	92,558	11	77,231	11	61,906	11	46,589	11	31,286	11	15,958	11	1,064	11	
1/4	214,853	1/4	199,530	1/4	184,202	1/4	168,875	1/4	153,548	1/4	138,221	1/4	122,893	1/4	107,566	1/4	92,239	1/4	76,911	1/4	61,587	1/4	46,270	1/4	30,966	1/4	15,639	1/4	865	1/4	
1/2	214,536	1/2	199,210	1/2	183,883	1/2	168,556	1/2	153,228	1/2	137,901	1/2	122,574	1/2	107,247	1/2	91,919	1/2	76,592	1/2	61,268	1/2	45,951	1/2	30,647	1/2	15,320	1/2	665	1/2	
3/4	214,217	3/4	198,891	3/4	183,564	3/4	168,236	3/4	152,909	3/4	137,582	3/4	122,255	3/4	106,927	3/4	91,600	3/4	76,273	3/4	60,949	3/4	45,633	3/4	30,328	3/4	15,000	3/4		3/4	

NOTE: GAUGE POINT: TO TOP LIP OF BALL VALVE, ON 18" DECK PIPE.
NOTE: GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK
NOTE: FOR GREATER ACCURACY, BARGE SHOULD BE UPRIGHT AND ON EVEN KEEL
NOTE: MEASURED AND COMPUTED IN ACCORDANCE WITH API MPMS 2.7

DATE STRAPPED: 03/02/2017 BY: JM
DATE COMPUTED: 04/11/2017 BY: CL
DATE ISSUED: 04/11/2017

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

BARGE: HFL 3016

JEFFBOAT 16-2310

2 PORT

ULLAGE TABLE

MMC

CAPACITIES GIVEN IN WHOLE GALLONS

FOR MANUAL GAUGING AT 2" BALL VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

REFERENCE GAUGE HEIGHT: 15'-11 3/4"

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.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.
0		0	214,654	0	199,299	0	183,943	0	168,586	0	153,230	0	137,873	0	122,517	0	107,160	0	91,804	0	76,448	0	61,091	0	45,737	0	30,385	0	15,029	0	
1/4		1/4	214,334	1/4	198,979	1/4	183,623	1/4	168,266	1/4	152,910	1/4	137,553	1/4	122,197	1/4	106,841	1/4	91,484	1/4	76,128	1/4	60,771	1/4	45,417	1/4	30,065	1/4	14,709	1/4	
1/2		1/2	214,015	1/2	198,659	1/2	183,303	1/2	167,946	1/2	152,590	1/2	137,233	1/2	121,877	1/2	106,521	1/2	91,164	1/2	75,808	1/2	60,452	1/2	45,097	1/2	29,745	1/2	14,389	1/2	
3/4		3/4	213,695	3/4	198,339	3/4	182,983	3/4	167,626	3/4	152,270	3/4	136,914	3/4	121,557	3/4	106,201	3/4	90,844	3/4	75,488	3/4	60,132	3/4	44,777	3/4	29,426	3/4	14,069	3/4	
1		1	213,375	1	198,019	1	182,663	1	167,306	1	151,950	1	136,594	1	121,237	1	105,881	1	90,524	1	75,168	1	59,812	1	44,458	1	29,106	1	13,749	1	
1/4		1/4	213,056	1/4	197,699	1/4	182,343	1/4	166,986	1/4	151,630	1/4	136,274	1/4	120,917	1/4	105,561	1/4	90,204	1/4	74,848	1/4	59,492	1/4	44,138	1/4	28,786	1/4	13,429	1/4	
1/2		1/2	212,736	1/2	197,379	1/2	182,023	1/2	166,667	1/2	151,310	1/2	135,954	1/2	120,597	1/2	105,241	1/2	89,885	1/2	74,528	1/2	59,172	1/2	43,818	1/2	28,466	1/2	13,109	1/2	
3/4		3/4	212,416	3/4	197,059	3/4	181,703	3/4	166,347	3/4	150,990	3/4	135,634	3/4	120,277	3/4	104,921	3/4	89,565	3/4	74,208	3/4	58,852	3/4	43,498	3/4	28,146	3/4	12,789	3/4	
2		2	212,096	2	196,740	2	181,383	2	166,027	2	150,670	2	135,314	2	119,957	2	104,601	2	89,245	2	73,888	2	58,532	2	43,179	2	27,826	2	12,469	2	
1/4		1/4	211,776	1/4	196,420	1/4	181,063	1/4	165,707	1/4	150,350	1/4	134,994	1/4	119,638	1/4	104,281	1/4	88,925	1/4	73,568	1/4	58,212	1/4	42,859	1/4	27,506	1/4	12,150	1/4	
1/2		1/2	211,456	1/2	196,100	1/2	180,743	1/2	165,387	1/2	150,030	1/2	134,674	1/2	119,318	1/2	103,961	1/2	88,605	1/2	73,248	1/2	57,892	1/2	42,539	1/2	27,186	1/2	11,830	1/2	
3/4		3/4	211,136	3/4	195,780	3/4	180,423	3/4	165,067	3/4	149,711	3/4	134,354	3/4	118,998	3/4	103,641	3/4	88,285	3/4	72,928	3/4	57,572	3/4	42,220	3/4	26,866	3/4	11,510	3/4	
3		3	210,816	3	195,460	3	180,103	3	164,747	3	149,391	3	134,034	3	118,678	3	103,321	3	87,965	3	72,609	3	57,252	3	41,900	3	26,546	3	11,190	3	
1/4		1/4	210,496	1/4	195,140	1/4	179,783	1/4	164,427	1/4	149,071	1/4	133,714	1/4	118,358	1/4	103,001	1/4	87,645	1/4	72,289	1/4	56,932	1/4	41,580	1/4	26,226	1/4	10,870	1/4	
1/2		1/2	210,176	1/2	194,820	1/2	179,464	1/2	164,107	1/2	148,751	1/2	133,394	1/2	118,038	1/2	102,682	1/2	87,325	1/2	71,969	1/2	56,613	1/2	41,260	1/2	25,906	1/2	10,550	1/2	
3/4		3/4	209,856	3/4	194,500	3/4	179,144	3/4	163,787	3/4	148,431	3/4	133,074	3/4	117,718	3/4	102,362	3/4	87,005	3/4	71,649	3/4	56,293	3/4	40,941	3/4	25,586	3/4	10,230	3/4	
4		4	209,537	4	194,180	4	178,824	4	163,467	4	148,111	4	132,754	4	117,398	4	102,042	4	86,685	4	71,329	4	55,973	4	40,621	4	25,267	4	9,910	4	
1/4		1/4	209,217	1/4	193,860	1/4	178,504	1/4	163,147	1/4	147,791	1/4	132,435	1/4	117,078	1/4	101,722	1/4	86,365	1/4	71,009	1/4	55,653	1/4	40,301	1/4	24,947	1/4	9,590	1/4	
1/2		1/2	208,897	1/2	193,540	1/2	178,184	1/2	162,827	1/2	147,471	1/2	132,115	1/2	116,758	1/2	101,402	1/2	86,045	1/2	70,689	1/2	55,333	1/2	39,981	1/2	24,627	1/2	9,270	1/2	
3/4		3/4	208,577	3/4	193,220	3/4	177,864	3/4	162,508	3/4	147,151	3/4	131,795	3/4	116,438	3/4	101,082	3/4	85,725	3/4	70,369	3/4	55,013	3/4	39,662	3/4	24,307	3/4	8,950	3/4	
5		5	208,257	5	192,900	5	177,544	5	162,188	5	146,831	5	131,475	5	116,118	5	100,762	5	85,406	5	70,049	5	54,693	5	39,342	5	23,987	5	8,631	5	
1/4		1/4	207,937	1/4	192,580	1/4	177,224	1/4	161,868	1/4	146,511	1/4	131,155	1/4	115,798	1/4	100,442	1/4	85,086	1/4	69,729	1/4	54,373	1/4	39,022	1/4	23,667	1/4	8,311	1/4	
1/2		1/2	207,617	1/2	192,261	1/2	176,904	1/2	161,548	1/2	146,191	1/2	130,835	1/2	115,479	1/2	100,122	1/2	84,766	1/2	69,409	1/2	54,053	1/2	38,702	1/2	23,347	1/2	7,991	1/2	
3/4		3/4	207,297	3/4	191,941	3/4	176,584	3/4	161,228	3/4	145,871	3/4	130,515	3/4	115,159	3/4	99,802	3/4	84,446	3/4	69,089	3/4	53,733	3/4	38,383	3/4	23,027	3/4	7,672	3/4	
6		6	206,977	6	191,621	6	176,264	6	160,908	6	145,551	6	130,195	6	114,839	6	99,482	6	84,126	6	68,769	6	53,413	6	38,063	6	22,707	6	7,352	6	
1/4		1/4	206,657	1/4	191,301	1/4	175,944	1/4	160,588	1/4	145,232	1/4	129,875	1/4	114,519	1/4	99,162	1/4	83,806	1/4	68,450	1/4	53,093	1/4	37,743	1/4	22,387	1/4	7,033	1/4	
1/2		1/2	206,337	1/2	190,981	1/2	175,624	1/2	160,268	1/2	144,912	1/2	129,555	1/2	114,199	1/2	98,842	1/2	83,486	1/2	68,130	1/2	52,774	1/2	37,423	1/2	22,067	1/2	6,714	1/2	
3/4		3/4	206,017	3/4	190,661	3/4	175,305	3/4	159,948	3/4	144,592	3/4	129,235	3/4	113,879	3/4	98,522	3/4	83,166	3/4	67,810	3/4	52,454	3/4	37,104	3/4	21,747	3/4	6,394	3/4	
7		7	205,697	7	190,341	7	174,985	7	159,628	7	144,272	7	128,915	7	113,559	7	98,203	7	82,846	7	67,490	7	52,134	7	36,784	7	21,427	7	6,075	7	
1/4		1/4	205,378	1/4	190,021	1/4	174,665	1/4	159,308	1/4	143,952	1/4	128,595	1/4	113,239	1/4	97,883	1/4	82,526	1/4	67,170	1/4	51,814	1/4	36,464	1/4	21,107	1/4	5,757	1/4	
1/2		1/2	205,058	1/2	189,701	1/2	174,345	1/2	158,988	1/2	143,632	1/2	128,276	1/2	112,919	1/2	97,563	1/2	82,206	1/2	66,850	1/2	51,494	1/2	36,144	1/2	20,788	1/2	5,438	1/2	
3/4	219,126	3/4	204,738	3/4	189,381	3/4	174,025	3/4	158,668	3/4	143,312	3/4	127,956	3/4	112,599	3/4	97,243	3/4	81,886	3/4	66,530	3/4	51,174	3/4	35,824	3/4	20,468	3/4	5,119	3/4	
8	218,939	8	204,418	8	189,061	8	173,705	8	158,349	8	142,992	8	127,636	8	112,279	8	96,923	8	81,566	8	66,210	8	50,854	8	35,504	8	20,148	8	4,802	8	
1/4	218,753	1/4	204,098	1/4	188,741	1/4	173,385	1/4	158,029	1/4	142,672	1/4	127,316	1/4	111,959	1/4	96,603	1/4	81,247	1/4	65,890	1/4	50,534	1/4	35,184	1/4	19,828	1/4	4,484	1/4	
1/2	218,566	1/2	203,778	1/2	188,421	1/2	173,065	1/2	157,709	1/2	142,352	1/2	126,996	1/2	111,639	1/2	96,283	1/2	80,927	1/2	65,570	1/2	50,214	1/2	34,864	1/2	19,508	1/2	4,166	1/2	
3/4	218,379	3/4	203,458	3/4	188,102	3/4	172,745	3/4	157,389	3/4	142,032	3/4	126,676	3/4	111,319	3/4	95,963	3/4	80,607	3/4	65,250	3/4	49,894	3/4	34,544	3/4	19,188	3/4	3,849	3/4	
9	218,140	9	203,138	9	187,782	9	172,425	9	157,069	9	141,712	9	126,356	9	111,000	9	95,643	9	80,287	9	64,930	9	49,574	9	34,224	9	18,868	9	3,533	9	
1/4	217,900	1/4	202,818	1/4	187,462	1/4	172,105	1/4	156,749	1/4	141,392	1/4	126,036	1/4	110,680	1/4	95,323	1/4	79,967	1/4	64,610	1/4	49,255	1/4	33,904	1/4	18,548	1/4	3,217	1/4	
1/2	217,660	1/2	202,498	1/2	187,142	1/2	171,785	1/2	156,429	1/2	141,073	1/2	125,716	1/2	110,360	1/2	95,003	1/2	79,647	1/2	64,291	1/2	48,935	1/2	33,585	1/2	18,228	1/2	2,901	1/2	
3/4	217,420	3/4	202,178	3/4	186,822	3/4	171,465	3/4	156,109	3/4	140,753	3/4	125,396	3/4	110,040	3/4	94,683	3/4	79,327	3/4	63,971	3/4	48,615	3/4	33,265	3/4	17,908	3/4	2,585	3/4	
10	217,126	10	201,858	10	186,502	10	171,146	10	155,789	10	140,433	10	125,076	10	109,720	10	94,363	10	79,007	10	63,651	10	48,295	10	32,945	10	17,588	10	2,305	10	
1/4	216,833	1/4	201,538	1/4	186,182	1/4	170,826	1/4	155,469	1/4	140,113	1/4	124,756	1/4	109,400	1/4	94,044	1/4	78,687	1/4	63,331	1/4	47,975	1/4	32,625	1/4	17,268	1/4	2,026	1/4	
1/2	216,540	1/2	201,218	1/2	185,862	1/2	170,506	1/2	155,149	1/2	139,793	1/2	124,436	1/2	109,080	1/2	93,724	1/2	78,367	1/2	63,011	1/2	47,655	1/2	32,305	1/2	16,948	1/2	1,746	1/2	
3/4	216,247	3/4	200,899	3/4	185,542	3/4	170,186	3/4	154,829	3/4	139,473	3/4	124,117	3/4	108,760	3/4	93,404	3/4	78,047	3/4	62,691	3/4	47,335	3/4	31,985	3/4	16,629	3/4	1,466	3/4	
11	215,929	11	200,579	11	185,222	11	169,866	11	154,509	11	139,153	11	123,797	11	108,440	11	93,084	11	77,727	11	62,371	11	47,016	11	31,665	11	16,309	11	1,266	11	
1/4	215,610	1/4	200,259	1/4	184,902	1/4	169,546	1/4	154,189	1/4	138,833	1/4	123,477	1/4	108,120	1/4	92,764	1/4	77,407	1/4	62,051	1/4	46,696	1/4	31,345	1/4	15,989	1/4	1,066	1/4	
1/2	215,292	1/2	199,939	1/2	184,582	1/2	169,226	1/2	153,870	1/2	138,513	1/2	123,157	1/2	107,800	1/2	92,444	1/2	77,088	1/2	61,731	1/2	46,376	1/2	31,025	1/2	15,669	1/2	866	1/2	
3/4	214,973	3/4	199,619	3/4	184,262	3/4	168,906	3/4	153,550	3/4	138,193	3/4	122,837	3/4	107,480	3/4	92,124	3/4	76,768	3/4	61,411	3/4	46,056	3/4	30,705	3/4	15,349	3/4	666	3/4	

NOTE: GAUGE POINT: TO TOP LIP OF BALL VALVE, ON 18" DECK PIPE.
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NOTE: MEASURED AND COMPUTED IN ACCORDANCE WITH API MPMS 2.7

DATE STRAPPED: 03/02/2017 BY: JM
DATE COMPUTED: 04/11/2017 BY: CL
DATE ISSUED: 04/11/2017

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

BARGE: HFL 3016

JEFFBOAT 16-2310

1 STBD

ULLAGE TABLE

MMC

CAPACITIES GIVEN IN WHOLE GALLONS

FOR MANUAL GAUGING AT 2" BALL VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

REFERENCE GAUGE HEIGHT: 15'-11 1/4"

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.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.
0		0	197,767	0	183,359	0	168,951	0	154,542	0	140,134	0	125,726	0	111,317	0	96,909	0	82,500	0	68,092	0	53,691	0	39,294	0	24,886	0	10,982	0	
1/4		1/4	197,467	1/4	183,059	1/4	168,651	1/4	154,242	1/4	139,834	1/4	125,425	1/4	111,017	1/4	96,609	1/4	82,200	1/4	67,792	1/4	53,391	1/4	38,994	1/4	24,586	1/4	10,714	1/4	
1/2		1/2	197,167	1/2	182,759	1/2	168,350	1/2	153,942	1/2	139,534	1/2	125,125	1/2	110,717	1/2	96,308	1/2	81,900	1/2	67,492	1/2	53,092	1/2	38,694	1/2	24,286	1/2	10,449	1/2	
3/4		3/4	196,867	3/4	182,459	3/4	168,050	3/4	153,642	3/4	139,233	3/4	124,825	3/4	110,417	3/4	96,008	3/4	81,600	3/4	67,192	3/4	52,792	3/4	38,394	3/4	23,985	3/4	10,184	3/4	
1		1	196,567	1	182,158	1	167,750	1	153,342	1	138,933	1	124,525	1	110,116	1	95,708	1	81,300	1	66,892	1	52,492	1	38,094	1	23,685	1	9,920	1	
1/4		1/4	196,267	1/4	181,858	1/4	167,450	1/4	153,041	1/4	138,633	1/4	124,225	1/4	109,816	1/4	95,408	1/4	80,999	1/4	66,591	1/4	52,192	1/4	37,793	1/4	23,385	1/4	9,655	1/4	
1/2		1/2	195,966	1/2	181,558	1/2	167,150	1/2	152,741	1/2	138,333	1/2	123,925	1/2	109,516	1/2	95,108	1/2	80,699	1/2	66,291	1/2	51,893	1/2	37,493	1/2	23,085	1/2	9,395	1/2	
3/4		3/4	195,666	3/4	181,258	3/4	166,850	3/4	152,441	3/4	138,033	3/4	123,624	3/4	109,216	3/4	94,808	3/4	80,399	3/4	65,991	3/4	51,593	3/4	37,193	3/4	22,785	3/4	9,135	3/4	
2		2	195,366	2	180,958	2	166,549	2	152,141	2	137,733	2	123,324	2	108,916	2	94,507	2	80,099	2	65,691	2	51,293	2	36,893	2	22,484	2	8,874	2	
1/4		1/4	195,066	1/4	180,658	1/4	166,249	1/4	151,841	1/4	137,432	1/4	123,024	1/4	108,616	1/4	94,207	1/4	79,799	1/4	65,391	1/4	50,994	1/4	36,593	1/4	22,184	1/4	8,614	1/4	
1/2		1/2	194,766	1/2	180,357	1/2	165,949	1/2	151,541	1/2	137,132	1/2	122,724	1/2	108,315	1/2	93,907	1/2	79,499	1/2	65,091	1/2	50,694	1/2	36,293	1/2	21,884	1/2	8,358	1/2	
3/4		3/4	194,466	3/4	180,057	3/4	165,649	3/4	151,240	3/4	136,832	3/4	122,424	3/4	108,015	3/4	93,607	3/4	79,198	3/4	64,790	3/4	50,394	3/4	35,992	3/4	21,584	3/4	8,101	3/4	
3		3	194,165	3	179,757	3	165,349	3	150,940	3	136,532	3	122,123	3	107,715	3	93,307	3	78,898	3	64,490	3	50,095	3	35,692	3	21,284	3	7,845	3	
1/4		1/4	193,865	1/4	179,457	1/4	165,048	1/4	150,640	1/4	136,232	1/4	121,823	1/4	107,415	1/4	93,006	1/4	78,598	1/4	64,190	1/4	49,795	1/4	35,392	1/4	20,984	1/4	7,589	1/4	
1/2		1/2	193,565	1/2	179,157	1/2	164,748	1/2	150,340	1/2	135,932	1/2	121,523	1/2	107,115	1/2	92,706	1/2	78,298	1/2	63,890	1/2	49,495	1/2	35,092	1/2	20,683	1/2	7,337	1/2	
3/4		3/4	193,265	3/4	178,857	3/4	164,448	3/4	150,040	3/4	135,631	3/4	121,223	3/4	106,815	3/4	92,406	3/4	77,998	3/4	63,590	3/4	49,195	3/4	34,792	3/4	20,383	3/4	7,085	3/4	
4		4	192,965	4	178,556	4	164,148	4	149,740	4	135,331	4	120,923	4	106,514	4	92,106	4	77,698	4	63,290	4	48,896	4	34,491	4	20,083	4	6,833	4	
1/4		1/4	192,665	1/4	178,256	1/4	163,848	1/4	149,439	1/4	135,031	1/4	120,623	1/4	106,214	1/4	91,806	1/4	77,397	1/4	62,989	1/4	48,596	1/4	34,191	1/4	19,783	1/4	6,581	1/4	
1/2		1/2	192,364	1/2	177,956	1/2	163,548	1/2	149,139	1/2	134,731	1/2	120,322	1/2	105,914	1/2	91,506	1/2	77,097	1/2	62,689	1/2	48,296	1/2	33,891	1/2	19,485	1/2	6,334	1/2	
3/4		3/4	192,064	3/4	177,656	3/4	163,247	3/4	148,839	3/4	134,431	3/4	120,022	3/4	105,614	3/4	91,205	3/4	76,797	3/4	62,389	3/4	47,997	3/4	33,591	3/4	19,187	3/4	6,086	3/4	
5		5	191,764	5	177,356	5	162,947	5	148,539	5	134,130	5	119,722	5	105,314	5	90,905	5	76,497	5	62,089	5	47,697	5	33,291	5	18,889	5	5,838	5	
1/4		1/4	191,464	1/4	177,055	1/4	162,647	1/4	148,239	1/4	133,830	1/4	119,422	1/4	105,013	1/4	90,605	1/4	76,197	1/4	61,789	1/4	47,397	1/4	32,991	1/4	18,591	1/4	5,591	1/4	
1/2		1/2	191,164	1/2	176,755	1/2	162,347	1/2	147,938	1/2	133,530	1/2	119,122	1/2	104,713	1/2	90,305	1/2	75,897	1/2	61,489	1/2	47,097	1/2	32,690	1/2	18,297	1/2	5,348	1/2	
3/4		3/4	190,864	3/4	176,455	3/4	162,047	3/4	147,638	3/4	133,230	3/4	118,822	3/4	104,413	3/4	90,005	3/4	75,596	3/4	61,188	3/4	46,798	3/4	32,390	3/4	18,003	3/4	5,105	3/4	
6		6	190,563	6	176,155	6	161,747	6	147,338	6	132,930	6	118,521	6	104,113	6	89,705	6	75,296	6	60,888	6	46,498	6	32,090	6	17,709	6	4,862	6	
1/4		1/4	190,263	1/4	175,855	1/4	161,446	1/4	147,038	1/4	132,630	1/4	118,221	1/4	103,813	1/4	89,404	1/4	74,996	1/4	60,588	1/4	46,198	1/4	31,790	1/4	17,415	1/4	4,618	1/4	
1/2		1/2	189,963	1/2	175,555	1/2	161,146	1/2	146,738	1/2	132,329	1/2	117,921	1/2	103,513	1/2	89,104	1/2	74,696	1/2	60,288	1/2	45,898	1/2	31,490	1/2	17,125	1/2	4,380	1/2	
3/4		3/4	189,663	3/4	175,254	3/4	160,846	3/4	146,438	3/4	132,029	3/4	117,621	3/4	103,212	3/4	88,804	3/4	74,396	3/4	59,988	3/4	45,598	3/4	31,190	3/4	16,836	3/4	4,142	3/4	
7		7	189,363	7	174,954	7	160,546	7	146,137	7	131,729	7	117,321	7	102,912	7	88,504	7	74,096	7	59,688	7	45,298	7	30,889	7	16,546	7	3,904	7	
1/4	202,562	1/4	189,062	1/4	174,654	1/4	160,246	1/4	145,837	1/4	131,429	1/4	117,020	1/4	102,612	1/4	88,204	1/4	73,795	1/4	59,388	1/4	44,998	1/4	30,589	1/4	16,256	1/4	3,665	1/4	
1/2	202,387	1/2	188,762	1/2	174,354	1/2	159,945	1/2	145,537	1/2	131,129	1/2	116,720	1/2	102,312	1/2	87,904	1/2	73,495	1/2	59,088	1/2	44,697	1/2	30,289	1/2	15,971	1/2	3,432	1/2	
3/4	202,212	3/4	188,462	3/4	174,054	3/4	159,645	3/4	145,237	3/4	130,829	3/4	116,420	3/4	102,012	3/4	87,603	3/4	73,195	3/4	58,788	3/4	44,397	3/4	29,989	3/4	15,685	3/4	3,199	3/4	
8	202,037	8	188,162	8	173,754	8	159,345	8	144,937	8	130,528	8	116,120	8	101,712	8	87,303	8	72,895	8	58,488	8	44,097	8	29,689	8	15,400	8	2,966	8	
1/4	201,862	1/4	187,862	1/4	173,453	1/4	159,045	1/4	144,637	1/4	130,228	1/4	115,820	1/4	101,411	1/4	87,003	1/4	72,595	1/4	58,188	1/4	43,797	1/4	29,389	1/4	15,114	1/4	2,733	1/4	
1/2	201,637	1/2	187,562	1/2	173,153	1/2	158,745	1/2	144,336	1/2	129,928	1/2	115,520	1/2	101,111	1/2	86,703	1/2	72,295	1/2	57,888	1/2	43,497	1/2	29,088	1/2	14,833	1/2	2,506	1/2	
3/4	201,412	3/4	187,261	3/4	172,853	3/4	158,445	3/4	144,036	3/4	129,628	3/4	115,219	3/4	100,811	3/4	86,403	3/4	71,994	3/4	57,588	3/4	43,197	3/4	28,788	3/4	14,552	3/4	2,278	3/4	
9	201,187	9	186,961	9	172,553	9	158,144	9	143,736	9	129,328	9	114,919	9	100,511	9	86,102	9	71,694	9	57,288	9	42,896	9	28,488	9	14,270	9	2,051	9	
1/4	200,962	1/4	186,661	1/4	172,253	1/4	157,844	1/4	143,436	1/4	129,027	1/4	114,619	1/4	100,211	1/4	85,802	1/4	71,394	1/4	56,988	1/4	42,596	1/4	28,188	1/4	13,989	1/4	1,824	1/4	
1/2	200,686	1/2	186,361	1/2	171,952	1/2	157,544	1/2	143,136	1/2	128,727	1/2	114,319	1/2	99,911	1/2	85,502	1/2	71,094	1/2	56,689	1/2	42,296	1/2	27,888	1/2	13,712	1/2	1,635	1/2	
3/4	200,411	3/4	186,061	3/4	171,652	3/4	157,244	3/4	142,836	3/4	128,427	3/4	114,019	3/4	99,610	3/4	85,202	3/4	70,794	3/4	56,389	3/4	41,996	3/4	27,587	3/4	13,435	3/4	1,445	3/4	
10	200,136	10	185,761	10	171,352	10	156,944	10	142,535	10	128,127	10	113,719	10	99,310	10	84,902	10	70,494	10	56,089	10	41,696	10	27,287	10	13,158	10	1,256	10	
1/4	199,861	1/4	185,460	1/4	171,052	1/4	156,644	1/4	142,235	1/4	127,827	1/4	113,418	1/4	99,010	1/4	84,602	1/4	70,193	1/4	55,789	1/4	41,396	1/4	26,987	1/4	12,880	1/4	1,067	1/4	
1/2	199,562	1/2	185,160	1/2	170,752	1/2	156,343	1/2	141,935	1/2	127,527	1/2	113,118	1/2	98,710	1/2	84,301	1/2	69,893	1/2	55,489	1/2	41,095	1/2	26,687	1/2	12,607	1/2	957	1/2	
3/4	199,264	3/4	184,860	3/4	170,452	3/4	156,043	3/4	141,635	3/4	127,226	3/4	112,818	3/4	98,410	3/4	84,001	3/4	69,593	3/4	55,190	3/4	40,795	3/4	26,387	3/4	12,334	3/4	847	3/4	
11	198,965	11	184,560	11	170,151	11	155,743	11	141,335	11	126,926	11	112,518	11	98,109	11	83,701	11	69,293	11	54,890	11	40,495	11	26,087	11	12,062	11	737	11	
1/4	198,666	1/4	184,260	1/4	169,851	1/4	155,443	1/4	141,034	1/4	126,626	1/4	112,218	1/4	97,809	1/4	83,401	1/4	68,993	1/4	54,590	1/4	40,195	1/4	25,786	1/4	11,789	1/4	627	1/4	
1/2	198,366	1/2	183,959	1/2	169,551	1/2	155,143	1/2	140,734	1/2	126,326	1/2	111,918	1/2	97,509	1/2	83,101	1/2	68,693	1/2	54,290	1/2	39,895	1/2	25,486	1/2	11,520	1/2		1/2	
3/4	198,067	3/4	183,659	3/4	169,251	3/4	154,843	3/4	140,434	3/4	126,026	3/4	111,617	3/4	97,209	3/4	82,801	3/4	68,392	3/4	53,991	3/4	39,594	3/4	25,186	3/4	11,251	3/4		3/4	

NOTE: GAUGE POINT: TO TOP LIP OF BALL VALVE, ON 18" DECK PIPE.
NOTE: GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK
NOTE: FOR GREATER ACCURACY, BARGE SHOULD BE UPRIGHT AND ON EVEN KEEL
NOTE: MEASURED AND COMPUTED IN ACCORDANCE WITH API MPMS 2.7

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BARGE: HFL 3016

JEFFBOAT 16-2310

1 PORT

ULLAGE TABLE

MMC

CAPACITIES GIVEN IN WHOLE GALLONS

FOR MANUAL GAUGING AT 2" BALL VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

REFERENCE GAUGE HEIGHT: 15'-11 1/8"

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.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.
0		0	197,629	0	183,221	0	168,812	0	154,404	0	139,996	0	125,587	0	111,179	0	96,770	0	82,362	0	67,954	0	53,549	0	39,144	0	24,736	0	10,848	0	
1/4		1/4	197,329	1/4	182,921	1/4	168,512	1/4	154,104	1/4	139,695	1/4	125,287	1/4	110,879	1/4	96,470	1/4	82,062	1/4	67,654	1/4	53,249	1/4	38,844	1/4	24,436	1/4	10,581	1/4	
1/2		1/2	197,029	1/2	182,620	1/2	168,212	1/2	153,804	1/2	139,395	1/2	124,987	1/2	110,578	1/2	96,170	1/2	81,762	1/2	67,354	1/2	52,949	1/2	38,544	1/2	24,135	1/2	10,317	1/2	
3/4		3/4	196,729	3/4	182,320	3/4	167,912	3/4	153,503	3/4	139,095	3/4	124,687	3/4	110,278	3/4	95,870	3/4	81,461	3/4	67,053	3/4	52,649	3/4	38,244	3/4	23,835	3/4	10,052	3/4	
1		1	196,428	1	182,020	1	167,612	1	153,203	1	138,795	1	124,386	1	109,978	1	95,570	1	81,161	1	66,753	1	52,349	1	37,944	1	23,535	1	9,788	1	
1/4		1/4	196,128	1/4	181,720	1/4	167,312	1/4	152,903	1/4	138,495	1/4	124,086	1/4	109,678	1/4	95,270	1/4	80,861	1/4	66,453	1/4	52,049	1/4	37,643	1/4	23,235	1/4	9,525	1/4	
1/2		1/2	195,828	1/2	181,420	1/2	167,011	1/2	152,603	1/2	138,195	1/2	123,786	1/2	109,378	1/2	94,969	1/2	80,561	1/2	66,153	1/2	51,749	1/2	37,343	1/2	22,935	1/2	9,265	1/2	
3/4		3/4	195,528	3/4	181,120	3/4	166,711	3/4	152,303	3/4	137,894	3/4	123,486	3/4	109,078	3/4	94,669	3/4	80,261	3/4	65,853	3/4	51,449	3/4	37,043	3/4	22,635	3/4	9,004	3/4	
2		2	195,228	2	180,819	2	166,411	2	152,003	2	137,594	2	123,186	2	108,777	2	94,369	2	79,961	2	65,553	2	51,149	2	36,743	2	22,334	2	8,744	2	
1/4		1/4	194,928	1/4	180,519	1/4	166,111	1/4	151,702	1/4	137,294	1/4	122,886	1/4	108,477	1/4	94,069	1/4	79,660	1/4	65,252	1/4	50,849	1/4	36,443	1/4	22,034	1/4	8,486	1/4	
1/2		1/2	194,627	1/2	180,219	1/2	165,811	1/2	151,402	1/2	136,994	1/2	122,585	1/2	108,177	1/2	93,769	1/2	79,360	1/2	64,952	1/2	50,549	1/2	36,142	1/2	21,734	1/2	8,230	1/2	
3/4		3/4	194,327	3/4	179,919	3/4	165,510	3/4	151,102	3/4	136,694	3/4	122,285	3/4	107,877	3/4	93,468	3/4	79,060	3/4	64,652	3/4	50,250	3/4	35,842	3/4	21,434	3/4	7,973	3/4	
3		3	194,027	3	179,619	3	165,210	3	150,802	3	136,393	3	121,985	3	107,577	3	93,168	3	78,760	3	64,352	3	49,950	3	35,542	3	21,134	3	7,717	3	
1/4		1/4	193,727	1/4	179,319	1/4	164,910	1/4	150,502	1/4	136,093	1/4	121,685	1/4	107,277	1/4	92,868	1/4	78,460	1/4	64,052	1/4	49,650	1/4	35,242	1/4	20,834	1/4	7,463	1/4	
1/2		1/2	193,427	1/2	179,018	1/2	164,610	1/2	150,202	1/2	135,793	1/2	121,385	1/2	106,976	1/2	92,568	1/2	78,160	1/2	63,752	1/2	49,350	1/2	34,942	1/2	20,533	1/2	7,211	1/2	
3/4		3/4	193,127	3/4	178,718	3/4	164,310	3/4	149,901	3/4	135,493	3/4	121,085	3/4	106,676	3/4	92,268	3/4	77,859	3/4	63,451	3/4	49,050	3/4	34,642	3/4	20,233	3/4	6,959	3/4	
4		4	192,826	4	178,418	4	164,010	4	149,601	4	135,193	4	120,784	4	106,376	4	91,968	4	77,559	4	63,151	4	48,750	4	34,341	4	19,933	4	6,707	4	
1/4		1/4	192,526	1/4	178,118	1/4	163,709	1/4	149,301	1/4	134,893	1/4	120,484	1/4	106,076	1/4	91,667	1/4	77,259	1/4	62,851	1/4	48,450	1/4	34,041	1/4	19,634	1/4	6,457	1/4	
1/2		1/2	192,226	1/2	177,818	1/2	163,409	1/2	149,001	1/2	134,592	1/2	120,184	1/2	105,776	1/2	91,367	1/2	76,959	1/2	62,551	1/2	48,149	1/2	33,741	1/2	19,336	1/2	6,210	1/2	
3/4		3/4	191,926	3/4	177,517	3/4	163,109	3/4	148,701	3/4	134,292	3/4	119,884	3/4	105,475	3/4	91,067	3/4	76,659	3/4	62,251	3/4	47,849	3/4	33,441	3/4	19,038	3/4	5,962	3/4	
5		5	191,626	5	177,217	5	162,809	5	148,400	5	133,992	5	119,584	5	105,175	5	90,767	5	76,359	5	61,951	5	47,549	5	33,141	5	18,740	5	5,715	5	
1/4		1/4	191,326	1/4	176,917	1/4	162,509	1/4	148,100	1/4	133,692	1/4	119,284	1/4	104,875	1/4	90,467	1/4	76,058	1/4	61,650	1/4	47,249	1/4	32,841	1/4	18,444	1/4	5,469	1/4	
1/2		1/2	191,025	1/2	176,617	1/2	162,209	1/2	147,800	1/2	133,392	1/2	118,983	1/2	104,575	1/2	90,167	1/2	75,758	1/2	61,350	1/2	46,949	1/2	32,540	1/2	18,150	1/2	5,226	1/2	
3/4		3/4	190,725	3/4	176,317	3/4	161,908	3/4	147,500	3/4	133,092	3/4	118,683	3/4	104,275	3/4	89,866	3/4	75,458	3/4	61,050	3/4	46,649	3/4	32,240	3/4	17,856	3/4	4,983	3/4	
6		6	190,425	6	176,017	6	161,608	6	147,200	6	132,791	6	118,383	6	103,975	6	89,566	6	75,158	6	60,750	6	46,348	6	31,940	6	17,562	6	4,740	6	
1/4		1/4	190,125	1/4	175,716	1/4	161,308	1/4	146,900	1/4	132,491	1/4	118,083	1/4	103,674	1/4	89,266	1/4	74,858	1/4	60,450	1/4	46,048	1/4	31,640	1/4	17,270	1/4	4,499	1/4	
1/2		1/2	189,825	1/2	175,416	1/2	161,008	1/2	146,599	1/2	132,191	1/2	117,783	1/2	103,374	1/2	88,966	1/2	74,558	1/2	60,150	1/2	45,748	1/2	31,340	1/2	16,980	1/2	4,261	1/2	
3/4		3/4	189,524	3/4	175,116	3/4	160,708	3/4	146,299	3/4	131,891	3/4	117,482	3/4	103,074	3/4	88,666	3/4	74,257	3/4	59,849	3/4	45,448	3/4	31,039	3/4	16,691	3/4	4,023	3/4	
1/8	202,574	7	189,224	7	174,816	7	160,407	7	145,999	7	131,591	7	117,182	7	102,774	7	88,366	7	73,957	7	59,549	7	45,148	7	30,739	7	16,401	7	3,785	7	
1/4	202,487	1/4	188,924	1/4	174,516	1/4	160,107	1/4	145,699	1/4	131,291	1/4	116,882	1/4	102,474	1/4	88,065	1/4	73,657	1/4	59,249	1/4	44,848	1/4	30,439	1/4	16,113	1/4	3,549	1/4	
1/2	202,312	1/2	188,624	1/2	174,216	1/2	159,807	1/2	145,399	1/2	130,990	1/2	116,582	1/2	102,174	1/2	87,765	1/2	73,357	1/2	58,949	1/2	44,547	1/2	30,139	1/2	15,828	1/2	3,316	1/2	
3/4	202,136	3/4	188,324	3/4	173,915	3/4	159,507	3/4	145,099	3/4	130,690	3/4	116,282	3/4	101,873	3/4	87,465	3/4	73,057	3/4	58,649	3/4	44,247	3/4	29,839	3/4	15,542	3/4	3,083	3/4	
8	201,961	8	188,024	8	173,615	8	159,207	8	144,798	8	130,390	8	115,982	8	101,573	8	87,165	8	72,757	8	58,349	8	43,947	8	29,539	8	15,257	8	2,849	8	
1/4	201,761	1/4	187,723	1/4	173,315	1/4	158,907	1/4	144,498	1/4	130,090	1/4	115,681	1/4	101,273	1/4	86,865	1/4	72,456	1/4	58,049	1/4	43,647	1/4	29,238	1/4	14,974	1/4	2,619	1/4	
1/2	201,536	1/2	187,423	1/2	173,015	1/2	158,606	1/2	144,198	1/2	129,790	1/2	115,381	1/2	100,973	1/2	86,564	1/2	72,156	1/2	57,749	1/2	43,347	1/2	28,938	1/2	14,692	1/2	2,392	1/2	
3/4	201,311	3/4	187,123	3/4	172,715	3/4	158,306	3/4	143,898	3/4	129,489	3/4	115,081	3/4	100,673	3/4	86,264	3/4	71,856	3/4	57,449	3/4	43,046	3/4	28,638	3/4	14,411	3/4	2,165	3/4	
9	201,086	9	186,823	9	172,414	9	158,006	9	143,598	9	129,189	9	114,781	9	100,373	9	85,964	9	71,556	9	57,149	9	42,746	9	28,338	9	14,130	9	1,937	9	
1/4	200,836	1/4	186,523	1/4	172,114	1/4	157,706	1/4	143,298	1/4	128,889	1/4	114,481	1/4	100,072	1/4	85,664	1/4	71,256	1/4	56,849	1/4	42,446	1/4	28,038	1/4	13,850	1/4	1,729	1/4	
1/2	200,561	1/2	186,223	1/2	171,814	1/2	157,406	1/2	142,997	1/2	128,589	1/2	114,181	1/2	99,772	1/2	85,364	1/2	70,956	1/2	56,549	1/2	42,146	1/2	27,738	1/2	13,573	1/2	1,540	1/2	
3/4	200,286	3/4	185,922	3/4	171,514	3/4	157,106	3/4	142,697	3/4	128,289	3/4	113,880	3/4	99,472	3/4	85,064	3/4	70,655	3/4	56,249	3/4	41,846	3/4	27,437	3/4	13,296	3/4	1,351	3/4	
10	200,010	10	185,622	10	171,214	10	156,805	10	142,397	10	127,989	10	113,580	10	99,172	10	84,763	10	70,355	10	55,949	10	41,546	10	27,137	10	13,019	10	1,162	10	
1/4	199,724	1/4	185,322	1/4	170,914	1/4	156,505	1/4	142,097	1/4	127,688	1/4	113,280	1/4	98,872	1/4	84,463	1/4	70,055	1/4	55,649	1/4	41,245	1/4	26,837	1/4	12,744	1/4	1,012	1/4	
1/2	199,425	1/2	185,022	1/2	170,613	1/2	156,205	1/2	141,797	1/2	127,388	1/2	112,980	1/2	98,571	1/2	84,163	1/2	69,755	1/2	55,349	1/2	40,945	1/2	26,537	1/2	12,471	1/2	902	1/2	
3/4	199,126	3/4	184,722	3/4	170,313	3/4	155,905	3/4	141,496	3/4	127,088	3/4	112,680	3/4	98,271	3/4	83,863	3/4	69,455	3/4	55,049	3/4	40,645	3/4	26,237	3/4	12,198	3/4	792	3/4	
11	198,827	11	184,421	11	170,013	11	155,605	11	141,196	11	126,788	11	112,380	11	97,971	11	83,563	11	69,155	11	54,749	11	40,345	11	25,937	11	11,925	11	682	11	
1/4	198,528	1/4	184,121	1/4	169,713	1/4	155,305	1/4	140,896	1/4	126,488	1/4	112,079	1/4	97,671	1/4	83,263	1/4	68,854	1/4	54,449	1/4	40,045	1/4	25,636	1/4	11,654	1/8	627	1/4	
1/2	198,228	1/2	183,821	1/2	169,413	1/2	155,004	1/2	140,596	1/2	126,188	1/2	111,779	1/2	97,371	1/2	82,962	1/2	68,554	1/2	54,149	1/2	39,745	1/2	25,336	1/2	11,385	1/2		1/2	
3/4	197,929	3/4	183,521	3/4	169,113	3/4	154,704	3/4	140,296	3/4	125,887	3/4	111,479	3/4	97,071	3/4	82,662	3/4	68,254	3/4	53,849	3/4	39,444	3/4	25,036	3/4	11,117	3/4		3/4	

NOTE: GAUGE POINT: TO TOP LIP OF BALL VALVE, ON 18" DECK PIPE.
NOTE: GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK
NOTE: FOR GREATER ACCURACY, BARGE SHOULD BE UPRIGHT AND ON EVEN KEEL
NOTE: MEASURED AND COMPUTED IN ACCORDANCE WITH API MPMS 2.7

DATE STRAPPED: 03/02/2017 BY: JM
DATE COMPUTED: 04/11/2017 BY: CL
DATE ISSUED: 04/11/2017

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.