

**Independent
Vessel Calibration**

MOC 16
Conrad Shipbuilding Hull # 961
STRAPPING TABLES

IVC Calibration
Houston, Texas USA
281 332 9781

**Independent
Vessel Calibration**

MOC 16
Conrad Shipbuilding Hull # 961

**CORRECTION TABLES
FOR
ULLAGE GAUGES**

IVC Calibration
Houston, Texas USA
281 332 9781

**Independent Vessel
Calibration**

MOC 16

TRIM CORRECTIONS

TO BE APPLIED TO ULLAGE READINGS

ULLAGE

TANK SUMMARY

(WITHOUT LIST)

TANK NUMBER	FORE TRIM			EVEN KEEL	TRIM BY THE STERN (Feet)										
	-1.50	-1.00	-0.50		0.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50
1 Port	- 1/8	- 1/8	0	0	0	1/8	1/8	1/8	1/8	1/4	1/4	1/4	1/4	3/8	3/8
1 Stbd	- 1/8	- 1/8	0	0	0	1/8	1/8	1/8	1/8	1/4	1/4	1/4	1/4	3/8	3/8
2 Port	- 1/8	0	0	0	0	0	1/8	1/8	1/8	1/8	1/4	1/4	1/4	1/4	3/8
2 Stbd	- 1/8	0	0	0	0	0	1/8	1/8	1/8	1/8	1/4	1/4	1/4	1/4	3/8
3 Port	3/4	1/2	1/4	0	- 1/4	- 1/2	- 3/4	-1	-1 1/4	-1 1/2	-1 5/8	-1 7/8	-2 1/8	-2 3/8	-2 5/8
3 Stbd	3/4	1/2	1/4	0	- 1/4	- 1/2	- 3/4	-1	-1 1/4	-1 1/2	-1 5/8	-1 7/8	-2 1/8	-2 3/8	-2 5/8
TANK NUMBER															
1 Port	3/8	1/2	1/2	1/2	1/2	5/8	5/8	5/8	3/4	3/4	3/4	3/4	7/8	7/8	7/8
1 Stbd	3/8	1/2	1/2	1/2	1/2	5/8	5/8	5/8	3/4	3/4	3/4	3/4	7/8	7/8	7/8
2 Port	3/8	3/8	3/8	3/8	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	3/4	3/4
2 Stbd	3/8	3/8	3/8	3/8	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	3/4	3/4
3 Port	-2 7/8	-3 1/8	-3 3/8	-3 5/8	-3 7/8	-4 1/8	-4 3/8	-4 1/2	-4 3/4	-5	-5 1/4	-5 1/2	-5 3/4	-6	-6 1/4
3 Stbd	-2 7/8	-3 1/8	-3 3/8	-3 5/8	-3 7/8	-4 1/8	-4 3/8	-4 1/2	-4 3/4	-5	-5 1/4	-5 1/2	-5 3/4	-6	-6 1/4

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	FT.	IN	FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0		6		0		6		0		6	223,146	0	217,386	6	209,799	0	202,212	6	194,596
1/8		1/8		1/8		1/8		1/8		1/8	223,095	1/8	217,228	1/8	209,641	1/8	202,054	1/8	194,437
1/4		1/4		1/4		1/4		1/4		1/4	223,042	1/4	217,070	1/4	209,483	1/4	201,895	1/4	194,279
3/8		3/8		3/8		3/8		3/8		3/8	222,986	3/8	216,912	3/8	209,324	3/8	201,736	3/8	194,120
1/2		1/2		1/2		1/2		1/2		1/2	222,926	1/2	216,753	1/2	209,166	1/2	201,578	1/2	193,961
5/8		5/8		5/8		5/8		5/8		5/8	222,863	5/8	216,595	5/8	209,008	5/8	201,419	5/8	193,803
3/4		3/4		3/4		3/4		3/4		3/4	222,797	3/4	216,437	3/4	208,850	3/4	201,260	3/4	193,644
7/8		7/8		7/8		7/8		7/8		7/8	222,727	7/8	216,279	7/8	208,692	7/8	201,102	7/8	193,485
1		7		1		7		1		7	222,654	1	216,121	7	208,534	1	200,943	7	193,327
1/8		1/8		1/8		1/8		1/8		1/8	222,578	1/8	215,963	1/8	208,376	1/8	200,784	1/8	193,168
1/4		1/4		1/4		1/4		1/4		1/4	222,499	1/4	215,805	1/4	208,218	1/4	200,626	1/4	193,009
3/8		3/8		3/8		3/8		3/8		3/8	222,416	3/8	215,647	3/8	208,060	3/8	200,467	3/8	192,851
1/2		1/2		1/2		1/2		1/2		1/2	222,330	1/2	215,489	1/2	207,902	1/2	200,308	1/2	192,692
5/8		5/8		5/8		5/8		5/8		5/8	222,240	5/8	215,331	5/8	207,744	5/8	200,150	5/8	192,533
3/4		3/4		3/4		3/4		3/4		3/4	222,147	3/4	215,173	3/4	207,586	3/4	199,991	3/4	192,375
7/8		7/8		7/8		7/8		7/8		7/8	222,051	7/8	215,015	7/8	207,428	7/8	199,832	7/8	192,216
2		8		2		8		2		8	221,952	2	214,856	8	207,270	2	199,674	8	192,057
1/8		1/8		1/8		1/8		1/8		1/8	221,849	1/8	214,698	1/8	207,112	1/8	199,515	1/8	191,899
1/4		1/4		1/4		1/4		1/4		1/4	221,743	1/4	214,540	1/4	206,954	1/4	199,356	1/4	191,740
3/8		3/8		3/8		3/8		3/8		3/8	221,634	3/8	214,382	3/8	206,796	3/8	199,198	3/8	191,581
1/2		1/2		1/2		1/2		1/2		1/2	221,521	1/2	214,224	1/2	206,637	1/2	199,039	1/2	191,423
5/8		5/8		5/8		5/8		5/8		5/8	221,406	5/8	214,066	5/8	206,479	5/8	198,880	5/8	191,264
3/4		3/4		3/4		3/4		3/4		3/4	221,286	3/4	213,908	3/4	206,321	3/4	198,722	3/4	191,105
7/8		7/8		7/8		7/8		7/8		7/8	221,164	7/8	213,750	7/8	206,163	7/8	198,563	7/8	190,947
3		9		3		9		3		9	221,038	3	213,592	9	206,005	3	198,404	9	190,788
1/8		1/8		1/8		1/8		1/8		1/8	220,909	1/8	213,434	1/8	205,847	1/8	198,246	1/8	190,629
1/4		1/4		1/4		1/4		1/4		1/4	220,777	1/4	213,276	1/4	205,689	1/4	198,087	1/4	190,471
3/8		3/8		3/8		3/8		3/8		3/8	220,641	3/8	213,118	3/8	205,531	3/8	197,928	3/8	190,312
1/2		1/2		1/2		1/2		1/2		1/2	220,502	1/2	212,960	1/2	205,373	1/2	197,770	1/2	190,153
5/8		5/8		5/8		5/8		5/8		5/8	220,360	5/8	212,802	5/8	205,215	5/8	197,611	5/8	189,995
3/4		3/4		3/4		3/4		3/4		3/4	220,214	3/4	212,644	3/4	205,057	3/4	197,452	3/4	189,836
7/8		7/8		7/8		7/8		7/8		7/8	220,065	7/8	212,486	7/8	204,899	7/8	197,294	7/8	189,677
4		10		4		10		4		10	219,913	4	212,328	10	204,741	4	197,135	10	189,519
1/8		1/8		1/8		1/8		1/8		1/8	223,505	1/8	212,169	1/8	204,583	1/8	196,976	1/8	189,360
1/4		1/4		1/4		1/4		1/4		1/4	223,504	1/4	212,011	1/4	204,425	1/4	196,818	1/4	189,201
3/8		3/8		3/8		3/8		3/8		3/8	223,500	3/8	211,853	3/8	204,267	3/8	196,659	3/8	189,043
1/2		1/2		1/2		1/2		1/2		1/2	223,493	1/2	211,695	1/2	204,109	1/2	196,500	1/2	188,884
5/8		5/8		5/8		5/8		5/8		5/8	223,482	5/8	211,537	5/8	203,951	5/8	196,342	5/8	188,725
3/4		3/4		3/4		3/4		3/4		3/4	223,468	3/4	211,379	3/4	203,792	3/4	196,183	3/4	188,566
7/8		7/8		7/8		7/8		7/8		7/8	223,451	7/8	211,221	7/8	203,634	7/8	196,024	7/8	188,408
5		11		5		11		5		11	223,430	5	211,063	11	203,476	5	195,866	11	188,249
1/8		1/8		1/8		1/8		1/8		1/8	223,406	1/8	210,905	1/8	203,318	1/8	195,707	1/8	188,090
1/4		1/4		1/4		1/4		1/4		1/4	223,379	1/4	210,747	1/4	203,160	1/4	195,548	1/4	187,932
3/8		3/8		3/8		3/8		3/8		3/8	223,348	3/8	210,589	3/8	203,002	3/8	195,389	3/8	187,773
1/2		1/2		1/2		1/2		1/2		1/2	223,314	1/2	210,431	1/2	202,844	1/2	195,231	1/2	187,614
5/8		5/8		5/8		5/8		5/8		5/8	223,277	5/8	210,273	5/8	202,686	5/8	195,072	5/8	187,456
3/4		3/4		3/4		3/4		3/4		3/4	223,237	3/4	210,115	3/4	202,528	3/4	194,913	3/4	187,297
7/8		7/8		7/8		7/8		7/8		7/8	223,193	7/8	209,957	7/8	202,370	7/8	194,755	7/8	187,138

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UT)

NOTE: GAUGE POINT IS LOCATED 42' 0" FORWARD OF AFT BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

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.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration



CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	186,980	6	179,363	0	171,747	6	164,131	0	156,514	6	148,898	0	141,281	6	133,665	0	126,049	6	118,431
1/8	186,821	1/8	179,205	1/8	171,588	1/8	163,972	1/8	156,355	1/8	148,739	1/8	141,123	1/8	133,506	1/8	125,890	1/8	118,272
1/4	186,662	1/4	179,046	1/4	171,430	1/4	163,813	1/4	156,197	1/4	148,580	1/4	140,964	1/4	133,348	1/4	125,731	1/4	118,113
3/8	186,504	3/8	178,887	3/8	171,271	3/8	163,655	3/8	156,038	3/8	148,422	3/8	140,805	3/8	133,189	3/8	125,573	3/8	117,955
1/2	186,345	1/2	178,729	1/2	171,112	1/2	163,496	1/2	155,879	1/2	148,263	1/2	140,647	1/2	133,030	1/2	125,414	1/2	117,796
5/8	186,186	5/8	178,570	5/8	170,954	5/8	163,337	5/8	155,721	5/8	148,104	5/8	140,488	5/8	132,872	5/8	125,255	5/8	117,637
3/4	186,028	3/4	178,411	3/4	170,795	3/4	163,179	3/4	155,562	3/4	147,946	3/4	140,329	3/4	132,713	3/4	125,097	3/4	117,479
7/8	185,869	7/8	178,253	7/8	170,636	7/8	163,020	7/8	155,403	7/8	147,787	7/8	140,171	7/8	132,554	7/8	124,938	7/8	117,320
1	185,710	7	178,094	1	170,478	7	162,861	1	155,245	7	147,628	1	140,012	7	132,396	1	124,779	7	117,161
1/8	185,552	1/8	177,935	1/8	170,319	1/8	162,702	1/8	155,086	1/8	147,470	1/8	139,853	1/8	132,237	1/8	124,621	1/8	117,002
1/4	185,393	1/4	177,777	1/4	170,160	1/4	162,544	1/4	154,927	1/4	147,311	1/4	139,695	1/4	132,078	1/4	124,462	1/4	116,844
3/8	185,234	3/8	177,618	3/8	170,002	3/8	162,385	3/8	154,769	3/8	147,152	3/8	139,536	3/8	131,920	3/8	124,303	3/8	116,685
1/2	185,076	1/2	177,459	1/2	169,843	1/2	162,226	1/2	154,610	1/2	146,994	1/2	139,377	1/2	131,761	1/2	124,144	1/2	116,526
5/8	184,917	5/8	177,301	5/8	169,684	5/8	162,068	5/8	154,451	5/8	146,835	5/8	139,219	5/8	131,602	5/8	123,986	5/8	116,367
3/4	184,758	3/4	177,142	3/4	169,525	3/4	161,909	3/4	154,293	3/4	146,676	3/4	139,060	3/4	131,444	3/4	123,827	3/4	116,209
7/8	184,600	7/8	176,983	7/8	169,367	7/8	161,750	7/8	154,134	7/8	146,518	7/8	138,901	7/8	131,285	7/8	123,668	7/8	116,050
2	184,441	8	176,825	2	169,208	8	161,592	2	153,975	8	146,359	2	138,743	8	131,126	2	123,510	8	115,891
1/8	184,282	1/8	176,666	1/8	169,049	1/8	161,433	1/8	153,817	1/8	146,200	1/8	138,584	1/8	130,968	1/8	123,351	1/8	115,733
1/4	184,124	1/4	176,507	1/4	168,891	1/4	161,274	1/4	153,658	1/4	146,042	1/4	138,425	1/4	130,809	1/4	123,192	1/4	115,574
3/8	183,965	3/8	176,349	3/8	168,732	3/8	161,116	3/8	153,499	3/8	145,883	3/8	138,267	3/8	130,650	3/8	123,034	3/8	115,415
1/2	183,806	1/2	176,190	1/2	168,573	1/2	160,957	1/2	153,341	1/2	145,724	1/2	138,108	1/2	130,491	1/2	122,875	1/2	115,256
5/8	183,648	5/8	176,031	5/8	168,415	5/8	160,798	5/8	153,182	5/8	145,566	5/8	137,949	5/8	130,333	5/8	122,716	5/8	115,098
3/4	183,489	3/4	175,872	3/4	168,256	3/4	160,640	3/4	153,023	3/4	145,407	3/4	137,791	3/4	130,174	3/4	122,558	3/4	114,939
7/8	183,330	7/8	175,714	7/8	168,097	7/8	160,481	7/8	152,865	7/8	145,248	7/8	137,632	7/8	130,015	7/8	122,399	7/8	114,780
3	183,172	9	175,555	3	167,939	9	160,322	3	152,706	9	145,090	3	137,473	9	129,857	3	122,240	9	114,621
1/8	183,013	1/8	175,396	1/8	167,780	1/8	160,164	1/8	152,547	1/8	144,931	1/8	137,315	1/8	129,698	1/8	122,082	1/8	114,463
1/4	182,854	1/4	175,238	1/4	167,621	1/4	160,005	1/4	152,389	1/4	144,772	1/4	137,156	1/4	129,539	1/4	121,923	1/4	114,304
3/8	182,696	3/8	175,079	3/8	167,463	3/8	159,846	3/8	152,230	3/8	144,614	3/8	136,997	3/8	129,381	3/8	121,764	3/8	114,145
1/2	182,537	1/2	174,920	1/2	167,304	1/2	159,688	1/2	152,071	1/2	144,455	1/2	136,838	1/2	129,222	1/2	121,606	1/2	113,986
5/8	182,378	5/8	174,762	5/8	167,145	5/8	159,529	5/8	151,913	5/8	144,296	5/8	136,680	5/8	129,063	5/8	121,447	5/8	113,828
3/4	182,219	3/4	174,603	3/4	166,987	3/4	159,370	3/4	151,754	3/4	144,138	3/4	136,521	3/4	128,905	3/4	121,288	3/4	113,669
7/8	182,061	7/8	174,444	7/8	166,828	7/8	159,212	7/8	151,595	7/8	143,979	7/8	136,362	7/8	128,746	7/8	121,129	7/8	113,510
4	181,902	10	174,286	4	166,669	10	159,053	4	151,437	10	143,820	4	136,204	10	128,587	4	120,971	10	113,352
1/8	181,743	1/8	174,127	1/8	166,511	1/8	158,894	1/8	151,278	1/8	143,661	1/8	136,045	1/8	128,429	1/8	120,812	1/8	113,193
1/4	181,585	1/4	173,968	1/4	166,352	1/4	158,736	1/4	151,119	1/4	143,503	1/4	135,886	1/4	128,270	1/4	120,653	1/4	113,034
3/8	181,426	3/8	173,810	3/8	166,193	3/8	158,577	3/8	150,961	3/8	143,344	3/8	135,728	3/8	128,111	3/8	120,494	3/8	112,875
1/2	181,267	1/2	173,651	1/2	166,035	1/2	158,418	1/2	150,802	1/2	143,185	1/2	135,569	1/2	127,953	1/2	120,336	1/2	112,717
5/8	181,109	5/8	173,492	5/8	165,876	5/8	158,260	5/8	150,643	5/8	143,027	5/8	135,410	5/8	127,794	5/8	120,177	5/8	112,558
3/4	180,950	3/4	173,334	3/4	165,717	3/4	158,101	3/4	150,485	3/4	142,868	3/4	135,252	3/4	127,635	3/4	120,018	3/4	112,399
7/8	180,791	7/8	173,175	7/8	165,559	7/8	157,942	7/8	150,326	7/8	142,709	7/8	135,093	7/8	127,477	7/8	119,859	7/8	112,240
5	180,633	11	173,016	5	165,400	11	157,784	5	150,167	11	142,551	5	134,934	11	127,318	5	119,701	11	112,082
1/8	180,474	1/8	172,858	1/8	165,241	1/8	157,625	1/8	150,008	1/8	142,392	1/8	134,776	1/8	127,159	1/8	119,542	1/8	111,923
1/4	180,315	1/4	172,699	1/4	165,083	1/4	157,466	1/4	149,850	1/4	142,233	1/4	134,617	1/4	127,001	1/4	119,383	1/4	111,764
3/8	180,157	3/8	172,540	3/8	164,924	3/8	157,308	3/8	149,691	3/8	142,075	3/8	134,458	3/8	126,842	3/8	119,225	3/8	111,606
1/2	179,998	1/2	172,382	1/2	164,765	1/2	157,149	1/2	149,532	1/2	141,916	1/2	134,300	1/2	126,683	1/2	119,066	1/2	111,447
5/8	179,839	5/8	172,223	5/8	164,607	5/8	156,990	5/8	149,374	5/8	141,757	5/8	134,141	5/8	126,525	5/8	118,907	5/8	111,288
3/4	179,681	3/4	172,064	3/4	164,448	3/4	156,832	3/4	149,215	3/4	141,599	3/4	133,982	3/4	126,366	3/4	118,748	3/4	111,129
7/8	179,522	7/8	171,906	7/8	164,289	7/8	156,673	7/8	149,056	7/8	141,440	7/8	133,824	7/8	126,207	7/8	118,590	7/8	110,971

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UTI)

NOTE: GAUGE POINT IS LOCATED 42' 0" FORWARD OF AFT BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

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.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	110,812	6	103,193	0	95,574	6	87,955	0	80,336	6	72,717	0	65,098	6	57,479	0	49,860	6	42,243
1/8	110,653	1/8	103,034	1/8	95,415	1/8	87,796	1/8	80,177	1/8	72,558	1/8	64,939	1/8	57,320	1/8	49,701	1/8	42,084
1/4	110,494	1/4	102,875	1/4	95,256	1/4	87,637	1/4	80,018	1/4	72,399	1/4	64,780	1/4	57,161	1/4	49,542	1/4	41,925
3/8	110,336	3/8	102,717	3/8	95,098	3/8	87,479	3/8	79,860	3/8	72,240	3/8	64,621	3/8	57,002	3/8	49,383	3/8	41,767
1/2	110,177	1/2	102,558	1/2	94,939	1/2	87,320	1/2	79,701	1/2	72,082	1/2	64,463	1/2	56,844	1/2	49,225	1/2	41,608
5/8	110,018	5/8	102,399	5/8	94,780	5/8	87,161	5/8	79,542	5/8	71,923	5/8	64,304	5/8	56,685	5/8	49,066	5/8	41,449
3/4	109,860	3/4	102,240	3/4	94,621	3/4	87,002	3/4	79,383	3/4	71,764	3/4	64,145	3/4	56,526	3/4	48,907	3/4	41,291
7/8	109,701	7/8	102,082	7/8	94,463	7/8	86,844	7/8	79,225	7/8	71,606	7/8	63,987	7/8	56,367	7/8	48,748	7/8	41,132
1	109,542	7	101,923	1	94,304	7	86,685	1	79,066	7	71,447	1	63,828	7	56,209	1	48,590	7	40,973
1/8	109,383	1/8	101,764	1/8	94,145	1/8	86,526	1/8	78,907	1/8	71,288	1/8	63,669	1/8	56,050	1/8	48,431	1/8	40,815
1/4	109,225	1/4	101,606	1/4	93,986	1/4	86,367	1/4	78,748	1/4	71,129	1/4	63,510	1/4	55,891	1/4	48,272	1/4	40,656
3/8	109,066	3/8	101,447	3/8	93,828	3/8	86,209	3/8	78,590	3/8	70,971	3/8	63,352	3/8	55,733	3/8	48,114	3/8	40,497
1/2	108,907	1/2	101,288	1/2	93,669	1/2	86,050	1/2	78,431	1/2	70,812	1/2	63,193	1/2	55,574	1/2	47,955	1/2	40,339
5/8	108,748	5/8	101,129	5/8	93,510	5/8	85,891	5/8	78,272	5/8	70,653	5/8	63,034	5/8	55,415	5/8	47,796	5/8	40,180
3/4	108,590	3/4	100,971	3/4	93,352	3/4	85,733	3/4	78,113	3/4	70,494	3/4	62,875	3/4	55,256	3/4	47,638	3/4	40,021
7/8	108,431	7/8	100,812	7/8	93,193	7/8	85,574	7/8	77,955	7/8	70,336	7/8	62,717	7/8	55,098	7/8	47,479	7/8	39,863
2	108,272	8	100,653	2	93,034	8	85,415	2	77,796	8	70,177	2	62,558	8	54,939	2	47,320	8	39,704
1/8	108,113	1/8	100,494	1/8	92,875	1/8	85,256	1/8	77,637	1/8	70,018	1/8	62,399	1/8	54,780	1/8	47,162	1/8	39,545
1/4	107,955	1/4	100,336	1/4	92,717	1/4	85,098	1/4	77,479	1/4	69,860	1/4	62,240	1/4	54,621	1/4	47,003	1/4	39,387
3/8	107,796	3/8	100,177	3/8	92,558	3/8	84,939	3/8	77,320	3/8	69,701	3/8	62,082	3/8	54,463	3/8	46,844	3/8	39,228
1/2	107,637	1/2	100,018	1/2	92,399	1/2	84,780	1/2	77,161	1/2	69,542	1/2	61,923	1/2	54,304	1/2	46,686	1/2	39,069
5/8	107,479	5/8	99,860	5/8	92,240	5/8	84,621	5/8	77,002	5/8	69,383	5/8	61,764	5/8	54,145	5/8	46,527	5/8	38,911
3/4	107,320	3/4	99,701	3/4	92,082	3/4	84,463	3/4	76,844	3/4	69,225	3/4	61,606	3/4	53,987	3/4	46,368	3/4	38,752
7/8	107,161	7/8	99,542	7/8	91,923	7/8	84,304	7/8	76,685	7/8	69,066	7/8	61,447	7/8	53,828	7/8	46,210	7/8	38,593
3	107,002	9	99,383	3	91,764	9	84,145	3	76,526	9	68,907	3	61,288	9	53,669	3	46,051	9	38,435
1/8	106,844	1/8	99,225	1/8	91,606	1/8	83,987	1/8	76,367	1/8	68,748	1/8	61,129	1/8	53,510	1/8	45,892	1/8	38,276
1/4	106,685	1/4	99,066	1/4	91,447	1/4	83,828	1/4	76,209	1/4	68,590	1/4	60,971	1/4	53,352	1/4	45,734	1/4	38,117
3/8	106,526	3/8	98,907	3/8	91,288	3/8	83,669	3/8	76,050	3/8	68,431	3/8	60,812	3/8	53,193	3/8	45,575	3/8	37,959
1/2	106,367	1/2	98,748	1/2	91,129	1/2	83,510	1/2	75,891	1/2	68,272	1/2	60,653	1/2	53,034	1/2	45,416	1/2	37,800
5/8	106,209	5/8	98,590	5/8	90,971	5/8	83,352	5/8	75,733	5/8	68,114	5/8	60,494	5/8	52,875	5/8	45,258	5/8	37,641
3/4	106,050	3/4	98,431	3/4	90,812	3/4	83,193	3/4	75,574	3/4	67,955	3/4	60,336	3/4	52,717	3/4	45,099	3/4	37,483
7/8	105,891	7/8	98,272	7/8	90,653	7/8	83,034	7/8	75,415	7/8	67,796	7/8	60,177	7/8	52,558	7/8	44,940	7/8	37,324
4	105,733	10	98,113	4	90,494	10	82,875	4	75,256	10	67,637	4	60,018	10	52,399	4	44,781	10	37,165
1/8	105,574	1/8	97,955	1/8	90,336	1/8	82,717	1/8	75,098	1/8	67,479	1/8	59,860	1/8	52,240	1/8	44,623	1/8	37,007
1/4	105,415	1/4	97,796	1/4	90,177	1/4	82,558	1/4	74,939	1/4	67,320	1/4	59,701	1/4	52,082	1/4	44,464	1/4	36,848
3/8	105,256	3/8	97,637	3/8	90,018	3/8	82,399	3/8	74,780	3/8	67,161	3/8	59,542	3/8	51,923	3/8	44,305	3/8	36,689
1/2	105,098	1/2	97,479	1/2	89,860	1/2	82,240	1/2	74,621	1/2	67,002	1/2	59,383	1/2	51,764	1/2	44,147	1/2	36,530
5/8	104,939	5/8	97,320	5/8	89,701	5/8	82,082	5/8	74,463	5/8	66,844	5/8	59,225	5/8	51,606	5/8	43,988	5/8	36,372
3/4	104,780	3/4	97,161	3/4	89,542	3/4	81,923	3/4	74,304	3/4	66,685	3/4	59,066	3/4	51,447	3/4	43,829	3/4	36,213
7/8	104,621	7/8	97,002	7/8	89,383	7/8	81,764	7/8	74,145	7/8	66,526	7/8	58,907	7/8	51,288	7/8	43,671	7/8	36,054
5	104,463	11	96,844	5	89,225	11	81,606	5	73,987	11	66,367	5	58,748	11	51,129	5	43,512	11	35,896
1/8	104,304	1/8	96,685	1/8	89,066	1/8	81,447	1/8	73,828	1/8	66,209	1/8	58,590	1/8	50,971	1/8	43,353	1/8	35,737
1/4	104,145	1/4	96,526	1/4	88,907	1/4	81,288	1/4	73,669	1/4	66,050	1/4	58,431	1/4	50,812	1/4	43,195	1/4	35,578
3/8	103,986	3/8	96,367	3/8	88,748	3/8	81,129	3/8	73,510	3/8	65,891	3/8	58,272	3/8	50,653	3/8	43,036	3/8	35,420
1/2	103,828	1/2	96,209	1/2	88,590	1/2	80,971	1/2	73,352	1/2	65,733	1/2	58,114	1/2	50,494	1/2	42,877	1/2	35,261
5/8	103,669	5/8	96,050	5/8	88,431	5/8	80,812	5/8	73,193	5/8	65,574	5/8	57,955	5/8	50,336	5/8	42,719	5/8	35,102
3/4	103,510	3/4	95,891	3/4	88,272	3/4	80,653	3/4	73,034	3/4	65,415	3/4	57,796	3/4	50,177	3/4	42,560	3/4	34,944
7/8	103,352	7/8	95,733	7/8	88,113	7/8	80,494	7/8	72,875	7/8	65,256	7/8	57,637	7/8	50,018	7/8	42,401	7/8	34,785

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UTI)

NOTE: GAUGE POINT IS LOCATED 42" 0" FORWARD OF AFT BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

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.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	15 FT.	IN	15 FT.	IN	16 FT.	IN	16 FT.	IN	17 FT.	IN	17 FT.	IN	18 FT.	IN	18 FT.	IN	19 FT.	IN	19 FT.
0	34,626	6	27,008	0	19,389	6	11,771	0	4,064	6		0		6		0		6	
1/8	34,467	1/8	26,849	1/8	19,231	1/8	11,613	1/8	3,902	1/8		1/8		1/8		1/8		1/8	
1/4	34,309	1/4	26,690	1/4	19,072	1/4	11,454	1/4	3,743	1/4		1/4		1/4		1/4		1/4	
3/8	34,150	3/8	26,532	3/8	18,913	3/8	11,295	3/8	3,588	3/8		3/8		3/8		3/8		3/8	
1/2	33,991	1/2	26,373	1/2	18,755	1/2	11,136	1/2	3,436	1/2		1/2		1/2		1/2		1/2	
5/8	33,832	5/8	26,214	5/8	18,596	5/8	10,978	5/8	3,287	5/8		5/8		5/8		5/8		5/8	
3/4	33,674	3/4	26,055	3/4	18,437	3/4	10,819	3/4	3,141	3/4		3/4		3/4		3/4		3/4	
7/8	33,515	7/8	25,897	7/8	18,278	7/8	10,660	7/8	2,999	7/8		7/8		7/8		7/8		7/8	
1	33,356	7	25,738	1	18,120	7	10,502	1	2,860	7		1		7		1		7	
1/8	33,198	1/8	25,579	1/8	17,961	1/8	10,343	1/8	2,725	1/8		1/8		1/8		1/8		1/8	
1/4	33,039	1/4	25,421	1/4	17,802	1/4	10,184	1/4	2,592	1/4		1/4		1/4		1/4		1/4	
3/8	32,880	3/8	25,262	3/8	17,644	3/8	10,025	3/8	2,463	3/8		3/8		3/8		3/8		3/8	
1/2	32,721	1/2	25,103	1/2	17,485	1/2	9,867	1/2	2,338	1/2		1/2		1/2		1/2		1/2	
5/8	32,563	5/8	24,944	5/8	17,326	5/8	9,708	5/8	2,216	5/8		5/8		5/8		5/8		5/8	
3/4	32,404	3/4	24,786	3/4	17,168	3/4	9,549	3/4	2,097	3/4		3/4		3/4		3/4		3/4	
7/8	32,245	7/8	24,627	7/8	17,009	7/8	9,391	7/8	1,981	7/8		7/8		7/8		7/8		7/8	
2	32,086	8	24,468	2	16,850	8	9,232	2	1,868	8		2		8		2		8	
1/8	31,928	1/8	24,310	1/8	16,691	1/8	9,073	1/8	1,759	1/8		1/8		1/8		1/8		1/8	
1/4	31,769	1/4	24,151	1/4	16,533	1/4	8,914	1/4	1,654	1/4		1/4		1/4		1/4		1/4	
3/8	31,610	3/8	23,992	3/8	16,374	3/8	8,756	3/8	1,551	3/8		3/8		3/8		3/8		3/8	
1/2	31,452	1/2	23,833	1/2	16,215	1/2	8,597	1/2	1,452	1/2		1/2		1/2		1/2		1/2	
5/8	31,293	5/8	23,675	5/8	16,057	5/8	8,438	5/8	1,356	5/8		5/8		5/8		5/8		5/8	
3/4	31,134	3/4	23,516	3/4	15,898	3/4	8,280	3/4	1,263	3/4		3/4		3/4		3/4		3/4	
7/8	30,975	7/8	23,357	7/8	15,739	7/8	8,121	7/8	1,174	7/8		7/8		7/8		7/8		7/8	
3	30,817	9	23,199	3	15,580	9	7,962	3	1,088	9		3		9		3		9	
1/8	30,658	1/8	23,040	1/8	15,422	1/8	7,803	1/8	1,006	1/8		1/8		1/8		1/8		1/8	
1/4	30,499	1/4	22,881	1/4	15,263	1/4	7,645	1/4	926	1/4		1/4		1/4		1/4		1/4	
3/8	30,341	3/8	22,722	3/8	15,104	3/8	7,486	3/8	850	3/8		3/8		3/8		3/8		3/8	
1/2	30,182	1/2	22,564	1/2	14,946	1/2	7,327	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	30,023	5/8	22,405	5/8	14,787	5/8	7,169	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	29,864	3/4	22,246	3/4	14,628	3/4	7,010	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	29,706	7/8	22,088	7/8	14,469	7/8	6,851	7/8		7/8		7/8		7/8		7/8		7/8	
4	29,547	10	21,929	4	14,311	10	6,692	4		10		4		10		4		10	
1/8	29,388	1/8	21,770	1/8	14,152	1/8	6,534	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	29,230	1/4	21,611	1/4	13,993	1/4	6,375	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	29,071	3/8	21,453	3/8	13,835	3/8	6,216	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	28,912	1/2	21,294	1/2	13,676	1/2	6,058	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	28,754	5/8	21,135	5/8	13,517	5/8	5,899	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	28,595	3/4	20,977	3/4	13,358	3/4	5,740	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	28,436	7/8	20,818	7/8	13,200	7/8	5,581	7/8		7/8		7/8		7/8		7/8		7/8	
5	28,277	11	20,659	5	13,041	11	5,423	5		11		5		11		5		11	
1/8	28,119	1/8	20,500	1/8	12,882	1/8	5,264	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	27,960	1/4	20,342	1/4	12,724	1/4	5,105	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	27,801	3/8	20,183	3/8	12,565	3/8	4,923	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	27,643	1/2	20,024	1/2	12,406	1/2	4,745	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	27,484	5/8	19,866	5/8	12,247	5/8	4,570	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	27,325	3/4	19,707	3/4	12,089	3/4	4,398	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	27,166	7/8	19,548	7/8	11,930	7/8	4,229	7/8		7/8		7/8		7/8		7/8		7/8	

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UTI)

NOTE: GAUGE POINT IS LOCATED 42" 0" FORWARD OF AFT BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

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.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	FT.	IN	FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0		6		0		6		0		6	223,540	0	217,770	6	210,169	0	202,568	6	194,939
1/8		1/8		1/8		1/8		1/8		1/8	223,490	1/8	217,611	1/8	210,011	1/8	202,410	1/8	194,780
1/4		1/4		1/4		1/4		1/4		1/4	223,437	1/4	217,453	1/4	209,852	1/4	202,251	1/4	194,621
3/8		3/8		3/8		3/8		3/8		3/8	223,380	3/8	217,295	3/8	209,694	3/8	202,092	3/8	194,462
1/2		1/2		1/2		1/2		1/2		1/2	223,320	1/2	217,136	1/2	209,535	1/2	201,933	1/2	194,303
5/8		5/8		5/8		5/8		5/8		5/8	223,257	5/8	216,978	5/8	209,377	5/8	201,774	5/8	194,144
3/4		3/4		3/4		3/4		3/4		3/4	223,191	3/4	216,819	3/4	209,219	3/4	201,615	3/4	193,985
7/8		7/8		7/8		7/8		7/8		7/8	223,121	7/8	216,661	7/8	209,060	7/8	201,456	7/8	193,826
1		7		1		7		1		7	223,048	1	216,503	7	208,902	1	201,297	7	193,667
1/8		1/8		1/8		1/8		1/8		1/8	222,972	1/8	216,344	1/8	208,744	1/8	201,138	1/8	193,508
1/4		1/4		1/4		1/4		1/4		1/4	222,892	1/4	216,186	1/4	208,585	1/4	200,979	1/4	193,349
3/8		3/8		3/8		3/8		3/8		3/8	222,809	3/8	216,028	3/8	208,427	3/8	200,820	3/8	193,190
1/2		1/2		1/2		1/2		1/2		1/2	222,723	1/2	215,869	1/2	208,269	1/2	200,661	1/2	193,031
5/8		5/8		5/8		5/8		5/8		5/8	222,633	5/8	215,711	5/8	208,110	5/8	200,503	5/8	192,872
3/4		3/4		3/4		3/4		3/4		3/4	222,540	3/4	215,553	3/4	207,952	3/4	200,344	3/4	192,713
7/8		7/8		7/8		7/8		7/8		7/8	222,444	7/8	215,394	7/8	207,794	7/8	200,185	7/8	192,555
2		8		2		8		2		8	222,344	2	215,236	8	207,635	2	200,026	8	192,396
1/8		1/8		1/8		1/8		1/8		1/8	222,241	1/8	215,077	1/8	207,477	1/8	199,867	1/8	192,237
1/4		1/4		1/4		1/4		1/4		1/4	222,135	1/4	214,919	1/4	207,319	1/4	199,708	1/4	192,078
3/8		3/8		3/8		3/8		3/8		3/8	222,026	3/8	214,761	3/8	207,160	3/8	199,549	3/8	191,919
1/2		1/2		1/2		1/2		1/2		1/2	221,913	1/2	214,602	1/2	207,002	1/2	199,390	1/2	191,760
5/8		5/8		5/8		5/8		5/8		5/8	221,797	5/8	214,444	5/8	206,844	5/8	199,231	5/8	191,601
3/4		3/4		3/4		3/4		3/4		3/4	221,677	3/4	214,286	3/4	206,685	3/4	199,072	3/4	191,442
7/8		7/8		7/8		7/8		7/8		7/8	221,555	7/8	214,127	7/8	206,527	7/8	198,913	7/8	191,283
3		9		3		9		3		9	221,429	3	213,969	9	206,369	3	198,754	9	191,124
1/8		1/8		1/8		1/8		1/8		1/8	221,299	1/8	213,811	1/8	206,210	1/8	198,595	1/8	190,965
1/4		1/4		1/4		1/4		1/4		1/4	221,167	1/4	213,652	1/4	206,052	1/4	198,436	1/4	190,806
3/8		3/8		3/8		3/8		3/8		3/8	221,031	3/8	213,494	3/8	205,894	3/8	198,277	3/8	190,647
1/2		1/2		1/2		1/2		1/2		1/2	220,891	1/2	213,336	1/2	205,735	1/2	198,118	1/2	190,488
5/8		5/8		5/8		5/8		5/8		5/8	220,749	5/8	213,177	5/8	205,577	5/8	197,959	5/8	190,329
3/4		3/4		3/4		3/4		3/4		3/4	220,603	3/4	213,019	3/4	205,419	3/4	197,800	3/4	190,170
7/8		7/8		7/8		7/8		7/8		7/8	220,454	7/8	212,861	7/8	205,260	7/8	197,641	7/8	190,011
4		10		4		10		4		10	220,301	4	212,702	10	205,102	4	197,482	10	189,852
1/8		1/8		1/8		1/8		1/8	223,900	1/8	220,145	1/8	212,544	1/8	204,944	1/8	197,323	1/8	189,693
1/4		1/4		1/4		1/4		1/4	223,899	1/4	219,987	1/4	212,386	1/4	204,785	1/4	197,164	1/4	189,534
3/8		3/8		3/8		3/8		3/8	223,895	3/8	219,829	3/8	212,227	3/8	204,627	3/8	197,005	3/8	189,375
1/2		1/2		1/2		1/2		1/2	223,888	1/2	219,670	1/2	212,069	1/2	204,469	1/2	196,846	1/2	189,216
5/8		5/8		5/8		5/8		5/8	223,877	5/8	219,512	5/8	211,911	5/8	204,310	5/8	196,687	5/8	189,057
3/4		3/4		3/4		3/4		3/4	223,863	3/4	219,353	3/4	211,752	3/4	204,152	3/4	196,529	3/4	188,898
7/8		7/8		7/8		7/8		7/8	223,845	7/8	219,195	7/8	211,594	7/8	203,993	7/8	196,370	7/8	188,739
5		11		5		11		5	223,825	11	219,037	5	211,436	11	203,835	5	196,211	11	188,580
1/8		1/8		1/8		1/8		1/8	223,801	1/8	218,878	1/8	211,277	1/8	203,677	1/8	196,052	1/8	188,422
1/4		1/4		1/4		1/4		1/4	223,774	1/4	218,720	1/4	211,119	1/4	203,518	1/4	195,893	1/4	188,263
3/8		3/8		3/8		3/8		3/8	223,743	3/8	218,562	3/8	210,961	3/8	203,360	3/8	195,734	3/8	188,104
1/2		1/2		1/2		1/2		1/2	223,709	1/2	218,403	1/2	210,802	1/2	203,202	1/2	195,575	1/2	187,945
5/8		5/8		5/8		5/8		5/8	223,672	5/8	218,245	5/8	210,644	5/8	203,043	5/8	195,416	5/8	187,786
3/4		3/4		3/4		3/4		3/4	223,631	3/4	218,087	3/4	210,486	3/4	202,885	3/4	195,257	3/4	187,627
7/8		7/8		7/8		7/8		7/8	223,587	7/8	217,928	7/8	210,327	7/8	202,727	7/8	195,098	7/8	187,468

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UT)

NOTE: GAUGE POINT IS LOCATED 42' 0" FORWARD OF AFT BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

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.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	187,309	6	179,679	0	172,049	6	164,418	0	156,788	6	149,158	0	141,528	6	133,898	0	126,268	6	118,637
1/8	187,150	1/8	179,520	1/8	171,890	1/8	164,260	1/8	156,629	1/8	148,999	1/8	141,369	1/8	133,739	1/8	126,109	1/8	118,478
1/4	186,991	1/4	179,361	1/4	171,731	1/4	164,101	1/4	156,470	1/4	148,840	1/4	141,210	1/4	133,580	1/4	125,950	1/4	118,319
3/8	186,832	3/8	179,202	3/8	171,572	3/8	163,942	3/8	156,311	3/8	148,681	3/8	141,051	3/8	133,421	3/8	125,791	3/8	118,159
1/2	186,673	1/2	179,043	1/2	171,413	1/2	163,783	1/2	156,153	1/2	148,522	1/2	140,892	1/2	133,262	1/2	125,632	1/2	118,000
5/8	186,514	5/8	178,884	5/8	171,254	5/8	163,624	5/8	155,994	5/8	148,363	5/8	140,733	5/8	133,103	5/8	125,473	5/8	117,841
3/4	186,355	3/4	178,725	3/4	171,095	3/4	163,465	3/4	155,835	3/4	148,204	3/4	140,574	3/4	132,944	3/4	125,314	3/4	117,682
7/8	186,196	7/8	178,566	7/8	170,936	7/8	163,306	7/8	155,676	7/8	148,046	7/8	140,415	7/8	132,785	7/8	125,155	7/8	117,523
1	186,037	7	178,407	1	170,777	7	163,147	1	155,517	7	147,887	1	140,256	7	132,626	1	124,996	7	117,364
1/8	185,878	1/8	178,248	1/8	170,618	1/8	162,988	1/8	155,358	1/8	147,728	1/8	140,097	1/8	132,467	1/8	124,837	1/8	117,205
1/4	185,719	1/4	178,089	1/4	170,459	1/4	162,829	1/4	155,199	1/4	147,569	1/4	139,939	1/4	132,308	1/4	124,678	1/4	117,046
3/8	185,560	3/8	177,930	3/8	170,300	3/8	162,670	3/8	155,040	3/8	147,410	3/8	139,780	3/8	132,149	3/8	124,519	3/8	116,887
1/2	185,401	1/2	177,771	1/2	170,141	1/2	162,511	1/2	154,881	1/2	147,251	1/2	139,621	1/2	131,990	1/2	124,360	1/2	116,728
5/8	185,242	5/8	177,612	5/8	169,982	5/8	162,352	5/8	154,722	5/8	147,092	5/8	139,462	5/8	131,832	5/8	124,201	5/8	116,569
3/4	185,083	3/4	177,453	3/4	169,823	3/4	162,193	3/4	154,563	3/4	146,933	3/4	139,303	3/4	131,673	3/4	124,042	3/4	116,410
7/8	184,924	7/8	177,294	7/8	169,664	7/8	162,034	7/8	154,404	7/8	146,774	7/8	139,144	7/8	131,514	7/8	123,884	7/8	116,251
2	184,765	8	177,135	2	169,505	8	161,875	2	154,245	8	146,615	2	138,985	8	131,355	2	123,725	8	116,092
1/8	184,606	1/8	176,976	1/8	169,346	1/8	161,716	1/8	154,086	1/8	146,456	1/8	138,826	1/8	131,196	1/8	123,566	1/8	115,933
1/4	184,448	1/4	176,817	1/4	169,187	1/4	161,557	1/4	153,927	1/4	146,297	1/4	138,667	1/4	131,037	1/4	123,407	1/4	115,774
3/8	184,289	3/8	176,658	3/8	169,028	3/8	161,398	3/8	153,768	3/8	146,138	3/8	138,508	3/8	130,878	3/8	123,248	3/8	115,615
1/2	184,130	1/2	176,499	1/2	168,869	1/2	161,239	1/2	153,609	1/2	145,979	1/2	138,349	1/2	130,719	1/2	123,089	1/2	115,456
5/8	183,971	5/8	176,341	5/8	168,710	5/8	161,080	5/8	153,450	5/8	145,820	5/8	138,190	5/8	130,560	5/8	122,930	5/8	115,297
3/4	183,812	3/4	176,182	3/4	168,551	3/4	160,921	3/4	153,291	3/4	145,661	3/4	138,031	3/4	130,401	3/4	122,771	3/4	115,138
7/8	183,653	7/8	176,023	7/8	168,392	7/8	160,762	7/8	153,132	7/8	145,502	7/8	137,872	7/8	130,242	7/8	122,612	7/8	114,979
3	183,494	9	175,864	3	168,234	9	160,603	3	152,973	9	145,343	3	137,713	9	130,083	3	122,453	9	114,820
1/8	183,335	1/8	175,705	1/8	168,075	1/8	160,444	1/8	152,814	1/8	145,184	1/8	137,554	1/8	129,924	1/8	122,294	1/8	114,661
1/4	183,176	1/4	175,546	1/4	167,916	1/4	160,285	1/4	152,655	1/4	145,025	1/4	137,395	1/4	129,765	1/4	122,135	1/4	114,502
3/8	183,017	3/8	175,387	3/8	167,757	3/8	160,127	3/8	152,496	3/8	144,866	3/8	137,236	3/8	129,606	3/8	121,976	3/8	114,343
1/2	182,858	1/2	175,228	1/2	167,598	1/2	159,968	1/2	152,337	1/2	144,707	1/2	137,077	1/2	129,447	1/2	121,817	1/2	114,184
5/8	182,699	5/8	175,069	5/8	167,439	5/8	159,809	5/8	152,178	5/8	144,548	5/8	136,918	5/8	129,288	5/8	121,658	5/8	114,025
3/4	182,540	3/4	174,910	3/4	167,280	3/4	159,650	3/4	152,020	3/4	144,389	3/4	136,759	3/4	129,129	3/4	121,499	3/4	113,866
7/8	182,381	7/8	174,751	7/8	167,121	7/8	159,491	7/8	151,861	7/8	144,230	7/8	136,600	7/8	128,970	7/8	121,340	7/8	113,707
4	182,222	10	174,592	4	166,962	10	159,332	4	151,702	10	144,072	4	136,441	10	128,811	4	121,181	10	113,548
1/8	182,063	1/8	174,433	1/8	166,803	1/8	159,173	1/8	151,543	1/8	143,913	1/8	136,282	1/8	128,652	1/8	121,022	1/8	113,389
1/4	181,904	1/4	174,274	1/4	166,644	1/4	159,014	1/4	151,384	1/4	143,754	1/4	136,123	1/4	128,493	1/4	120,863	1/4	113,230
3/8	181,745	3/8	174,115	3/8	166,485	3/8	158,855	3/8	151,225	3/8	143,595	3/8	135,965	3/8	128,334	3/8	120,704	3/8	113,071
1/2	181,586	1/2	173,956	1/2	166,326	1/2	158,696	1/2	151,066	1/2	143,436	1/2	135,806	1/2	128,175	1/2	120,545	1/2	112,912
5/8	181,427	5/8	173,797	5/8	166,167	5/8	158,537	5/8	150,907	5/8	143,277	5/8	135,647	5/8	128,016	5/8	120,386	5/8	112,753
3/4	181,268	3/4	173,638	3/4	166,008	3/4	158,378	3/4	150,748	3/4	143,118	3/4	135,488	3/4	127,858	3/4	120,227	3/4	112,594
7/8	181,109	7/8	173,479	7/8	165,849	7/8	158,219	7/8	150,589	7/8	142,959	7/8	135,329	7/8	127,699	7/8	120,068	7/8	112,435
5	180,950	11	173,320	5	165,690	11	158,060	5	150,430	11	142,800	5	135,170	11	127,540	5	119,909	11	112,276
1/8	180,791	1/8	173,161	1/8	165,531	1/8	157,901	1/8	150,271	1/8	142,641	1/8	135,011	1/8	127,381	1/8	119,750	1/8	112,117
1/4	180,632	1/4	173,002	1/4	165,372	1/4	157,742	1/4	150,112	1/4	142,482	1/4	134,852	1/4	127,222	1/4	119,591	1/4	111,958
3/8	180,473	3/8	172,843	3/8	165,213	3/8	157,583	3/8	149,953	3/8	142,323	3/8	134,693	3/8	127,063	3/8	119,432	3/8	111,799
1/2	180,315	1/2	172,684	1/2	165,054	1/2	157,424	1/2	149,794	1/2	142,164	1/2	134,534	1/2	126,904	1/2	119,273	1/2	111,640
5/8	180,156	5/8	172,525	5/8	164,895	5/8	157,265	5/8	149,635	5/8	142,005	5/8	134,375	5/8	126,745	5/8	119,114	5/8	111,481
3/4	179,997	3/4	172,367	3/4	164,736	3/4	157,106	3/4	149,476	3/4	141,846	3/4	134,216	3/4	126,586	3/4	118,955	3/4	111,322
7/8	179,838	7/8	172,208	7/8	164,577	7/8	156,947	7/8	149,317	7/8	141,687	7/8	134,057	7/8	126,427	7/8	118,796	7/8	111,163

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UT)

NOTE: GAUGE POINT IS LOCATED 42' 0" FORWARD OF AFT BULKHEAD; 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE.

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.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	111,004	6	103,371	0	95,738	6	88,105	0	80,473	6	72,840	0	65,207	6	57,574	0	49,942	6	42,314
1/8	110,845	1/8	103,212	1/8	95,579	1/8	87,946	1/8	80,314	1/8	72,681	1/8	65,048	1/8	57,415	1/8	49,783	1/8	42,155
1/4	110,686	1/4	103,053	1/4	95,420	1/4	87,787	1/4	80,155	1/4	72,522	1/4	64,889	1/4	57,256	1/4	49,624	1/4	41,996
3/8	110,527	3/8	102,894	3/8	95,261	3/8	87,628	3/8	79,996	3/8	72,363	3/8	64,730	3/8	57,097	3/8	49,465	3/8	41,837
1/2	110,368	1/2	102,735	1/2	95,102	1/2	87,469	1/2	79,837	1/2	72,204	1/2	64,571	1/2	56,938	1/2	49,306	1/2	41,679
5/8	110,209	5/8	102,576	5/8	94,943	5/8	87,310	5/8	79,678	5/8	72,045	5/8	64,412	5/8	56,779	5/8	49,147	5/8	41,520
3/4	110,050	3/4	102,417	3/4	94,784	3/4	87,151	3/4	79,519	3/4	71,886	3/4	64,253	3/4	56,620	3/4	48,988	3/4	41,361
7/8	109,891	7/8	102,258	7/8	94,625	7/8	86,992	7/8	79,360	7/8	71,727	7/8	64,094	7/8	56,461	7/8	48,829	7/8	41,202
1	109,732	7	102,099	1	94,466	7	86,833	1	79,201	7	71,568	1	63,935	7	56,302	1	48,670	7	41,043
1/8	109,573	1/8	101,940	1/8	94,307	1/8	86,674	1/8	79,042	1/8	71,409	1/8	63,776	1/8	56,143	1/8	48,511	1/8	40,884
1/4	109,414	1/4	101,781	1/4	94,148	1/4	86,515	1/4	78,883	1/4	71,250	1/4	63,617	1/4	55,984	1/4	48,352	1/4	40,725
3/8	109,255	3/8	101,622	3/8	93,989	3/8	86,356	3/8	78,724	3/8	71,091	3/8	63,458	3/8	55,825	3/8	48,193	3/8	40,566
1/2	109,096	1/2	101,463	1/2	93,830	1/2	86,197	1/2	78,565	1/2	70,932	1/2	63,299	1/2	55,666	1/2	48,034	1/2	40,408
5/8	108,937	5/8	101,304	5/8	93,671	5/8	86,038	5/8	78,406	5/8	70,773	5/8	63,140	5/8	55,507	5/8	47,875	5/8	40,249
3/4	108,778	3/4	101,145	3/4	93,512	3/4	85,879	3/4	78,247	3/4	70,614	3/4	62,981	3/4	55,348	3/4	47,716	3/4	40,090
7/8	108,619	7/8	100,986	7/8	93,353	7/8	85,720	7/8	78,087	7/8	70,455	7/8	62,822	7/8	55,189	7/8	47,557	7/8	39,931
2	108,460	8	100,827	2	93,194	8	85,561	2	77,928	8	70,296	2	62,663	8	55,030	2	47,398	8	39,772
1/8	108,301	1/8	100,668	1/8	93,035	1/8	85,402	1/8	77,769	1/8	70,137	1/8	62,504	1/8	54,871	1/8	47,239	1/8	39,613
1/4	108,141	1/4	100,509	1/4	92,876	1/4	85,243	1/4	77,610	1/4	69,978	1/4	62,345	1/4	54,712	1/4	47,081	1/4	39,454
3/8	107,982	3/8	100,350	3/8	92,717	3/8	85,084	3/8	77,451	3/8	69,819	3/8	62,186	3/8	54,553	3/8	46,922	3/8	39,295
1/2	107,823	1/2	100,191	1/2	92,558	1/2	84,925	1/2	77,292	1/2	69,660	1/2	62,027	1/2	54,394	1/2	46,763	1/2	39,136
5/8	107,664	5/8	100,032	5/8	92,399	5/8	84,766	5/8	77,133	5/8	69,501	5/8	61,868	5/8	54,235	5/8	46,604	5/8	38,978
3/4	107,505	3/4	99,873	3/4	92,240	3/4	84,607	3/4	76,974	3/4	69,342	3/4	61,709	3/4	54,076	3/4	46,445	3/4	38,819
7/8	107,346	7/8	99,714	7/8	92,081	7/8	84,448	7/8	76,815	7/8	69,183	7/8	61,550	7/8	53,917	7/8	46,286	7/8	38,660
3	107,187	9	99,555	3	91,922	9	84,289	3	76,656	9	69,024	3	61,391	9	53,758	3	46,127	9	38,501
1/8	107,028	1/8	99,396	1/8	91,763	1/8	84,130	1/8	76,497	1/8	68,865	1/8	61,232	1/8	53,599	1/8	45,968	1/8	38,342
1/4	106,869	1/4	99,237	1/4	91,604	1/4	83,971	1/4	76,338	1/4	68,706	1/4	61,073	1/4	53,440	1/4	45,810	1/4	38,183
3/8	106,710	3/8	99,078	3/8	91,445	3/8	83,812	3/8	76,179	3/8	68,547	3/8	60,914	3/8	53,281	3/8	45,651	3/8	38,024
1/2	106,551	1/2	98,919	1/2	91,286	1/2	83,653	1/2	76,020	1/2	68,388	1/2	60,755	1/2	53,122	1/2	45,492	1/2	37,865
5/8	106,392	5/8	98,760	5/8	91,127	5/8	83,494	5/8	75,861	5/8	68,229	5/8	60,596	5/8	52,963	5/8	45,333	5/8	37,707
3/4	106,233	3/4	98,601	3/4	90,968	3/4	83,335	3/4	75,702	3/4	68,069	3/4	60,437	3/4	52,804	3/4	45,174	3/4	37,548
7/8	106,074	7/8	98,442	7/8	90,809	7/8	83,176	7/8	75,543	7/8	67,910	7/8	60,278	7/8	52,645	7/8	45,015	7/8	37,389
4	105,915	10	98,283	4	90,650	10	83,017	4	75,384	10	67,751	4	60,119	10	52,486	4	44,856	10	37,230
1/8	105,756	1/8	98,123	1/8	90,491	1/8	82,858	1/8	75,225	1/8	67,592	1/8	59,960	1/8	52,327	1/8	44,697	1/8	37,071
1/4	105,597	1/4	97,964	1/4	90,332	1/4	82,699	1/4	75,066	1/4	67,433	1/4	59,801	1/4	52,168	1/4	44,538	1/4	36,912
3/8	105,438	3/8	97,805	3/8	90,173	3/8	82,540	3/8	74,907	3/8	67,274	3/8	59,642	3/8	52,009	3/8	44,380	3/8	36,753
1/2	105,279	1/2	97,646	1/2	90,014	1/2	82,381	1/2	74,748	1/2	67,115	1/2	59,483	1/2	51,850	1/2	44,221	1/2	36,594
5/8	105,120	5/8	97,487	5/8	89,855	5/8	82,222	5/8	74,589	5/8	66,956	5/8	59,324	5/8	51,691	5/8	44,062	5/8	36,435
3/4	104,961	3/4	97,328	3/4	89,696	3/4	82,063	3/4	74,430	3/4	66,797	3/4	59,165	3/4	51,532	3/4	43,903	3/4	36,277
7/8	104,802	7/8	97,169	7/8	89,537	7/8	81,904	7/8	74,271	7/8	66,638	7/8	59,006	7/8	51,373	7/8	43,744	7/8	36,118
5	104,643	11	97,010	5	89,378	11	81,745	5	74,112	11	66,479	5	58,847	11	51,214	5	43,585	11	35,959
1/8	104,484	1/8	96,851	1/8	89,219	1/8	81,586	1/8	73,953	1/8	66,320	1/8	58,688	1/8	51,055	1/8	43,426	1/8	35,800
1/4	104,325	1/4	96,692	1/4	89,060	1/4	81,427	1/4	73,794	1/4	66,161	1/4	58,529	1/4	50,896	1/4	43,267	1/4	35,641
3/8	104,166	3/8	96,533	3/8	88,901	3/8	81,268	3/8	73,635	3/8	66,002	3/8	58,370	3/8	50,737	3/8	43,109	3/8	35,482
1/2	104,007	1/2	96,374	1/2	88,742	1/2	81,109	1/2	73,476	1/2	65,843	1/2	58,211	1/2	50,578	1/2	42,950	1/2	35,323
5/8	103,848	5/8	96,215	5/8	88,583	5/8	80,950	5/8	73,317	5/8	65,684	5/8	58,051	5/8	50,419	5/8	42,791	5/8	35,164
3/4	103,689	3/4	96,056	3/4	88,424	3/4	80,791	3/4	73,158	3/4	65,525	3/4	57,892	3/4	50,260	3/4	42,632	3/4	35,005
7/8	103,530	7/8	95,897	7/8	88,265	7/8	80,632	7/8	72,999	7/8	65,366	7/8	57,733	7/8	50,101	7/8	42,473	7/8	34,846

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UT)

NOTE: GAUGE POINT IS LOCATED 42' 0" FORWARD OF AFT BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

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.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration



GAUGE HEIGHT: 17'-3 3/8"

CAPACITIES GIVEN IN U.S. GALLONS

IN	15 FT.	IN	15 FT.	IN	16 FT.	IN	16 FT.	IN	17 FT.	IN	17 FT.	IN	18 FT.	IN	18 FT.	IN	19 FT.	IN	19 FT.
0	34,688	6	27,056	0	19,424	6	11,792	0	4,071	6		0		6		0		6	
1/8	34,529	1/8	26,897	1/8	19,265	1/8	11,633	1/8	3,909	1/8		1/8		1/8		1/8		1/8	
1/4	34,370	1/4	26,738	1/4	19,106	1/4	11,474	1/4	3,750	1/4		1/4		1/4		1/4		1/4	
3/8	34,211	3/8	26,579	3/8	18,947	3/8	11,315	3/8	3,594	3/8		3/8		3/8		3/8		3/8	
1/2	34,052	1/2	26,420	1/2	18,788	1/2	11,156	1/2	3,442	1/2		1/2		1/2		1/2		1/2	
5/8	33,893	5/8	26,261	5/8	18,629	5/8	10,997	5/8	3,293	5/8		5/8		5/8		5/8		5/8	
3/4	33,734	3/4	26,102	3/4	18,470	3/4	10,838	3/4	3,147	3/4		3/4		3/4		3/4		3/4	
7/8	33,575	7/8	25,943	7/8	18,311	7/8	10,679	7/8	3,004	7/8		7/8		7/8		7/8		7/8	
1	33,416	7	25,784	1	18,152	7	10,520	1	2,865	7		1		7		1		7	
1/8	33,257	1/8	25,625	1/8	17,993	1/8	10,361	1/8	2,730	1/8		1/8		1/8		1/8		1/8	
1/4	33,098	1/4	25,466	1/4	17,834	1/4	10,202	1/4	2,597	1/4		1/4		1/4		1/4		1/4	
3/8	32,939	3/8	25,307	3/8	17,675	3/8	10,043	3/8	2,468	3/8		3/8		3/8		3/8		3/8	
1/2	32,780	1/2	25,148	1/2	17,516	1/2	9,884	1/2	2,342	1/2		1/2		1/2		1/2		1/2	
5/8	32,621	5/8	24,989	5/8	17,357	5/8	9,725	5/8	2,219	5/8		5/8		5/8		5/8		5/8	
3/4	32,462	3/4	24,830	3/4	17,198	3/4	9,566	3/4	2,100	3/4		3/4		3/4		3/4		3/4	
7/8	32,303	7/8	24,671	7/8	17,039	7/8	9,407	7/8	1,984	7/8		7/8		7/8		7/8		7/8	
2	32,144	8	24,512	2	16,880	8	9,248	2	1,872	8		2		8		2		8	
1/8	31,985	1/8	24,353	1/8	16,721	1/8	9,089	1/8	1,762	1/8		1/8		1/8		1/8		1/8	
1/4	31,826	1/4	24,194	1/4	16,562	1/4	8,930	1/4	1,656	1/4		1/4		1/4		1/4		1/4	
3/8	31,667	3/8	24,035	3/8	16,403	3/8	8,771	3/8	1,554	3/8		3/8		3/8		3/8		3/8	
1/2	31,508	1/2	23,876	1/2	16,244	1/2	8,612	1/2	1,454	1/2		1/2		1/2		1/2		1/2	
5/8	31,349	5/8	23,717	5/8	16,085	5/8	8,453	5/8	1,358	5/8		5/8		5/8		5/8		5/8	
3/4	31,190	3/4	23,558	3/4	15,926	3/4	8,294	3/4	1,266	3/4		3/4		3/4		3/4		3/4	
7/8	31,031	7/8	23,399	7/8	15,767	7/8	8,135	7/8	1,176	7/8		7/8		7/8		7/8		7/8	
3	30,872	9	23,240	3	15,608	9	7,976	3	1,090	9		3		9		3		9	
1/8	30,713	1/8	23,081	1/8	15,449	1/8	7,817	1/8	1,007	1/8		1/8		1/8		1/8		1/8	
1/4	30,554	1/4	22,922	1/4	15,290	1/4	7,659	1/4	928	1/4		1/4		1/4		1/4		1/4	
3/8	30,395	3/8	22,763	3/8	15,131	3/8	7,500	3/8	852	3/8		3/8		3/8		3/8		3/8	
1/2	30,236	1/2	22,604	1/2	14,972	1/2	7,341	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	30,077	5/8	22,445	5/8	14,813	5/8	7,182	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	29,918	3/4	22,286	3/4	14,654	3/4	7,023	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	29,759	7/8	22,127	7/8	14,495	7/8	6,864	7/8		7/8		7/8		7/8		7/8		7/8	
4	29,600	10	21,968	4	14,336	10	6,705	4		10		4		10		4		10	
1/8	29,441	1/8	21,809	1/8	14,177	1/8	6,546	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	29,282	1/4	21,650	1/4	14,018	1/4	6,387	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	29,123	3/8	21,491	3/8	13,859	3/8	6,228	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	28,964	1/2	21,332	1/2	13,700	1/2	6,069	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	28,805	5/8	21,173	5/8	13,541	5/8	5,910	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	28,646	3/4	21,014	3/4	13,382	3/4	5,751	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	28,487	7/8	20,855	7/8	13,223	7/8	5,592	7/8		7/8		7/8		7/8		7/8		7/8	
5	28,328	11	20,696	5	13,064	11	5,433	5		11		5		11		5		11	
1/8	28,169	1/8	20,537	1/8	12,905	1/8	5,274	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	28,010	1/4	20,378	1/4	12,746	1/4	5,115	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	27,851	3/8	20,219	3/8	12,587	3/8	4,932	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	27,692	1/2	20,060	1/2	12,428	1/2	4,753	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	27,533	5/8	19,901	5/8	12,269	5/8	4,578	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	27,374	3/4	19,742	3/4	12,110	3/4	4,406	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	27,215	7/8	19,583	7/8	11,951	7/8	4,237	7/8		7/8		7/8		7/8		7/8		7/8	

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UT)

NOTE: GAUGE POINT IS LOCATED 42" FORWARD OF AFT BULKHEAD: 10" 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

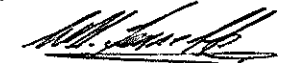
THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES
OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration



CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	FT.	IN	FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0		6		0		6		0		6	222,302	0	216,563	6	209,005	0	201,447	0	193,860
1/8		1/8		1/8		1/8		1/8		1/8	222,251	1/8	216,406	1/8	208,848	1/8	201,290	1/8	193,702
1/4		1/4		1/4		1/4		1/4		1/4	222,199	1/4	216,249	1/4	208,690	1/4	201,132	1/4	193,544
3/8		3/8		3/8		3/8		3/8		3/8	222,142	3/8	216,091	3/8	208,533	3/8	200,974	3/8	193,386
1/2		1/2		1/2		1/2		1/2		1/2	222,083	1/2	215,933	1/2	208,375	1/2	200,816	1/2	193,228
5/8		5/8		5/8		5/8		5/8		5/8	222,020	5/8	215,776	5/8	208,218	5/8	200,657	5/8	193,070
3/4		3/4		3/4		3/4		3/4		3/4	221,954	3/4	215,618	3/4	208,060	3/4	200,499	3/4	192,912
7/8		7/8		7/8		7/8		7/8		7/8	221,885	7/8	215,461	7/8	207,903	7/8	200,341	7/8	192,754
1		7		1		7		1		7	221,812	1	215,303	7	207,745	1	200,183	1	192,596
1/8		1/8		1/8		1/8		1/8		1/8	221,736	1/8	215,146	1/8	207,588	1/8	200,025	1/8	192,438
1/4		1/4		1/4		1/4		1/4		1/4	221,657	1/4	214,988	1/4	207,431	1/4	199,867	1/4	192,279
3/8		3/8		3/8		3/8		3/8		3/8	221,574	3/8	214,831	3/8	207,273	3/8	199,709	3/8	192,121
1/2		1/2		1/2		1/2		1/2		1/2	221,489	1/2	214,674	1/2	207,116	1/2	199,551	1/2	191,963
5/8		5/8		5/8		5/8		5/8		5/8	221,399	5/8	214,516	5/8	206,958	5/8	199,393	5/8	191,805
3/4		3/4		3/4		3/4		3/4		3/4	221,307	3/4	214,359	3/4	206,801	3/4	199,235	3/4	191,647
7/8		7/8		7/8		7/8		7/8		7/8	221,211	7/8	214,201	7/8	206,643	7/8	199,077	7/8	191,489
2		8		2		8		2		8	221,112	2	214,044	8	206,486	2	198,919	2	191,331
1/8		1/8		1/8		1/8		1/8		1/8	221,010	1/8	213,886	1/8	206,328	1/8	198,761	1/8	191,173
1/4		1/4		1/4		1/4		1/4		1/4	220,904	1/4	213,729	1/4	206,171	1/4	198,602	1/4	191,015
3/8		3/8		3/8		3/8		3/8		3/8	220,796	3/8	213,571	3/8	206,013	3/8	198,444	3/8	190,857
1/2		1/2		1/2		1/2		1/2		1/2	220,683	1/2	213,414	1/2	205,856	1/2	198,286	1/2	190,699
5/8		5/8		5/8		5/8		5/8		5/8	220,568	5/8	213,256	5/8	205,699	5/8	198,128	5/8	190,541
3/4		3/4		3/4		3/4		3/4		3/4	220,449	3/4	213,099	3/4	205,541	3/4	197,970	3/4	190,383
7/8		7/8		7/8		7/8		7/8		7/8	220,327	7/8	212,942	7/8	205,384	7/8	197,812	7/8	190,225
3		9		3		9		3		9	220,202	3	212,784	9	205,226	3	197,654	3	190,066
1/8		1/8		1/8		1/8		1/8		1/8	220,073	1/8	212,627	1/8	205,069	1/8	197,496	1/8	189,908
1/4		1/4		1/4		1/4		1/4		1/4	219,941	1/4	212,469	1/4	204,911	1/4	197,338	1/4	189,750
3/8		3/8		3/8		3/8		3/8		3/8	219,806	3/8	212,312	3/8	204,754	3/8	197,180	3/8	189,592
1/2		1/2		1/2		1/2		1/2		1/2	219,668	1/2	212,154	1/2	204,596	1/2	197,022	1/2	189,434
5/8		5/8		5/8		5/8		5/8		5/8	219,526	5/8	211,997	5/8	204,439	5/8	196,864	5/8	189,276
3/4		3/4		3/4		3/4		3/4		3/4	219,381	3/4	211,839	3/4	204,281	3/4	196,706	3/4	189,118
7/8		7/8		7/8		7/8		7/8		7/8	219,232	7/8	211,682	7/8	204,124	7/8	196,547	7/8	188,960
4		10		4		10		4		10	219,081	4	211,524	10	203,966	4	196,389	4	188,802
1/8		1/8		1/8		1/8		1/8	222,659	1/8	218,926	1/8	211,367	1/8	203,809	1/8	196,231	1/8	188,644
1/4		1/4		1/4		1/4		1/4	222,658	1/4	218,768	1/4	211,210	1/4	203,652	1/4	196,073	1/4	188,486
3/8		3/8		3/8		3/8		3/8	222,654	3/8	218,611	3/8	211,052	3/8	203,494	3/8	195,915	3/8	188,328
1/2		1/2		1/2		1/2		1/2	222,647	1/2	218,453	1/2	210,895	1/2	203,337	1/2	195,757	1/2	188,170
5/8		5/8		5/8		5/8		5/8	222,636	5/8	218,296	5/8	210,737	5/8	203,179	5/8	195,599	5/8	188,011
3/4		3/4		3/4		3/4		3/4	222,622	3/4	218,138	3/4	210,580	3/4	203,022	3/4	195,441	3/4	187,853
7/8		7/8		7/8		7/8		7/8	222,605	7/8	217,981	7/8	210,422	7/8	202,864	7/8	195,283	7/8	187,695
5		11		5		11		5	222,585	11	217,823	5	210,265	11	202,707	5	195,125	5	187,537
1/8		1/8		1/8		1/8		1/8	222,561	1/8	217,666	1/8	210,107	1/8	202,549	1/8	194,967	1/8	187,379
1/4		1/4		1/4		1/4		1/4	222,534	1/4	217,508	1/4	209,950	1/4	202,392	1/4	194,809	1/4	187,221
3/8		3/8		3/8		3/8		3/8	222,503	3/8	217,351	3/8	209,792	3/8	202,234	3/8	194,651	3/8	187,063
1/2		1/2		1/2		1/2		1/2	222,469	1/2	217,193	1/2	209,635	1/2	202,077	1/2	194,493	1/2	186,905
5/8		5/8		5/8		5/8		5/8	222,432	5/8	217,036	5/8	209,477	5/8	201,920	5/8	194,334	5/8	186,747
3/4		3/4		3/4		3/4		3/4	222,392	3/4	216,878	3/4	209,320	3/4	201,762	3/4	194,176	3/4	186,589
7/8		7/8		7/8		7/8		7/8	222,349	7/8	216,721	7/8	209,163	7/8	201,605	7/8	194,018	7/8	186,431

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UTI)

NOTE: GAUGE POINT IS LOCATED 42' 0" FORWARD OF AFT BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

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.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	186,273	6	178,685	0	171,097	6	163,510	0	155,922	6	148,335	0	140,747	6	133,160	0	125,572	6	117,983
1/8	186,115	1/8	178,527	1/8	170,939	1/8	163,352	1/8	155,764	1/8	148,177	1/8	140,589	1/8	133,001	1/8	125,414	1/8	117,825
1/4	185,956	1/4	178,369	1/4	170,781	1/4	163,194	1/4	155,606	1/4	148,019	1/4	140,431	1/4	132,843	1/4	125,256	1/4	117,667
3/8	185,798	3/8	178,211	3/8	170,623	3/8	163,036	3/8	155,448	3/8	147,861	3/8	140,273	3/8	132,685	3/8	125,098	3/8	117,509
1/2	185,640	1/2	178,053	1/2	170,465	1/2	162,878	1/2	155,290	1/2	147,702	1/2	140,115	1/2	132,527	1/2	124,940	1/2	117,351
5/8	185,482	5/8	177,895	5/8	170,307	5/8	162,720	5/8	155,132	5/8	147,544	5/8	139,957	5/8	132,369	5/8	124,782	5/8	117,192
3/4	185,324	3/4	177,737	3/4	170,149	3/4	162,561	3/4	154,974	3/4	147,386	3/4	139,799	3/4	132,211	3/4	124,624	3/4	117,034
7/8	185,166	7/8	177,579	7/8	169,991	7/8	162,403	7/8	154,816	7/8	147,228	7/8	139,641	7/8	132,053	7/8	124,465	7/8	116,876
1	185,008	7	177,420	1	169,833	7	162,245	1	154,658	7	147,070	1	139,483	7	131,895	1	124,307	7	116,718
1/8	184,850	1/8	177,262	1/8	169,675	1/8	162,087	1/8	154,500	1/8	146,912	1/8	139,324	1/8	131,737	1/8	124,149	1/8	116,560
1/4	184,692	1/4	177,104	1/4	169,517	1/4	161,929	1/4	154,342	1/4	146,754	1/4	139,166	1/4	131,579	1/4	123,991	1/4	116,402
3/8	184,534	3/8	176,946	3/8	169,359	3/8	161,771	3/8	154,183	3/8	146,596	3/8	139,008	3/8	131,421	3/8	123,833	3/8	116,244
1/2	184,376	1/2	176,788	1/2	169,201	1/2	161,613	1/2	154,025	1/2	146,438	1/2	138,850	1/2	131,263	1/2	123,675	1/2	116,086
5/8	184,218	5/8	176,630	5/8	169,043	5/8	161,455	5/8	153,867	5/8	146,280	5/8	138,692	5/8	131,105	5/8	123,517	5/8	115,927
3/4	184,060	3/4	176,472	3/4	168,884	3/4	161,297	3/4	153,709	3/4	146,122	3/4	138,534	3/4	130,947	3/4	123,359	3/4	115,769
7/8	183,902	7/8	176,314	7/8	168,726	7/8	161,139	7/8	153,551	7/8	145,964	7/8	138,376	7/8	130,788	7/8	123,201	7/8	115,611
2	183,743	8	176,156	2	168,568	8	160,981	2	153,393	8	145,806	2	138,218	8	130,630	2	123,043	8	115,453
1/8	183,585	1/8	175,998	1/8	168,410	1/8	160,823	1/8	153,235	1/8	145,647	1/8	138,060	1/8	130,472	1/8	122,885	1/8	115,295
1/4	183,427	1/4	175,840	1/4	168,252	1/4	160,665	1/4	153,077	1/4	145,489	1/4	137,902	1/4	130,314	1/4	122,727	1/4	115,137
3/8	183,269	3/8	175,682	3/8	168,094	3/8	160,506	3/8	152,919	3/8	145,331	3/8	137,744	3/8	130,166	3/8	122,569	3/8	114,979
1/2	183,111	1/2	175,524	1/2	167,936	1/2	160,348	1/2	152,761	1/2	145,173	1/2	137,586	1/2	129,998	1/2	122,410	1/2	114,821
5/8	182,953	5/8	175,365	5/8	167,778	5/8	160,190	5/8	152,603	5/8	145,015	5/8	137,428	5/8	129,840	5/8	122,252	5/8	114,662
3/4	182,795	3/4	175,207	3/4	167,620	3/4	160,032	3/4	152,445	3/4	144,857	3/4	137,270	3/4	129,682	3/4	122,094	3/4	114,504
7/8	182,637	7/8	175,049	7/8	167,462	7/8	159,874	7/8	152,287	7/8	144,699	7/8	137,111	7/8	129,524	7/8	121,936	7/8	114,346
3	182,479	9	174,891	3	167,304	9	159,716	3	152,129	9	144,541	3	136,953	9	129,366	3	121,778	9	114,188
1/8	182,321	1/8	174,733	1/8	167,146	1/8	159,558	1/8	151,970	1/8	144,383	1/8	136,795	1/8	129,208	1/8	121,620	1/8	114,030
1/4	182,163	1/4	174,575	1/4	166,988	1/4	159,400	1/4	151,812	1/4	144,225	1/4	136,637	1/4	129,050	1/4	121,462	1/4	113,872
3/8	182,005	3/8	174,417	3/8	166,829	3/8	159,242	3/8	151,654	3/8	144,067	3/8	136,479	3/8	128,892	3/8	121,304	3/8	113,714
1/2	181,847	1/2	174,259	1/2	166,671	1/2	159,084	1/2	151,496	1/2	143,909	1/2	136,321	1/2	128,733	1/2	121,146	1/2	113,555
5/8	181,688	5/8	174,101	5/8	166,513	5/8	158,926	5/8	151,338	5/8	143,751	5/8	136,163	5/8	128,575	5/8	120,988	5/8	113,397
3/4	181,530	3/4	173,943	3/4	166,355	3/4	158,768	3/4	151,180	3/4	143,592	3/4	136,005	3/4	128,417	3/4	120,829	3/4	113,239
7/8	181,372	7/8	173,785	7/8	166,197	7/8	158,610	7/8	151,022	7/8	143,434	7/8	135,847	7/8	128,259	7/8	120,671	7/8	113,081
4	181,214	10	173,627	4	166,039	10	158,452	4	150,864	10	143,276	4	135,689	10	128,101	4	120,513	10	112,923
1/8	181,056	1/8	173,469	1/8	165,881	1/8	158,293	1/8	150,706	1/8	143,118	1/8	135,531	1/8	127,943	1/8	120,355	1/8	112,765
1/4	180,898	1/4	173,311	1/4	165,723	1/4	158,135	1/4	150,548	1/4	142,960	1/4	135,373	1/4	127,785	1/4	120,197	1/4	112,607
3/8	180,740	3/8	173,152	3/8	165,565	3/8	157,977	3/8	150,390	3/8	142,802	3/8	135,215	3/8	127,627	3/8	120,039	3/8	112,449
1/2	180,582	1/2	172,994	1/2	165,407	1/2	157,819	1/2	150,232	1/2	142,644	1/2	135,056	1/2	127,469	1/2	119,881	1/2	112,290
5/8	180,424	5/8	172,836	5/8	165,249	5/8	157,661	5/8	150,074	5/8	142,486	5/8	134,898	5/8	127,311	5/8	119,723	5/8	112,132
3/4	180,266	3/4	172,678	3/4	165,091	3/4	157,503	3/4	149,915	3/4	142,328	3/4	134,740	3/4	127,153	3/4	119,564	3/4	111,974
7/8	180,108	7/8	172,520	7/8	164,933	7/8	157,345	7/8	149,757	7/8	142,170	7/8	134,582	7/8	126,995	7/8	119,406	7/8	111,816
5	179,950	11	172,362	5	164,774	11	157,187	5	149,599	11	142,012	5	134,424	11	126,837	5	119,248	11	111,658
1/8	179,792	1/8	172,204	1/8	164,616	1/8	157,029	1/8	149,441	1/8	141,854	1/8	134,266	1/8	126,679	1/8	119,090	1/8	111,500
1/4	179,634	1/4	172,046	1/4	164,458	1/4	156,871	1/4	149,283	1/4	141,696	1/4	134,108	1/4	126,520	1/4	118,932	1/4	111,342
3/8	179,475	3/8	171,888	3/8	164,300	3/8	156,713	3/8	149,125	3/8	141,538	3/8	133,950	3/8	126,362	3/8	118,774	3/8	111,184
1/2	179,317	1/2	171,730	1/2	164,142	1/2	156,555	1/2	148,967	1/2	141,379	1/2	133,792	1/2	126,204	1/2	118,616	1/2	111,025
5/8	179,159	5/8	171,572	5/8	163,984	5/8	156,397	5/8	148,809	5/8	141,221	5/8	133,634	5/8	126,046	5/8	118,458	5/8	110,867
3/4	179,001	3/4	171,414	3/4	163,826	3/4	156,238	3/4	148,651	3/4	141,063	3/4	133,476	3/4	125,888	3/4	118,299	3/4	110,709
7/8	178,843	7/8	171,256	7/8	163,668	7/8	156,080	7/8	148,493	7/8	140,905	7/8	133,318	7/8	125,730	7/8	118,141	7/8	110,551

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UT)

NOTE: GAUGE POINT IS LOCATED 42" 0" FORWARD OF AFT BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

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.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	110,393	6	102,803	0	95,212	6	87,622	0	80,032	6	72,442	0	64,851	6	57,261	0	49,671	6	42,083
1/8	110,235	1/8	102,645	1/8	95,054	1/8	87,464	1/8	79,874	1/8	72,284	1/8	64,693	1/8	57,103	1/8	49,513	1/8	41,925
1/4	110,077	1/4	102,486	1/4	94,896	1/4	87,306	1/4	79,716	1/4	72,125	1/4	64,535	1/4	56,945	1/4	49,355	1/4	41,767
3/8	109,919	3/8	102,328	3/8	94,738	3/8	87,148	3/8	79,558	3/8	71,967	3/8	64,377	3/8	56,787	3/8	49,197	3/8	41,609
1/2	109,760	1/2	102,170	1/2	94,580	1/2	86,990	1/2	79,399	1/2	71,809	1/2	64,219	1/2	56,629	1/2	49,039	1/2	41,451
5/8	109,602	5/8	102,012	5/8	94,422	5/8	86,832	5/8	79,241	5/8	71,651	5/8	64,061	5/8	56,471	5/8	48,880	5/8	41,293
3/4	109,444	3/4	101,854	3/4	94,264	3/4	86,673	3/4	79,083	3/4	71,493	3/4	63,903	3/4	56,312	3/4	48,722	3/4	41,135
7/8	109,286	7/8	101,696	7/8	94,106	7/8	86,515	7/8	78,925	7/8	71,335	7/8	63,745	7/8	56,154	7/8	48,564	7/8	40,977
1	109,128	7	101,538	1	93,947	7	86,357	1	78,767	7	71,177	1	63,586	7	55,996	1	48,406	7	40,818
1/8	108,970	1/8	101,379	1/8	93,789	1/8	86,199	1/8	78,609	1/8	71,019	1/8	63,428	1/8	55,838	1/8	48,248	1/8	40,660
1/4	108,812	1/4	101,221	1/4	93,631	1/4	86,041	1/4	78,451	1/4	70,860	1/4	63,270	1/4	55,680	1/4	48,090	1/4	40,502
3/8	108,653	3/8	101,063	3/8	93,473	3/8	85,883	3/8	78,293	3/8	70,702	3/8	63,112	3/8	55,522	3/8	47,932	3/8	40,344
1/2	108,495	1/2	100,905	1/2	93,315	1/2	85,725	1/2	78,134	1/2	70,544	1/2	62,954	1/2	55,364	1/2	47,774	1/2	40,186
5/8	108,337	5/8	100,747	5/8	93,157	5/8	85,567	5/8	77,976	5/8	70,386	5/8	62,796	5/8	55,206	5/8	47,616	5/8	40,028
3/4	108,179	3/4	100,589	3/4	92,999	3/4	85,408	3/4	77,818	3/4	70,228	3/4	62,638	3/4	55,047	3/4	47,457	3/4	39,870
7/8	108,021	7/8	100,431	7/8	92,840	7/8	85,250	7/8	77,660	7/8	70,070	7/8	62,480	7/8	54,889	7/8	47,299	7/8	39,712
2	107,863	8	100,273	2	92,682	8	85,092	2	77,502	8	69,912	2	62,321	8	54,731	2	47,141	8	39,554
1/8	107,705	1/8	100,114	1/8	92,524	1/8	84,934	1/8	77,344	1/8	69,754	1/8	62,163	1/8	54,573	1/8	46,983	1/8	39,396
1/4	107,547	1/4	99,956	1/4	92,366	1/4	84,776	1/4	77,186	1/4	69,595	1/4	62,005	1/4	54,415	1/4	46,825	1/4	39,238
3/8	107,388	3/8	99,798	3/8	92,208	3/8	84,618	3/8	77,027	3/8	69,437	3/8	61,847	3/8	54,257	3/8	46,667	3/8	39,080
1/2	107,230	1/2	99,640	1/2	92,050	1/2	84,460	1/2	76,869	1/2	69,279	1/2	61,689	1/2	54,099	1/2	46,509	1/2	38,922
5/8	107,072	5/8	99,482	5/8	91,892	5/8	84,301	5/8	76,711	5/8	69,121	5/8	61,531	5/8	53,941	5/8	46,351	5/8	38,763
3/4	106,914	3/4	99,324	3/4	91,734	3/4	84,143	3/4	76,553	3/4	68,963	3/4	61,373	3/4	53,782	3/4	46,193	3/4	38,605
7/8	106,756	7/8	99,166	7/8	91,575	7/8	83,985	7/8	76,395	7/8	68,805	7/8	61,215	7/8	53,624	7/8	46,035	7/8	38,447
3	106,598	9	99,008	3	91,417	9	83,827	3	76,237	9	68,647	3	61,056	9	53,466	3	45,877	9	38,289
1/8	106,440	1/8	98,849	1/8	91,259	1/8	83,669	1/8	76,079	1/8	68,488	1/8	60,898	1/8	53,308	1/8	45,719	1/8	38,131
1/4	106,282	1/4	98,691	1/4	91,101	1/4	83,511	1/4	75,921	1/4	68,330	1/4	60,740	1/4	53,150	1/4	45,561	1/4	37,973
3/8	106,123	3/8	98,533	3/8	90,943	3/8	83,353	3/8	75,762	3/8	68,172	3/8	60,582	3/8	52,992	3/8	45,403	3/8	37,815
1/2	105,965	1/2	98,375	1/2	90,785	1/2	83,195	1/2	75,604	1/2	68,014	1/2	60,424	1/2	52,834	1/2	45,244	1/2	37,657
5/8	105,807	5/8	98,217	5/8	90,627	5/8	83,036	5/8	75,446	5/8	67,856	5/8	60,266	5/8	52,675	5/8	45,086	5/8	37,499
3/4	105,649	3/4	98,059	3/4	90,469	3/4	82,878	3/4	75,288	3/4	67,698	3/4	60,108	3/4	52,517	3/4	44,928	3/4	37,341
7/8	105,491	7/8	97,901	7/8	90,310	7/8	82,720	7/8	75,130	7/8	67,540	7/8	59,949	7/8	52,359	7/8	44,770	7/8	37,183
4	105,333	10	97,743	4	90,152	10	82,562	4	74,972	10	67,382	4	59,791	10	52,201	4	44,612	10	37,025
1/8	105,175	1/8	97,584	1/8	89,994	1/8	82,404	1/8	74,814	1/8	67,223	1/8	59,633	1/8	52,043	1/8	44,454	1/8	36,867
1/4	105,016	1/4	97,426	1/4	89,836	1/4	82,246	1/4	74,656	1/4	67,065	1/4	59,475	1/4	51,885	1/4	44,296	1/4	36,709
3/8	104,858	3/8	97,268	3/8	89,678	3/8	82,088	3/8	74,497	3/8	66,907	3/8	59,317	3/8	51,727	3/8	44,138	3/8	36,550
1/2	104,700	1/2	97,110	1/2	89,520	1/2	81,930	1/2	74,339	1/2	66,749	1/2	59,159	1/2	51,569	1/2	43,980	1/2	36,392
5/8	104,542	5/8	96,952	5/8	89,362	5/8	81,771	5/8	74,181	5/8	66,591	5/8	59,001	5/8	51,410	5/8	43,822	5/8	36,234
3/4	104,384	3/4	96,794	3/4	89,203	3/4	81,613	3/4	74,023	3/4	66,433	3/4	58,843	3/4	51,252	3/4	43,664	3/4	36,076
7/8	104,226	7/8	96,636	7/8	89,045	7/8	81,455	7/8	73,865	7/8	66,275	7/8	58,684	7/8	51,094	7/8	43,506	7/8	35,918
5	104,068	11	96,477	5	88,887	11	81,297	5	73,707	11	66,117	5	58,526	11	50,936	5	43,348	11	35,760
1/8	103,910	1/8	96,319	1/8	88,729	1/8	81,139	1/8	73,549	1/8	65,958	1/8	58,368	1/8	50,778	1/8	43,190	1/8	35,602
1/4	103,751	1/4	96,161	1/4	88,571	1/4	80,981	1/4	73,391	1/4	65,800	1/4	58,210	1/4	50,620	1/4	43,031	1/4	35,444
3/8	103,593	3/8	96,003	3/8	88,413	3/8	80,823	3/8	73,232	3/8	65,642	3/8	58,052	3/8	50,462	3/8	42,873	3/8	35,286
1/2	103,435	1/2	95,845	1/2	88,255	1/2	80,664	1/2	73,074	1/2	65,484	1/2	57,894	1/2	50,304	1/2	42,715	1/2	35,128
5/8	103,277	5/8	95,687	5/8	88,097	5/8	80,506	5/8	72,916	5/8	65,326	5/8	57,736	5/8	50,145	5/8	42,557	5/8	34,970
3/4	103,119	3/4	95,529	3/4	87,938	3/4	80,348	3/4	72,758	3/4	65,168	3/4	57,578	3/4	49,987	3/4	42,399	3/4	34,811
7/8	102,961	7/8	95,371	7/8	87,780	7/8	80,190	7/8	72,600	7/8	65,010	7/8	57,419	7/8	49,829	7/8	42,241	7/8	34,653

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UTI)

NOTE: GAUGE POINT IS LOCATED 42" 0" FORWARD OF AFT BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

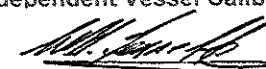
THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES
OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration



CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	15 FT.	IN	15 FT.	IN	16 FT.	IN	16 FT.	IN	17 FT.	IN	17 FT.	IN	18 FT.	IN	18 FT.	IN	19 FT.	IN	19 FT.
0	34,495	6	26,906	0	19,316	6	11,727	0	4,048	6		0		6		0		6	
1/8	34,337	1/8	26,747	1/8	19,158	1/8	11,569	1/8	3,887	1/8		1/8		1/8		1/8		1/8	
1/4	34,179	1/4	26,589	1/4	19,000	1/4	11,411	1/4	3,729	1/4		1/4		1/4		1/4		1/4	
3/8	34,021	3/8	26,431	3/8	18,842	3/8	11,252	3/8	3,574	3/8		3/8		3/8		3/8		3/8	
1/2	33,863	1/2	26,273	1/2	18,684	1/2	11,094	1/2	3,423	1/2		1/2		1/2		1/2		1/2	
5/8	33,705	5/8	26,115	5/8	18,526	5/8	10,936	5/8	3,274	5/8		5/8		5/8		5/8		5/8	
3/4	33,546	3/4	25,957	3/4	18,368	3/4	10,778	3/4	3,129	3/4		3/4		3/4		3/4		3/4	
7/8	33,388	7/8	25,799	7/8	18,209	7/8	10,620	7/8	2,988	7/8		7/8		7/8		7/8		7/8	
1	33,230	7	25,641	1	18,051	7	10,462	1	2,849	7		1		7		1		7	
1/8	33,072	1/8	25,483	1/8	17,893	1/8	10,304	1/8	2,714	1/8		1/8		1/8		1/8		1/8	
1/4	32,914	1/4	25,324	1/4	17,735	1/4	10,146	1/4	2,583	1/4		1/4		1/4		1/4		1/4	
3/8	32,756	3/8	25,166	3/8	17,577	3/8	9,988	3/8	2,454	3/8		3/8		3/8		3/8		3/8	
1/2	32,598	1/2	25,008	1/2	17,419	1/2	9,829	1/2	2,329	1/2		1/2		1/2		1/2		1/2	
5/8	32,440	5/8	24,850	5/8	17,261	5/8	9,671	5/8	2,207	5/8		5/8		5/8		5/8		5/8	
3/4	32,281	3/4	24,692	3/4	17,103	3/4	9,513	3/4	2,089	3/4		3/4		3/4		3/4		3/4	
7/8	32,123	7/8	24,534	7/8	16,945	7/8	9,355	7/8	1,973	7/8		7/8		7/8		7/8		7/8	
2	31,965	8	24,376	2	16,786	8	9,197	2	1,861	8		2		8		2		8	
1/8	31,807	1/8	24,218	1/8	16,628	1/8	9,039	1/8	1,753	1/8		1/8		1/8		1/8		1/8	
1/4	31,649	1/4	24,060	1/4	16,470	1/4	8,881	1/4	1,647	1/4		1/4		1/4		1/4		1/4	
3/8	31,491	3/8	23,901	3/8	16,312	3/8	8,723	3/8	1,545	3/8		3/8		3/8		3/8		3/8	
1/2	31,333	1/2	23,743	1/2	16,154	1/2	8,565	1/2	1,446	1/2		1/2		1/2		1/2		1/2	
5/8	31,175	5/8	23,585	5/8	15,996	5/8	8,406	5/8	1,351	5/8		5/8		5/8		5/8		5/8	
3/4	31,017	3/4	23,427	3/4	15,838	3/4	8,248	3/4	1,259	3/4		3/4		3/4		3/4		3/4	
7/8	30,858	7/8	23,269	7/8	15,680	7/8	8,090	7/8	1,170	7/8		7/8		7/8		7/8		7/8	
3	30,700	9	23,111	3	15,522	9	7,932	3	1,084	9		3		9		3		9	
1/8	30,542	1/8	22,953	1/8	15,363	1/8	7,774	1/8	1,002	1/8		1/8		1/8		1/8		1/8	
1/4	30,384	1/4	22,795	1/4	15,205	1/4	7,616	1/4	923	1/4		1/4		1/4		1/4		1/4	
3/8	30,226	3/8	22,637	3/8	15,047	3/8	7,458	3/8	847	3/8		3/8		3/8		3/8		3/8	
1/2	30,068	1/2	22,478	1/2	14,889	1/2	7,300	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	29,910	5/8	22,320	5/8	14,731	5/8	7,142	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	29,752	3/4	22,162	3/4	14,573	3/4	6,983	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	29,593	7/8	22,004	7/8	14,415	7/8	6,825	7/8		7/8		7/8		7/8		7/8		7/8	
4	29,435	10	21,846	4	14,257	10	6,667	4		10		4		10		4		10	
1/8	29,277	1/8	21,688	1/8	14,098	1/8	6,509	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	29,119	1/4	21,530	1/4	13,940	1/4	6,351	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	28,961	3/8	21,372	3/8	13,782	3/8	6,193	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	28,803	1/2	21,214	1/2	13,624	1/2	6,035	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	28,645	5/8	21,055	5/8	13,466	5/8	5,877	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	28,487	3/4	20,897	3/4	13,308	3/4	5,719	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	28,329	7/8	20,739	7/8	13,150	7/8	5,560	7/8		7/8		7/8		7/8		7/8		7/8	
5	28,170	11	20,581	5	12,992	11	5,402	5		11		5		11		5		11	
1/8	28,012	1/8	20,423	1/8	12,834	1/8	5,244	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	27,854	1/4	20,265	1/4	12,675	1/4	5,086	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	27,696	3/8	20,107	3/8	12,517	3/8	4,905	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	27,538	1/2	19,949	1/2	12,359	1/2	4,727	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	27,380	5/8	19,791	5/8	12,201	5/8	4,552	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	27,222	3/4	19,632	3/4	12,043	3/4	4,381	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	27,064	7/8	19,474	7/8	11,885	7/8	4,213	7/8		7/8		7/8		7/8		7/8		7/8	

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UTI)

NOTE: GAUGE POINT IS LOCATED 42' 0" FORWARD OF AFT BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES

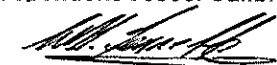
OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration



ULLAGE GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	FT.	IN	FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0		6		0		6		0		6	222,567	0	216,820	6	209,250	0	201,680	6	194,082
1/8		1/8		1/8		1/8		1/8		1/8	222,517	1/8	216,662	1/8	209,092	1/8	201,523	1/8	193,923
1/4		1/4		1/4		1/4		1/4		1/4	222,464	1/4	216,505	1/4	208,935	1/4	201,364	1/4	193,765
3/8		3/8		3/8		3/8		3/8		3/8	222,408	3/8	216,347	3/8	208,777	3/8	201,206	3/8	193,607
1/2		1/2		1/2		1/2		1/2		1/2	222,348	1/2	216,189	1/2	208,619	1/2	201,048	1/2	193,448
5/8		5/8		5/8		5/8		5/8		5/8	222,285	5/8	216,031	5/8	208,461	5/8	200,889	5/8	193,290
3/4		3/4		3/4		3/4		3/4		3/4	222,219	3/4	215,874	3/4	208,304	3/4	200,731	3/4	193,132
7/8		7/8		7/8		7/8		7/8		7/8	222,150	7/8	215,716	7/8	208,146	7/8	200,573	7/8	192,973
1		7		1		7		1		7	222,077	1	215,558	7	207,988	1	200,414	7	192,815
1/8		1/8		1/8		1/8		1/8		1/8	222,001	1/8	215,400	1/8	207,831	1/8	200,256	1/8	192,657
1/4		1/4		1/4		1/4		1/4		1/4	221,921	1/4	215,243	1/4	207,673	1/4	200,098	1/4	192,498
3/8		3/8		3/8		3/8		3/8		3/8	221,839	3/8	215,085	3/8	207,515	3/8	199,939	3/8	192,340
1/2		1/2		1/2		1/2		1/2		1/2	221,753	1/2	214,927	1/2	207,358	1/2	199,781	1/2	192,182
5/8		5/8		5/8		5/8		5/8		5/8	221,663	5/8	214,769	5/8	207,200	5/8	199,623	5/8	192,024
3/4		3/4		3/4		3/4		3/4		3/4	221,571	3/4	214,612	3/4	207,042	3/4	199,464	3/4	191,865
7/8		7/8		7/8		7/8		7/8		7/8	221,475	7/8	214,454	7/8	206,884	7/8	199,306	7/8	191,707
2		8		2		8		2		8	221,376	2	214,296	8	206,727	2	199,148	8	191,549
1/8		1/8		1/8		1/8		1/8		1/8	221,273	1/8	214,139	1/8	206,569	1/8	198,990	1/8	191,390
1/4		1/4		1/4		1/4		1/4		1/4	221,168	1/4	213,981	1/4	206,411	1/4	198,831	1/4	191,232
3/8		3/8		3/8		3/8		3/8		3/8	221,059	3/8	213,823	3/8	206,254	3/8	198,673	3/8	191,074
1/2		1/2		1/2		1/2		1/2		1/2	220,946	1/2	213,666	1/2	206,096	1/2	198,515	1/2	190,915
5/8		5/8		5/8		5/8		5/8		5/8	220,831	5/8	213,508	5/8	205,938	5/8	198,356	5/8	190,757
3/4		3/4		3/4		3/4		3/4		3/4	220,712	3/4	213,350	3/4	205,781	3/4	198,198	3/4	190,599
7/8		7/8		7/8		7/8		7/8		7/8	220,590	7/8	213,192	7/8	205,623	7/8	198,040	7/8	190,440
3		9		3		9		3		9	220,464	3	213,035	9	205,465	3	197,881	9	190,282
1/8		1/8		1/8		1/8		1/8		1/8	220,335	1/8	212,877	1/8	205,307	1/8	197,723	1/8	190,124
1/4		1/4		1/4		1/4		1/4		1/4	220,203	1/4	212,719	1/4	205,150	1/4	197,565	1/4	189,965
3/8		3/8		3/8		3/8		3/8		3/8	220,068	3/8	212,562	3/8	204,992	3/8	197,406	3/8	189,807
1/2		1/2		1/2		1/2		1/2		1/2	219,929	1/2	212,404	1/2	204,834	1/2	197,248	1/2	189,649
5/8		5/8		5/8		5/8		5/8		5/8	219,787	5/8	212,246	5/8	204,677	5/8	197,090	5/8	189,490
3/4		3/4		3/4		3/4		3/4		3/4	219,642	3/4	212,089	3/4	204,519	3/4	196,931	3/4	189,332
7/8		7/8		7/8		7/8		7/8		7/8	219,493	7/8	211,931	7/8	204,361	7/8	196,773	7/8	189,174
4		10		4		10		4		10	219,341	4	211,773	10	204,204	4	196,615	10	189,015
1/8		1/8		1/8		1/8		1/8	222,925	1/8	219,186	1/8	211,615	1/8	204,046	1/8	196,456	1/8	188,857
1/4		1/4		1/4		1/4		1/4	222,924	1/4	219,028	1/4	211,458	1/4	203,888	1/4	196,298	1/4	188,699
3/8		3/8		3/8		3/8		3/8	222,920	3/8	218,870	3/8	211,300	3/8	203,730	3/8	196,140	3/8	188,541
1/2		1/2		1/2		1/2		1/2	222,913	1/2	218,713	1/2	211,142	1/2	203,573	1/2	195,981	1/2	188,382
5/8		5/8		5/8		5/8		5/8	222,902	5/8	218,555	5/8	210,985	5/8	203,415	5/8	195,823	5/8	188,224
3/4		3/4		3/4		3/4		3/4	222,888	3/4	218,397	3/4	210,827	3/4	203,257	3/4	195,665	3/4	188,066
7/8		7/8		7/8		7/8		7/8	222,871	7/8	218,240	7/8	210,669	7/8	203,100	7/8	195,507	7/8	187,907
5		11		5		11		5	222,850	11	218,082	5	210,512	11	202,942	5	195,348	11	187,749
1/8		1/8		1/8		1/8		1/8	222,827	1/8	217,924	1/8	210,354	1/8	202,784	1/8	195,190	1/8	187,591
1/4		1/4		1/4		1/4		1/4	222,799	1/4	217,766	1/4	210,196	1/4	202,627	1/4	195,032	1/4	187,432
3/8		3/8		3/8		3/8		3/8	222,769	3/8	217,609	3/8	210,038	3/8	202,469	3/8	194,873	3/8	187,274
1/2		1/2		1/2		1/2		1/2	222,735	1/2	217,451	1/2	209,881	1/2	202,311	1/2	194,715	1/2	187,116
5/8		5/8		5/8		5/8		5/8	222,698	5/8	217,293	5/8	209,723	5/8	202,153	5/8	194,557	5/8	186,957
3/4		3/4		3/4		3/4		3/4	222,658	3/4	217,135	3/4	209,565	3/4	201,996	3/4	194,398	3/4	186,799
7/8		7/8		7/8		7/8		7/8	222,614	7/8	216,978	7/8	209,408	7/8	201,838	7/8	194,240	7/8	186,641

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UTI)

NOTE: GAUGE POINT IS LOCATED 42' 0" FORWARD OF AFT BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

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.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	186,482	6	178,883	0	171,284	6	163,685	0	156,085	6	148,486	0	140,887	6	133,287	0	125,688	6	118,088
1/8	186,324	1/8	178,725	1/8	171,125	1/8	163,526	1/8	155,927	1/8	148,328	1/8	140,728	1/8	133,129	1/8	125,530	1/8	117,929
1/4	186,166	1/4	178,566	1/4	170,967	1/4	163,368	1/4	155,769	1/4	148,169	1/4	140,570	1/4	132,971	1/4	125,371	1/4	117,771
3/8	186,007	3/8	178,408	3/8	170,809	3/8	163,210	3/8	155,610	3/8	148,011	3/8	140,412	3/8	132,812	3/8	125,213	3/8	117,612
1/2	185,849	1/2	178,250	1/2	170,651	1/2	163,051	1/2	155,452	1/2	147,853	1/2	140,253	1/2	132,654	1/2	125,055	1/2	117,454
5/8	185,691	5/8	178,092	5/8	170,492	5/8	162,893	5/8	155,294	5/8	147,694	5/8	140,095	5/8	132,496	5/8	124,897	5/8	117,296
3/4	185,532	3/4	177,933	3/4	170,334	3/4	162,735	3/4	155,135	3/4	147,536	3/4	139,937	3/4	132,338	3/4	124,738	3/4	117,137
7/8	185,374	7/8	177,775	7/8	170,176	7/8	162,576	7/8	154,977	7/8	147,378	7/8	139,778	7/8	132,179	7/8	124,580	7/8	116,979
1	185,216	7	177,617	1	170,017	7	162,418	1	154,819	7	147,219	1	139,620	7	132,021	1	124,422	7	116,821
1/8	185,058	1/8	177,458	1/8	169,859	1/8	162,260	1/8	154,660	1/8	147,061	1/8	139,462	1/8	131,863	1/8	124,263	1/8	116,662
1/4	184,899	1/4	177,300	1/4	169,701	1/4	162,101	1/4	154,502	1/4	146,903	1/4	139,304	1/4	131,704	1/4	124,105	1/4	116,504
3/8	184,741	3/8	177,142	3/8	169,542	3/8	161,943	3/8	154,344	3/8	146,744	3/8	139,145	3/8	131,546	3/8	123,947	3/8	116,345
1/2	184,583	1/2	176,983	1/2	169,384	1/2	161,785	1/2	154,185	1/2	146,586	1/2	138,987	1/2	131,388	1/2	123,788	1/2	116,187
5/8	184,424	5/8	176,825	5/8	169,226	5/8	161,626	5/8	154,027	5/8	146,428	5/8	138,829	5/8	131,229	5/8	123,630	5/8	116,029
3/4	184,266	3/4	176,667	3/4	169,067	3/4	161,468	3/4	153,869	3/4	146,270	3/4	138,670	3/4	131,071	3/4	123,472	3/4	115,870
7/8	184,108	7/8	176,508	7/8	168,909	7/8	161,310	7/8	153,710	7/8	146,111	7/8	138,512	7/8	130,913	7/8	123,313	7/8	115,712
2	183,949	8	176,350	2	168,751	8	161,151	2	153,552	8	145,953	2	138,354	8	130,754	2	123,155	8	115,554
1/8	183,791	1/8	176,192	1/8	168,592	1/8	160,993	1/8	153,394	1/8	145,795	1/8	138,195	1/8	130,596	1/8	122,997	1/8	115,395
1/4	183,633	1/4	176,033	1/4	168,434	1/4	160,835	1/4	153,236	1/4	145,636	1/4	138,037	1/4	130,438	1/4	122,838	1/4	115,237
3/8	183,474	3/8	175,875	3/8	168,276	3/8	160,676	3/8	153,077	3/8	145,478	3/8	137,879	3/8	130,279	3/8	122,680	3/8	115,078
1/2	183,316	1/2	175,717	1/2	168,117	1/2	160,518	1/2	152,919	1/2	145,320	1/2	137,720	1/2	130,121	1/2	122,522	1/2	114,920
5/8	183,158	5/8	175,558	5/8	167,959	5/8	160,360	5/8	152,761	5/8	145,161	5/8	137,562	5/8	129,963	5/8	122,363	5/8	114,762
3/4	182,999	3/4	175,400	3/4	167,801	3/4	160,202	3/4	152,602	3/4	145,003	3/4	137,404	3/4	129,804	3/4	122,205	3/4	114,603
7/8	182,841	7/8	175,242	7/8	167,642	7/8	160,043	7/8	152,444	7/8	144,845	7/8	137,245	7/8	129,646	7/8	122,047	7/8	114,445
3	182,683	9	175,083	3	167,484	9	159,885	3	152,286	9	144,686	3	137,087	9	129,488	3	121,888	9	114,287
1/8	182,524	1/8	174,925	1/8	167,326	1/8	159,727	1/8	152,127	1/8	144,528	1/8	136,929	1/8	129,329	1/8	121,730	1/8	114,128
1/4	182,366	1/4	174,767	1/4	167,168	1/4	159,568	1/4	151,969	1/4	144,370	1/4	136,770	1/4	129,171	1/4	121,572	1/4	113,970
3/8	182,208	3/8	174,608	3/8	167,009	3/8	159,410	3/8	151,811	3/8	144,211	3/8	136,612	3/8	129,013	3/8	121,413	3/8	113,811
1/2	182,049	1/2	174,450	1/2	166,851	1/2	159,252	1/2	151,652	1/2	144,053	1/2	136,454	1/2	128,854	1/2	121,255	1/2	113,653
5/8	181,891	5/8	174,292	5/8	166,693	5/8	159,093	5/8	151,494	5/8	143,895	5/8	136,295	5/8	128,696	5/8	121,097	5/8	113,495
3/4	181,733	3/4	174,134	3/4	166,534	3/4	158,935	3/4	151,336	3/4	143,736	3/4	136,137	3/4	128,538	3/4	120,938	3/4	113,336
7/8	181,575	7/8	173,975	7/8	166,376	7/8	158,777	7/8	151,177	7/8	143,578	7/8	135,979	7/8	128,380	7/8	120,780	7/8	113,178
4	181,416	10	173,817	4	166,218	10	158,618	4	151,019	10	143,420	4	135,821	10	128,221	4	120,622	10	113,020
1/8	181,258	1/8	173,659	1/8	166,059	1/8	158,460	1/8	150,861	1/8	143,261	1/8	135,662	1/8	128,063	1/8	120,463	1/8	112,861
1/4	181,100	1/4	173,500	1/4	165,901	1/4	158,302	1/4	150,702	1/4	143,103	1/4	135,504	1/4	127,905	1/4	120,305	1/4	112,703
3/8	180,941	3/8	173,342	3/8	165,743	3/8	158,143	3/8	150,544	3/8	142,945	3/8	135,346	3/8	127,746	3/8	120,146	3/8	112,545
1/2	180,783	1/2	173,184	1/2	165,584	1/2	157,985	1/2	150,386	1/2	142,787	1/2	135,187	1/2	127,588	1/2	119,988	1/2	112,386
5/8	180,625	5/8	173,025	5/8	165,426	5/8	157,827	5/8	150,227	5/8	142,628	5/8	135,029	5/8	127,430	5/8	119,830	5/8	112,228
3/4	180,466	3/4	172,867	3/4	165,268	3/4	157,668	3/4	150,069	3/4	142,470	3/4	134,871	3/4	127,271	3/4	119,671	3/4	112,069
7/8	180,308	7/8	172,709	7/8	165,109	7/8	157,510	7/8	149,911	7/8	142,312	7/8	134,712	7/8	127,113	7/8	119,513	7/8	111,911
5	180,150	11	172,550	5	164,951	11	157,352	5	149,753	11	142,153	5	134,554	11	126,955	5	119,355	11	111,753
1/8	179,991	1/8	172,392	1/8	164,793	1/8	157,193	1/8	149,594	1/8	141,995	1/8	134,396	1/8	126,796	1/8	119,196	1/8	111,594
1/4	179,833	1/4	172,234	1/4	164,634	1/4	157,035	1/4	149,436	1/4	141,837	1/4	134,237	1/4	126,638	1/4	119,038	1/4	111,436
3/8	179,675	3/8	172,075	3/8	164,476	3/8	156,877	3/8	149,278	3/8	141,678	3/8	134,079	3/8	126,480	3/8	118,879	3/8	111,278
1/2	179,516	1/2	171,917	1/2	164,318	1/2	156,719	1/2	149,119	1/2	141,520	1/2	133,921	1/2	126,321	1/2	118,721	1/2	111,119
5/8	179,358	5/8	171,759	5/8	164,159	5/8	156,560	5/8	148,961	5/8	141,362	5/8	133,762	5/8	126,163	5/8	118,563	5/8	110,961
3/4	179,200	3/4	171,600	3/4	164,001	3/4	156,402	3/4	148,803	3/4	141,203	3/4	133,604	3/4	126,005	3/4	118,404	3/4	110,802
7/8	179,041	7/8	171,442	7/8	163,843	7/8	156,244	7/8	148,644	7/8	141,045	7/8	133,446	7/8	125,846	7/8	118,246	7/8	110,644

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UT)

NOTE: GAUGE POINT IS LOCATED 42' 0" FORWARD OF AFT BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

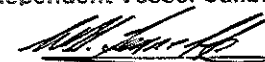
THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES
OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration



ULLAGE GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	110,486	6	102,884	0	95,282	6	87,680	0	80,078	6	72,476	0	64,874	6	57,272	0	49,670	6	42,102
1/8	110,327	1/8	102,725	1/8	95,123	1/8	87,521	1/8	79,920	1/8	72,318	1/8	64,716	1/8	57,114	1/8	49,512	1/8	41,945
1/4	110,169	1/4	102,567	1/4	94,965	1/4	87,363	1/4	79,761	1/4	72,159	1/4	64,557	1/4	56,955	1/4	49,354	1/4	41,787
3/8	110,011	3/8	102,409	3/8	94,807	3/8	87,205	3/8	79,603	3/8	72,001	3/8	64,399	3/8	56,797	3/8	49,195	3/8	41,630
1/2	109,852	1/2	102,250	1/2	94,648	1/2	87,046	1/2	79,444	1/2	71,843	1/2	64,241	1/2	56,639	1/2	49,037	1/2	41,472
5/8	109,694	5/8	102,092	5/8	94,490	5/8	86,888	5/8	79,286	5/8	71,684	5/8	64,082	5/8	56,480	5/8	48,879	5/8	41,315
3/4	109,535	3/4	101,933	3/4	94,332	3/4	86,730	3/4	79,128	3/4	71,526	3/4	63,924	3/4	56,322	3/4	48,720	3/4	41,157
7/8	109,377	7/8	101,775	7/8	94,173	7/8	86,571	7/8	78,969	7/8	71,367	7/8	63,765	7/8	56,164	7/8	48,562	7/8	41,000
1	109,219	7	101,617	1	94,015	7	86,413	1	78,811	7	71,209	1	63,607	7	56,005	1	48,404	7	40,842
1/8	109,060	1/8	101,458	1/8	93,856	1/8	86,254	1/8	78,653	1/8	71,051	1/8	63,449	1/8	55,847	1/8	48,245	1/8	40,685
1/4	108,902	1/4	101,300	1/4	93,698	1/4	86,096	1/4	78,494	1/4	70,892	1/4	63,290	1/4	55,688	1/4	48,088	1/4	40,527
3/8	108,744	3/8	101,142	3/8	93,540	3/8	85,938	3/8	78,336	3/8	70,734	3/8	63,132	3/8	55,530	3/8	47,930	3/8	40,369
1/2	108,585	1/2	100,983	1/2	93,381	1/2	85,779	1/2	78,177	1/2	70,576	1/2	62,974	1/2	55,372	1/2	47,773	1/2	40,212
5/8	108,427	5/8	100,825	5/8	93,223	5/8	85,621	5/8	78,019	5/8	70,417	5/8	62,815	5/8	55,213	5/8	47,615	5/8	40,054
3/4	108,268	3/4	100,666	3/4	93,065	3/4	85,463	3/4	77,861	3/4	70,259	3/4	62,657	3/4	55,055	3/4	47,458	3/4	39,897
7/8	108,110	7/8	100,508	7/8	92,906	7/8	85,304	7/8	77,702	7/8	70,100	7/8	62,498	7/8	54,897	7/8	47,300	7/8	39,739
2	107,952	8	100,350	2	92,748	8	85,146	2	77,544	8	69,942	2	62,340	8	54,738	2	47,143	8	39,582
1/8	107,793	1/8	100,191	1/8	92,589	1/8	84,988	1/8	77,386	1/8	69,784	1/8	62,182	1/8	54,580	1/8	46,985	1/8	39,424
1/4	107,635	1/4	100,033	1/4	92,431	1/4	84,829	1/4	77,227	1/4	69,625	1/4	62,023	1/4	54,421	1/4	46,828	1/4	39,267
3/8	107,477	3/8	99,875	3/8	92,273	3/8	84,671	3/8	77,069	3/8	69,467	3/8	61,865	3/8	54,263	3/8	46,670	3/8	39,109
1/2	107,318	1/2	99,716	1/2	92,114	1/2	84,512	1/2	76,910	1/2	69,309	1/2	61,707	1/2	54,105	1/2	46,513	1/2	38,952
5/8	107,160	5/8	99,558	5/8	91,956	5/8	84,354	5/8	76,752	5/8	69,150	5/8	61,548	5/8	53,946	5/8	46,355	5/8	38,794
3/4	107,001	3/4	99,400	3/4	91,798	3/4	84,196	3/4	76,594	3/4	68,992	3/4	61,390	3/4	53,788	3/4	46,198	3/4	38,637
7/8	106,843	7/8	99,241	7/8	91,639	7/8	84,037	7/8	76,435	7/8	68,833	7/8	61,231	7/8	53,630	7/8	46,040	7/8	38,479
3	106,685	9	99,083	3	91,481	9	83,879	3	76,277	9	68,675	3	61,073	9	53,471	3	45,882	9	38,322
1/8	106,526	1/8	98,924	1/8	91,322	1/8	83,721	1/8	76,119	1/8	68,517	1/8	60,915	1/8	53,313	1/8	45,725	1/8	38,164
1/4	106,368	1/4	98,766	1/4	91,164	1/4	83,562	1/4	75,960	1/4	68,358	1/4	60,756	1/4	53,154	1/4	45,567	1/4	38,007
3/8	106,210	3/8	98,608	3/8	91,006	3/8	83,404	3/8	75,802	3/8	68,200	3/8	60,598	3/8	52,996	3/8	45,410	3/8	37,849
1/2	106,051	1/2	98,449	1/2	90,847	1/2	83,245	1/2	75,643	1/2	68,042	1/2	60,440	1/2	52,838	1/2	45,252	1/2	37,692
5/8	105,893	5/8	98,291	5/8	90,689	5/8	83,087	5/8	75,485	5/8	67,883	5/8	60,281	5/8	52,679	5/8	45,095	5/8	37,534
3/4	105,734	3/4	98,133	3/4	90,531	3/4	82,929	3/4	75,327	3/4	67,725	3/4	60,123	3/4	52,521	3/4	44,937	3/4	37,377
7/8	105,576	7/8	97,974	7/8	90,372	7/8	82,770	7/8	75,168	7/8	67,566	7/8	59,964	7/8	52,363	7/8	44,780	7/8	37,219
4	105,418	10	97,816	4	90,214	10	82,612	4	75,010	10	67,408	4	59,806	10	52,204	4	44,622	10	37,062
1/8	105,259	1/8	97,657	1/8	90,055	1/8	82,454	1/8	74,852	1/8	67,250	1/8	59,648	1/8	52,046	1/8	44,465	1/8	36,904
1/4	105,101	1/4	97,499	1/4	89,897	1/4	82,295	1/4	74,693	1/4	67,091	1/4	59,489	1/4	51,887	1/4	44,307	1/4	36,747
3/8	104,943	3/8	97,341	3/8	89,739	3/8	82,137	3/8	74,535	3/8	66,933	3/8	59,331	3/8	51,729	3/8	44,150	3/8	36,589
1/2	104,784	1/2	97,182	1/2	89,580	1/2	81,978	1/2	74,376	1/2	66,775	1/2	59,173	1/2	51,571	1/2	43,992	1/2	36,432
5/8	104,626	5/8	97,024	5/8	89,422	5/8	81,820	5/8	74,218	5/8	66,616	5/8	59,014	5/8	51,412	5/8	43,835	5/8	36,274
3/4	104,467	3/4	96,866	3/4	89,264	3/4	81,662	3/4	74,060	3/4	66,458	3/4	58,856	3/4	51,254	3/4	43,677	3/4	36,117
7/8	104,309	7/8	96,707	7/8	89,105	7/8	81,503	7/8	73,901	7/8	66,299	7/8	58,697	7/8	51,096	7/8	43,520	7/8	35,959
5	104,151	11	96,549	5	88,947	11	81,345	5	73,743	11	66,141	5	58,539	11	50,937	5	43,362	11	35,802
1/8	103,992	1/8	96,390	1/8	88,788	1/8	81,187	1/8	73,585	1/8	65,983	1/8	58,381	1/8	50,779	1/8	43,205	1/8	35,644
1/4	103,834	1/4	96,232	1/4	88,630	1/4	81,028	1/4	73,426	1/4	65,824	1/4	58,222	1/4	50,620	1/4	43,047	1/4	35,487
3/8	103,676	3/8	96,074	3/8	88,472	3/8	80,870	3/8	73,268	3/8	65,666	3/8	58,064	3/8	50,462	3/8	42,890	3/8	35,329
1/2	103,517	1/2	95,915	1/2	88,313	1/2	80,711	1/2	73,109	1/2	65,508	1/2	57,906	1/2	50,304	1/2	42,732	1/2	35,171
5/8	103,359	5/8	95,757	5/8	88,155	5/8	80,553	5/8	72,951	5/8	65,349	5/8	57,747	5/8	50,145	5/8	42,575	5/8	35,014
3/4	103,200	3/4	95,599	3/4	87,997	3/4	80,395	3/4	72,793	3/4	65,191	3/4	57,589	3/4	49,987	3/4	42,417	3/4	34,856
7/8	103,042	7/8	95,440	7/8	87,838	7/8	80,236	7/8	72,634	7/8	65,032	7/8	57,431	7/8	49,829	7/8	42,260	7/8	34,699

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UT)

NOTE: GAUGE POINT IS LOCATED 42' 0" FORWARD OF AFT BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

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.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration

ULLAGE GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	15 FT.	IN	15 FT.	IN	16 FT.	IN	16 FT.	IN	17 FT.	IN	17 FT.	IN	18 FT.	IN	18 FT.	IN	19 FT.	IN	19 FT.
0	34,541	6	26,947	0	19,346	6	11,745	0	4,055	6		0		6		0		6	
1/8	34,384	1/8	26,789	1/8	19,188	1/8	11,587	1/8	3,893	1/8		1/8		1/8		1/8		1/8	
1/4	34,226	1/4	26,630	1/4	19,029	1/4	11,428	1/4	3,735	1/4		1/4		1/4		1/4		1/4	
3/8	34,069	3/8	26,472	3/8	18,871	3/8	11,270	3/8	3,580	3/8		3/8		3/8		3/8		3/8	
1/2	33,911	1/2	26,314	1/2	18,713	1/2	11,111	1/2	3,428	1/2		1/2		1/2		1/2		1/2	
5/8	33,753	5/8	26,155	5/8	18,554	5/8	10,953	5/8	3,279	5/8		5/8		5/8		5/8		5/8	
3/4	33,596	3/4	25,997	3/4	18,396	3/4	10,795	3/4	3,134	3/4		3/4		3/4		3/4		3/4	
7/8	33,438	7/8	25,839	7/8	18,237	7/8	10,636	7/8	2,992	7/8		7/8		7/8		7/8		7/8	
1	33,281	7	25,680	1	18,079	7	10,478	1	2,854	7		1		7		1		7	
1/8	33,123	1/8	25,522	1/8	17,921	1/8	10,320	1/8	2,719	1/8		1/8		1/8		1/8		1/8	
1/4	32,965	1/4	25,363	1/4	17,762	1/4	10,161	1/4	2,587	1/4		1/4		1/4		1/4		1/4	
3/8	32,806	3/8	25,205	3/8	17,604	3/8	10,003	3/8	2,458	3/8		3/8		3/8		3/8		3/8	
1/2	32,648	1/2	25,047	1/2	17,446	1/2	9,845	1/2	2,333	1/2		1/2		1/2		1/2		1/2	
5/8	32,490	5/8	24,888	5/8	17,287	5/8	9,686	5/8	2,211	5/8		5/8		5/8		5/8		5/8	
3/4	32,331	3/4	24,730	3/4	17,129	3/4	9,528	3/4	2,092	3/4		3/4		3/4		3/4		3/4	
7/8	32,173	7/8	24,572	7/8	16,971	7/8	9,370	7/8	1,976	7/8		7/8		7/8		7/8		7/8	
2	32,014	8	24,413	2	16,812	8	9,211	2	1,864	8		2		8		2		8	
1/8	31,856	1/8	24,255	1/8	16,654	1/8	9,053	1/8	1,755	1/8		1/8		1/8		1/8		1/8	
1/4	31,698	1/4	24,097	1/4	16,496	1/4	8,894	1/4	1,650	1/4		1/4		1/4		1/4		1/4	
3/8	31,539	3/8	23,938	3/8	16,337	3/8	8,736	3/8	1,548	3/8		3/8		3/8		3/8		3/8	
1/2	31,381	1/2	23,780	1/2	16,179	1/2	8,578	1/2	1,449	1/2		1/2		1/2		1/2		1/2	
5/8	31,223	5/8	23,622	5/8	16,020	5/8	8,419	5/8	1,353	5/8		5/8		5/8		5/8		5/8	
3/4	31,064	3/4	23,463	3/4	15,862	3/4	8,261	3/4	1,261	3/4		3/4		3/4		3/4		3/4	
7/8	30,906	7/8	23,305	7/8	15,704	7/8	8,103	7/8	1,172	7/8		7/8		7/8		7/8		7/8	
3	30,748	9	23,146	3	15,545	9	7,944	3	1,086	9		3		9		3		9	
1/8	30,589	1/8	22,988	1/8	15,387	1/8	7,786	1/8	1,003	1/8		1/8		1/8		1/8		1/8	
1/4	30,431	1/4	22,830	1/4	15,229	1/4	7,628	1/4	924	1/4		1/4		1/4		1/4		1/4	
3/8	30,273	3/8	22,671	3/8	15,070	3/8	7,469	3/8	848	3/8		3/8		3/8		3/8		3/8	
1/2	30,114	1/2	22,513	1/2	14,912	1/2	7,311	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	29,956	5/8	22,355	5/8	14,754	5/8	7,153	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	29,797	3/4	22,196	3/4	14,595	3/4	6,994	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	29,639	7/8	22,038	7/8	14,437	7/8	6,836	7/8		7/8		7/8		7/8		7/8		7/8	
4	29,481	10	21,880	4	14,279	10	6,677	4		10		4		10		4		10	
1/8	29,322	1/8	21,721	1/8	14,120	1/8	6,519	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	29,164	1/4	21,563	1/4	13,962	1/4	6,361	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	29,006	3/8	21,405	3/8	13,803	3/8	6,202	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	28,847	1/2	21,246	1/2	13,645	1/2	6,044	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	28,689	5/8	21,088	5/8	13,487	5/8	5,886	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	28,531	3/4	20,930	3/4	13,328	3/4	5,727	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	28,372	7/8	20,771	7/8	13,170	7/8	5,569	7/8		7/8		7/8		7/8		7/8		7/8	
5	28,214	11	20,613	5	13,012	11	5,411	5		11		5		11		5		11	
1/8	28,056	1/8	20,454	1/8	12,853	1/8	5,252	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	27,897	1/4	20,296	1/4	12,695	1/4	5,094	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	27,739	3/8	20,138	3/8	12,537	3/8	4,912	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	27,580	1/2	19,979	1/2	12,378	1/2	4,734	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	27,422	5/8	19,821	5/8	12,220	5/8	4,559	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	27,264	3/4	19,663	3/4	12,062	3/4	4,388	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	27,105	7/8	19,504	7/8	11,903	7/8	4,220	7/8		7/8		7/8		7/8		7/8		7/8	

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NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UT)

NOTE: GAUGE POINT IS LOCATED 42" 0" FORWARD OF AFT BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

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DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration

ULLAGE GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 1/8"

IN	FT.	IN	FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0		6		0		6		0		6	187,442	0	184,265	6	180,225	0	176,186	6	172,117
1/8		1/8		1/8		1/8		1/8		1/8	187,412	1/8	184,180	1/8	180,141	1/8	176,101	1/8	172,032
1/4		1/4		1/4		1/4		1/4		1/4	187,380	1/4	184,096	1/4	180,057	1/4	176,016	1/4	171,947
3/8		3/8		3/8		3/8		3/8		3/8	187,347	3/8	184,012	3/8	179,973	3/8	175,931	3/8	171,863
1/2		1/2		1/2		1/2		1/2		1/2	187,312	1/2	183,928	1/2	179,889	1/2	175,847	1/2	171,778
5/8		5/8		5/8		5/8		5/8		5/8	187,275	5/8	183,844	5/8	179,804	5/8	175,762	5/8	171,693
3/4		3/4		3/4		3/4		3/4		3/4	187,236	3/4	183,759	3/4	179,720	3/4	175,677	3/4	171,608
7/8		7/8		7/8		7/8		7/8		7/8	187,196	7/8	183,675	7/8	179,636	7/8	175,592	7/8	171,524
1		7		1		7		1		7	187,154	1	183,591	7	179,552	1	175,507	7	171,439
1/8		1/8		1/8		1/8		1/8		1/8	187,110	1/8	183,507	1/8	179,468	1/8	175,423	1/8	171,354
1/4		1/4		1/4		1/4		1/4		1/4	187,064	1/4	183,423	1/4	179,384	1/4	175,338	1/4	171,269
3/8		3/8		3/8		3/8		3/8		3/8	187,016	3/8	183,339	3/8	179,300	3/8	175,253	3/8	171,185
1/2		1/2		1/2		1/2		1/2		1/2	186,967	1/2	183,254	1/2	179,215	1/2	175,168	1/2	171,100
5/8		5/8		5/8		5/8		5/8		5/8	186,916	5/8	183,170	5/8	179,131	5/8	175,084	5/8	171,015
3/4		3/4		3/4		3/4		3/4		3/4	186,863	3/4	183,086	3/4	179,047	3/4	174,999	3/4	170,930
7/8		7/8		7/8		7/8		7/8		7/8	186,809	7/8	183,002	7/8	178,963	7/8	174,914	7/8	170,845
2		8		2		8		2		8	186,752	2	182,918	8	178,879	2	174,829	8	170,761
1/8		1/8		1/8		1/8		1/8		1/8	186,694	1/8	182,834	1/8	178,795	1/8	174,745	1/8	170,676
1/4		1/4		1/4		1/4		1/4		1/4	186,634	1/4	182,750	1/4	178,711	1/4	174,660	1/4	170,591
3/8		3/8		3/8		3/8		3/8		3/8	186,573	3/8	182,665	3/8	178,626	3/8	174,575	3/8	170,506
1/2		1/2		1/2		1/2		1/2		1/2	186,509	1/2	182,581	1/2	178,542	1/2	174,490	1/2	170,422
5/8		5/8		5/8		5/8		5/8		5/8	186,444	5/8	182,497	5/8	178,458	5/8	174,406	5/8	170,337
3/4		3/4		3/4		3/4		3/4		3/4	186,377	3/4	182,413	3/4	178,374	3/4	174,321	3/4	170,252
7/8		7/8		7/8		7/8		7/8		7/8	186,309	7/8	182,329	7/8	178,290	7/8	174,236	7/8	170,167
3		9		3		9		3		9	186,238	3	182,245	9	178,206	3	174,151	9	170,083
1/8		1/8		1/8		1/8		1/8		1/8	186,166	1/8	182,160	1/8	178,122	1/8	174,066	1/8	169,998
1/4		1/4		1/4		1/4		1/4		1/4	186,092	1/4	182,076	1/4	178,037	1/4	173,982	1/4	169,913
3/8		3/8		3/8		3/8		3/8		3/8	186,016	3/8	181,992	3/8	177,953	3/8	173,897	3/8	169,828
1/2		1/2		1/2		1/2		1/2		1/2	185,939	1/2	181,908	1/2	177,869	1/2	173,812	1/2	169,744
5/8		5/8		5/8		5/8		5/8		5/8	185,859	5/8	181,824	5/8	177,785	5/8	173,727	5/8	169,659
3/4		3/4		3/4		3/4		3/4		3/4	185,778	3/4	181,740	3/4	177,701	3/4	173,643	3/4	169,574
7/8		7/8		7/8		7/8		7/8	187,688	7/8	185,695	7/8	181,656	7/8	177,617	7/8	173,558	7/8	169,489
4		10		4		10		4	187,688	10	185,611	4	181,571	10	177,533	4	173,473	10	169,405
1/8		1/8		1/8		1/8		1/8	187,686	1/8	185,527	1/8	181,487	1/8	177,448	1/8	173,388	1/8	169,320
1/4		1/4		1/4		1/4		1/4	187,682	1/4	185,443	1/4	181,403	1/4	177,364	1/4	173,304	1/4	169,235
3/8		3/8		3/8		3/8		3/8	187,676	3/8	185,359	3/8	181,319	3/8	177,280	3/8	173,219	3/8	169,150
1/2		1/2		1/2		1/2		1/2	187,669	1/2	185,275	1/2	181,235	1/2	177,196	1/2	173,134	1/2	169,065
5/8		5/8		5/8		5/8		5/8	187,660	5/8	185,190	5/8	181,151	5/8	177,112	5/8	173,049	5/8	168,981
3/4		3/4		3/4		3/4		3/4	187,649	3/4	185,106	3/4	181,067	3/4	177,028	3/4	172,965	3/4	168,896
7/8		7/8		7/8		7/8		7/8	187,636	7/8	185,022	7/8	180,982	7/8	176,943	7/8	172,880	7/8	168,811
5		11		5		11		5	187,621	11	184,938	5	180,898	11	176,859	5	172,795	11	168,726
1/8		1/8		1/8		1/8		1/8	187,605	1/8	184,854	1/8	180,814	1/8	176,775	1/8	172,710	1/8	168,642
1/4		1/4		1/4		1/4		1/4	187,587	1/4	184,770	1/4	180,730	1/4	176,691	1/4	172,626	1/4	168,557
3/8		3/8		3/8		3/8		3/8	187,567	3/8	184,685	3/8	180,646	3/8	176,607	3/8	172,541	3/8	168,472
1/2		1/2		1/2		1/2		1/2	187,545	1/2	184,601	1/2	180,562	1/2	176,523	1/2	172,456	1/2	168,387
5/8		5/8		5/8		5/8		5/8	187,522	5/8	184,517	5/8	180,478	5/8	176,439	5/8	172,371	5/8	168,303
3/4		3/4		3/4		3/4		3/4	187,497	3/4	184,433	3/4	180,393	3/4	176,354	3/4	172,286	3/4	168,218
7/8		7/8		7/8		7/8		7/8	187,470	7/8	184,349	7/8	180,309	7/8	176,270	7/8	172,202	7/8	168,133

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UT)

NOTE: GAUGE POINT IS LOCATED 32' 04" AFT OF FORWARD BULKHEAD; 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES

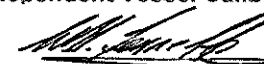
OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration



ULLAGE GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 1/8"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	168,048	6	163,980	0	159,911	6	155,842	0	151,774	6	147,632	0	140,065	6	132,497	0	124,929	6	117,360
1/8	167,964	1/8	163,895	1/8	159,826	1/8	155,758	1/8	151,689	1/8	147,475	1/8	139,907	1/8	132,339	1/8	124,771	1/8	117,202
1/4	167,879	1/4	163,810	1/4	159,742	1/4	155,673	1/4	151,604	1/4	147,317	1/4	139,749	1/4	132,181	1/4	124,614	1/4	117,045
3/8	167,794	3/8	163,725	3/8	159,657	3/8	155,588	3/8	151,519	3/8	147,159	3/8	139,592	3/8	132,024	3/8	124,456	3/8	116,887
1/2	167,709	1/2	163,641	1/2	159,572	1/2	155,503	1/2	151,435	1/2	147,002	1/2	139,434	1/2	131,866	1/2	124,298	1/2	116,729
5/8	167,624	5/8	163,556	5/8	159,487	5/8	155,419	5/8	151,350	5/8	146,844	5/8	139,276	5/8	131,708	5/8	124,141	5/8	116,571
3/4	167,540	3/4	163,471	3/4	159,402	3/4	155,334	3/4	151,265	3/4	146,686	3/4	139,119	3/4	131,551	3/4	123,983	3/4	116,414
7/8	167,455	7/8	163,386	7/8	159,318	7/8	155,249	7/8	151,180	7/8	146,529	7/8	138,961	7/8	131,393	7/8	123,825	7/8	116,256
1	167,370	7	163,302	1	159,233	7	155,164	1	151,096	7	146,371	1	138,803	7	131,236	1	123,668	7	116,098
1/8	167,285	1/8	163,217	1/8	159,148	1/8	155,080	1/8	151,011	1/8	146,213	1/8	138,646	1/8	131,078	1/8	123,510	1/8	115,941
1/4	167,201	1/4	163,132	1/4	159,063	1/4	154,995	1/4	150,926	1/4	146,056	1/4	138,488	1/4	130,920	1/4	123,352	1/4	115,783
3/8	167,116	3/8	163,047	3/8	158,979	3/8	154,910	3/8	150,841	3/8	145,898	3/8	138,330	3/8	130,763	3/8	123,195	3/8	115,625
1/2	167,031	1/2	162,963	1/2	158,894	1/2	154,825	1/2	150,757	1/2	145,740	1/2	138,173	1/2	130,605	1/2	123,037	1/2	115,467
5/8	166,946	5/8	162,878	5/8	158,809	5/8	154,740	5/8	150,672	5/8	145,583	5/8	138,015	5/8	130,447	5/8	122,879	5/8	115,310
3/4	166,862	3/4	162,793	3/4	158,724	3/4	154,656	3/4	150,587	3/4	145,425	3/4	137,857	3/4	130,290	3/4	122,722	3/4	115,152
7/8	166,777	7/8	162,708	7/8	158,640	7/8	154,571	7/8	150,502	7/8	145,267	7/8	137,700	7/8	130,132	7/8	122,564	7/8	114,994
2	166,692	8	162,623	2	158,555	8	154,486	2	150,418	8	145,110	2	137,542	8	129,974	2	122,406	8	114,837
1/8	166,607	1/8	162,539	1/8	158,470	1/8	154,401	1/8	150,333	1/8	144,952	1/8	137,384	1/8	129,817	1/8	122,249	1/8	114,679
1/4	166,523	1/4	162,454	1/4	158,385	1/4	154,317	1/4	150,248	1/4	144,794	1/4	137,227	1/4	129,659	1/4	122,091	1/4	114,521
3/8	166,438	3/8	162,369	3/8	158,301	3/8	154,232	3/8	150,163	3/8	144,637	3/8	137,069	3/8	129,501	3/8	121,934	3/8	114,363
1/2	166,353	1/2	162,284	1/2	158,216	1/2	154,147	1/2	150,079	1/2	144,479	1/2	136,911	1/2	129,344	1/2	121,776	1/2	114,206
5/8	166,268	5/8	162,200	5/8	158,131	5/8	154,062	5/8	149,994	5/8	144,321	5/8	136,754	5/8	129,186	5/8	121,618	5/8	114,048
3/4	166,184	3/4	162,115	3/4	158,046	3/4	153,978	3/4	149,909	3/4	144,164	3/4	136,596	3/4	129,028	3/4	121,461	3/4	113,890
7/8	166,099	7/8	162,030	7/8	157,961	7/8	153,893	7/8	149,824	7/8	144,006	7/8	136,438	7/8	128,871	7/8	121,303	7/8	113,732
3	166,014	9	161,945	3	157,877	9	153,808	3	149,739	9	143,848	3	136,281	9	128,713	3	121,145	9	113,575
1/8	165,929	1/8	161,861	1/8	157,792	1/8	153,723	1/8	149,655	1/8	143,691	1/8	136,123	1/8	128,555	1/8	120,987	1/8	113,417
1/4	165,844	1/4	161,776	1/4	157,707	1/4	153,639	1/4	149,570	1/4	143,533	1/4	135,965	1/4	128,398	1/4	120,830	1/4	113,259
3/8	165,760	3/8	161,691	3/8	157,622	3/8	153,554	3/8	149,485	3/8	143,375	3/8	135,808	3/8	128,240	3/8	120,672	3/8	113,102
1/2	165,675	1/2	161,606	1/2	157,538	1/2	153,469	1/2	149,400	1/2	143,218	1/2	135,650	1/2	128,082	1/2	120,514	1/2	112,944
5/8	165,590	5/8	161,522	5/8	157,453	5/8	153,384	5/8	149,316	5/8	143,060	5/8	135,492	5/8	127,925	5/8	120,357	5/8	112,786
3/4	165,505	3/4	161,437	3/4	157,368	3/4	153,300	3/4	149,231	3/4	142,902	3/4	135,335	3/4	127,767	3/4	120,199	3/4	112,628
7/8	165,421	7/8	161,352	7/8	157,283	7/8	153,215	7/8	149,146	7/8	142,745	7/8	135,177	7/8	127,609	7/8	120,041	7/8	112,471
4	165,336	10	161,267	4	157,199	10	153,130	4	149,061	10	142,587	4	135,019	10	127,452	4	119,883	10	112,313
1/8	165,251	1/8	161,182	1/8	157,114	1/8	153,045	1/8	148,977	1/8	142,429	1/8	134,862	1/8	127,294	1/8	119,726	1/8	112,155
1/4	165,166	1/4	161,098	1/4	157,029	1/4	152,960	1/4	148,892	1/4	142,272	1/4	134,704	1/4	127,136	1/4	119,568	1/4	111,998
3/8	165,082	3/8	161,013	3/8	156,944	3/8	152,876	3/8	148,807	3/8	142,114	3/8	134,546	3/8	126,979	3/8	119,410	3/8	111,840
1/2	164,997	1/2	160,928	1/2	156,860	1/2	152,791	1/2	148,722	1/2	141,956	1/2	134,389	1/2	126,821	1/2	119,253	1/2	111,682
5/8	164,912	5/8	160,843	5/8	156,775	5/8	152,706	5/8	148,638	5/8	141,799	5/8	134,231	5/8	126,663	5/8	119,095	5/8	111,524
3/4	164,827	3/4	160,759	3/4	156,690	3/4	152,621	3/4	148,553	3/4	141,641	3/4	134,073	3/4	126,506	3/4	118,937	3/4	111,367
7/8	164,743	7/8	160,674	7/8	156,605	7/8	152,537	7/8	148,468	7/8	141,483	7/8	133,916	7/8	126,348	7/8	118,779	7/8	111,209
5	164,658	11	160,589	5	156,521	11	152,452	5	148,383	11	141,326	5	133,758	11	126,190	5	118,622	11	111,051
1/8	164,573	1/8	160,504	1/8	156,436	1/8	152,367	1/8	148,298	1/8	141,168	1/8	133,600	1/8	126,033	1/8	118,464	1/8	110,894
1/4	164,488	1/4	160,420	1/4	156,351	1/4	152,282	1/4	148,214	1/4	141,010	1/4	133,443	1/4	125,875	1/4	118,306	1/4	110,736
3/8	164,403	3/8	160,335	3/8	156,266	3/8	152,198	3/8	148,129	3/8	140,853	3/8	133,285	3/8	125,717	3/8	118,149	3/8	110,578
1/2	164,319	1/2	160,250	1/2	156,181	1/2	152,113	1/2	148,044	1/2	140,695	1/2	133,127	1/2	125,560	1/2	117,991	1/2	110,420
5/8	164,234	5/8	160,165	5/8	156,097	5/8	152,028	5/8	147,959	5/8	140,538	5/8	132,970	5/8	125,402	5/8	117,833	5/8	110,263
3/4	164,149	3/4	160,081	3/4	156,012	3/4	151,943	3/4	147,875	3/4	140,380	3/4	132,812	3/4	125,244	3/4	117,675	3/4	110,105
7/8	164,064	7/8	159,996	7/8	155,927	7/8	151,859	7/8	147,790	7/8	140,222	7/8	132,654	7/8	125,087	7/8	117,518	7/8	109,947

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UTI)

NOTE: GAUGE POINT IS LOCATED 32" 04" AFT OF FORWARD BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

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.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 1/8"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	109,790	6	102,219	0	94,649	6	87,078	0	79,508	6	71,938	0	64,367	6	56,797	0	49,227	6	41,658
1/8	109,632	1/8	102,062	1/8	94,491	1/8	86,921	1/8	79,350	1/8	71,780	1/8	64,210	1/8	56,639	1/8	49,069	1/8	41,501
1/4	109,474	1/4	101,904	1/4	94,333	1/4	86,763	1/4	79,193	1/4	71,622	1/4	64,052	1/4	56,482	1/4	48,911	1/4	41,343
3/8	109,316	3/8	101,746	3/8	94,176	3/8	86,605	3/8	79,035	3/8	71,465	3/8	63,894	3/8	56,324	3/8	48,754	3/8	41,185
1/2	109,159	1/2	101,588	1/2	94,018	1/2	86,448	1/2	78,877	1/2	71,307	1/2	63,736	1/2	56,166	1/2	48,596	1/2	41,028
5/8	109,001	5/8	101,431	5/8	93,860	5/8	86,290	5/8	78,720	5/8	71,149	5/8	63,579	5/8	56,008	5/8	48,438	5/8	40,870
3/4	108,843	3/4	101,273	3/4	93,703	3/4	86,132	3/4	78,562	3/4	70,991	3/4	63,421	3/4	55,851	3/4	48,281	3/4	40,712
7/8	108,686	7/8	101,115	7/8	93,545	7/8	85,974	7/8	78,404	7/8	70,834	7/8	63,263	7/8	55,693	7/8	48,123	7/8	40,555
1	108,528	7	100,957	1	93,387	7	85,817	1	78,246	7	70,676	1	63,106	7	55,535	1	47,965	7	40,397
1/8	108,370	1/8	100,800	1/8	93,229	1/8	85,659	1/8	78,089	1/8	70,518	1/8	62,948	1/8	55,378	1/8	47,808	1/8	40,239
1/4	108,212	1/4	100,642	1/4	93,072	1/4	85,501	1/4	77,931	1/4	70,361	1/4	62,790	1/4	55,220	1/4	47,650	1/4	40,082
3/8	108,055	3/8	100,484	3/8	92,914	3/8	85,344	3/8	77,773	3/8	70,203	3/8	62,632	3/8	55,062	3/8	47,492	3/8	39,924
1/2	107,897	1/2	100,327	1/2	92,756	1/2	85,186	1/2	77,615	1/2	70,045	1/2	62,475	1/2	54,904	1/2	47,335	1/2	39,766
5/8	107,739	5/8	100,169	5/8	92,599	5/8	85,028	5/8	77,458	5/8	69,887	5/8	62,317	5/8	54,747	5/8	47,177	5/8	39,609
3/4	107,582	3/4	100,011	3/4	92,441	3/4	84,870	3/4	77,300	3/4	69,730	3/4	62,159	3/4	54,589	3/4	47,019	3/4	39,451
7/8	107,424	7/8	99,853	7/8	92,283	7/8	84,713	7/8	77,142	7/8	69,572	7/8	62,002	7/8	54,431	7/8	46,862	7/8	39,293
2	107,266	8	99,696	2	92,125	8	84,555	2	76,985	8	69,414	2	61,844	8	54,274	2	46,704	8	39,136
1/8	107,108	1/8	99,538	1/8	91,968	1/8	84,397	1/8	76,827	1/8	69,257	1/8	61,686	1/8	54,116	1/8	46,546	1/8	38,978
1/4	106,951	1/4	99,380	1/4	91,810	1/4	84,240	1/4	76,669	1/4	69,099	1/4	61,528	1/4	53,958	1/4	46,389	1/4	38,820
3/8	106,793	3/8	99,223	3/8	91,652	3/8	84,082	3/8	76,511	3/8	68,941	3/8	61,371	3/8	53,800	3/8	46,231	3/8	38,663
1/2	106,635	1/2	99,065	1/2	91,495	1/2	83,924	1/2	76,354	1/2	68,783	1/2	61,213	1/2	53,643	1/2	46,073	1/2	38,505
5/8	106,478	5/8	98,907	5/8	91,337	5/8	83,766	5/8	76,196	5/8	68,626	5/8	61,055	5/8	53,485	5/8	45,916	5/8	38,347
3/4	106,320	3/4	98,749	3/4	91,179	3/4	83,609	3/4	76,038	3/4	68,468	3/4	60,898	3/4	53,327	3/4	45,758	3/4	38,190
7/8	106,162	7/8	98,592	7/8	91,021	7/8	83,451	7/8	75,881	7/8	68,310	7/8	60,740	7/8	53,169	7/8	45,600	7/8	38,032
3	106,004	9	98,434	3	90,864	9	83,293	3	75,723	9	68,153	3	60,582	9	53,012	3	45,443	9	37,874
1/8	105,847	1/8	98,276	1/8	90,706	1/8	83,136	1/8	75,565	1/8	67,995	1/8	60,424	1/8	52,854	1/8	45,285	1/8	37,717
1/4	105,689	1/4	98,119	1/4	90,548	1/4	82,978	1/4	75,407	1/4	67,837	1/4	60,267	1/4	52,696	1/4	45,127	1/4	37,559
3/8	105,531	3/8	97,961	3/8	90,391	3/8	82,820	3/8	75,250	3/8	67,679	3/8	60,109	3/8	52,539	3/8	44,970	3/8	37,401
1/2	105,374	1/2	97,803	1/2	90,233	1/2	82,662	1/2	75,092	1/2	67,522	1/2	59,951	1/2	52,381	1/2	44,812	1/2	37,244
5/8	105,216	5/8	97,645	5/8	90,075	5/8	82,505	5/8	74,934	5/8	67,364	5/8	59,794	5/8	52,223	5/8	44,654	5/8	37,086
3/4	105,058	3/4	97,488	3/4	89,917	3/4	82,347	3/4	74,777	3/4	67,206	3/4	59,636	3/4	52,065	3/4	44,496	3/4	36,928
7/8	104,900	7/8	97,330	7/8	89,760	7/8	82,189	7/8	74,619	7/8	67,049	7/8	59,478	7/8	51,908	7/8	44,339	7/8	36,771
4	104,743	10	97,172	4	89,602	10	82,032	4	74,461	10	66,891	4	59,320	10	51,750	4	44,181	10	36,613
1/8	104,585	1/8	97,015	1/8	89,444	1/8	81,874	1/8	74,303	1/8	66,733	1/8	59,163	1/8	51,592	1/8	44,023	1/8	36,455
1/4	104,427	1/4	96,857	1/4	89,286	1/4	81,716	1/4	74,146	1/4	66,575	1/4	59,005	1/4	51,435	1/4	43,866	1/4	36,297
3/8	104,270	3/8	96,699	3/8	89,129	3/8	81,558	3/8	73,988	3/8	66,418	3/8	58,847	3/8	51,277	3/8	43,708	3/8	36,140
1/2	104,112	1/2	96,541	1/2	88,971	1/2	81,401	1/2	73,830	1/2	66,260	1/2	58,690	1/2	51,119	1/2	43,550	1/2	35,982
5/8	103,954	5/8	96,384	5/8	88,813	5/8	81,243	5/8	73,673	5/8	66,102	5/8	58,532	5/8	50,961	5/8	43,393	5/8	35,824
3/4	103,796	3/4	96,226	3/4	88,656	3/4	81,085	3/4	73,515	3/4	65,945	3/4	58,374	3/4	50,804	3/4	43,235	3/4	35,667
7/8	103,639	7/8	96,068	7/8	88,498	7/8	80,928	7/8	73,357	7/8	65,787	7/8	58,216	7/8	50,646	7/8	43,077	7/8	35,509
5	103,481	11	95,911	5	88,340	11	80,770	5	73,199	11	65,629	5	58,059	11	50,488	5	42,920	11	35,351
1/8	103,323	1/8	95,753	1/8	88,182	1/8	80,612	1/8	73,042	1/8	65,471	1/8	57,901	1/8	50,331	1/8	42,762	1/8	35,193
1/4	103,166	1/4	95,595	1/4	88,025	1/4	80,454	1/4	72,884	1/4	65,314	1/4	57,743	1/4	50,173	1/4	42,604	1/4	35,036
3/8	103,008	3/8	95,437	3/8	87,867	3/8	80,297	3/8	72,726	3/8	65,156	3/8	57,586	3/8	50,015	3/8	42,447	3/8	34,878
1/2	102,850	1/2	95,280	1/2	87,709	1/2	80,139	1/2	72,569	1/2	64,998	1/2	57,428	1/2	49,857	1/2	42,289	1/2	34,720
5/8	102,692	5/8	95,122	5/8	87,552	5/8	79,981	5/8	72,411	5/8	64,840	5/8	57,270	5/8	49,700	5/8	42,131	5/8	34,563
3/4	102,535	3/4	94,964	3/4	87,394	3/4	79,824	3/4	72,253	3/4	64,683	3/4	57,112	3/4	49,542	3/4	41,974	3/4	34,405
7/8	102,377	7/8	94,807	7/8	87,236	7/8	79,666	7/8	72,095	7/8	64,525	7/8	56,955	7/8	49,384	7/8	41,816	7/8	34,247

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UT)

NOTE: GAUGE POINT IS LOCATED 32" 04" AFT OF FORWARD BULKHEAD; 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

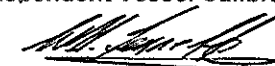
THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration



CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 1/8"

IN	15 FT.	IN	15 FT.	IN	15 FT.	IN	16 FT.	IN	16 FT.	IN	17 FT.	IN	17 FT.	IN	18 FT.	IN	18 FT.	IN	19 FT.	IN	19 FT.
0	34,090	6	26,520	0	18,950	6	11,381	0	3,719	6		0		6		0		6		6	
1/8	33,932	1/8	26,362	1/8	18,793	1/8	11,223	1/8	3,565	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	33,774	1/4	26,204	1/4	18,635	1/4	11,065	1/4	3,414	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	33,616	3/8	26,047	3/8	18,477	3/8	10,908	3/8	3,266	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	33,459	1/2	25,889	1/2	18,320	1/2	10,750	1/2	3,121	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	33,301	5/8	25,731	5/8	18,162	5/8	10,592	5/8	2,980	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	33,143	3/4	25,574	3/4	18,004	3/4	10,435	3/4	2,842	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	32,986	7/8	25,416	7/8	17,846	7/8	10,277	7/8	2,707	7/8		7/8		7/8		7/8		7/8		7/8	
1	32,828	7	25,258	1	17,689	7	10,119	1	2,576	7		1		7		1		7		7	
1/8	32,670	1/8	25,101	1/8	17,531	1/8	9,961	1/8	2,448	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	32,512	1/4	24,943	1/4	17,373	1/4	9,804	1/4	2,323	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	32,355	3/8	24,785	3/8	17,216	3/8	9,646	3/8	2,201	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	32,197	1/2	24,627	1/2	17,058	1/2	9,488	1/2	2,083	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	32,039	5/8	24,470	5/8	16,900	5/8	9,331	5/8	1,968	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	31,882	3/4	24,312	3/4	16,743	3/4	9,173	3/4	1,857	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	31,724	7/8	24,154	7/8	16,585	7/8	9,015	7/8	1,748	7/8		7/8		7/8		7/8		7/8		7/8	
2	31,566	8	23,997	2	16,427	8	8,858	2	1,643	8		2		8		2		8		8	
1/8	31,408	1/8	23,839	1/8	16,269	1/8	8,700	1/8	1,541	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	31,251	1/4	23,681	1/4	16,112	1/4	8,542	1/4	1,443	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	31,093	3/8	23,524	3/8	15,954	3/8	8,384	3/8	1,347	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	30,935	1/2	23,366	1/2	15,796	1/2	8,227	1/2	1,255	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	30,778	5/8	23,208	5/8	15,639	5/8	8,069	5/8	1,167	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	30,620	3/4	23,050	3/4	15,481	3/4	7,911	3/4	1,081	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	30,462	7/8	22,893	7/8	15,323	7/8	7,754	7/8	999	7/8		7/8		7/8		7/8		7/8		7/8	
3	30,305	9	22,735	3	15,166	9	7,596	3	920	9		3		9		3		9		9	
1/8	30,147	1/8	22,577	1/8	15,008	1/8	7,438	1/8	<u>845</u>	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	29,989	1/4	22,420	1/4	14,850	1/4	7,281	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
3/8	29,831	3/8	22,262	3/8	14,692	3/8	7,123	3/8		3/8		3/8		3/8		3/8		3/8		3/8	
1/2	29,674	1/2	22,104	1/2	14,535	1/2	6,965	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
5/8	29,516	5/8	21,947	5/8	14,377	5/8	6,808	5/8		5/8		5/8		5/8		5/8		5/8		5/8	
3/4	29,358	3/4	21,789	3/4	14,219	3/4	6,650	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7/8	29,201	7/8	21,631	7/8	14,062	7/8	6,492	7/8		7/8		7/8		7/8		7/8		7/8		7/8	
4	29,043	10	21,473	4	13,904	10	6,334	4		10		4		10		4		10		10	
1/8	28,885	1/8	21,316	1/8	13,746	1/8	6,177	1/8		1/8		1/8		1/8		1/8		1/8		1/8	
1/4	28,728	1/4	21,158	1/4	13,589	1/4	6,019	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
3/8	28,570	3/8	21,000	3/8	13,431	3/8	5,861	3/8		3/8		3/8		3/8		3/8		3/8		3/8	
1/2	28,412	1/2	20,843	1/2	13,273	1/2	5,704	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
5/8	28,255	5/8	20,685	5/8	13,115	5/8	5,546	5/8		5/8		5/8		5/8		5/8		5/8		5/8	
3/4	28,097	3/4	20,527	3/4	12,958	3/4	5,388	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7/8	27,939	7/8	20,370	7/8	12,800	7/8	5,231	7/8		7/8		7/8		7/8		7/8		7/8		7/8	
5	27,781	11	20,212	5	12,642	11	5,073	5		11		5		11		5		11		11	
1/8	27,624	1/8	20,054	1/8	12,485	1/8	4,892	1/8		1/8		1/8		1/8		1/8		1/8		1/8	
1/4	27,466	1/4	19,896	1/4	12,327	1/4	4,715	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
3/8	27,308	3/8	19,739	3/8	12,169	3/8	4,541	3/8		3/8		3/8		3/8		3/8		3/8		3/8	
1/2	27,151	1/2	19,581	1/2	12,012	1/2	4,370	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
5/8	26,993	5/8	19,423	5/8	11,854	5/8	4,202	5/8		5/8		5/8		5/8		5/8		5/8		5/8	
3/4	26,835	3/4	19,266	3/4	11,696	3/4	4,038	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7/8	26,678	7/8	19,108	7/8	11,538	7/8	3,877	7/8		7/8		7/8		7/8		7/8		7/8		7/8	

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UTI)

NOTE: GAUGE POINT IS LOCATED 32' 04" AFT OF FORWARD BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

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.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	FT.	IN	FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0		6		0		6		0		6	187,102	0	184,043	6	180,010	0	175,977	6	171,915
1/8		1/8		1/8		1/8		1/8		1/8	187,075	1/8	183,959	1/8	179,926	1/8	175,893	1/8	171,831
1/4		1/4		1/4		1/4		1/4		1/4	187,047	1/4	183,875	1/4	179,842	1/4	175,808	1/4	171,746
3/8		3/8		3/8		3/8		3/8		3/8	187,017	3/8	183,791	3/8	179,758	3/8	175,724	3/8	171,661
1/2		1/2		1/2		1/2		1/2		1/2	186,986	1/2	183,707	1/2	179,674	1/2	175,639	1/2	171,577
5/8		5/8		5/8		5/8		5/8		5/8	186,953	5/8	183,623	5/8	179,590	5/8	175,554	5/8	171,492
3/4		3/4		3/4		3/4		3/4		3/4	186,917	3/4	183,539	3/4	179,506	3/4	175,470	3/4	171,407
7/8		7/8		7/8		7/8		7/8		7/8	186,881	7/8	183,454	7/8	179,422	7/8	175,385	7/8	171,323
1		7		1		7		1		7	186,842	1	183,370	7	179,338	1	175,301	7	171,238
1/8		1/8		1/8		1/8		1/8		1/8	186,802	1/8	183,286	1/8	179,254	1/8	175,216	1/8	171,153
1/4		1/4		1/4		1/4		1/4		1/4	186,759	1/4	183,202	1/4	179,170	1/4	175,131	1/4	171,069
3/8		3/8		3/8		3/8		3/8		3/8	186,716	3/8	183,118	3/8	179,086	3/8	175,047	3/8	170,984
1/2		1/2		1/2		1/2		1/2		1/2	186,670	1/2	183,034	1/2	179,002	1/2	174,962	1/2	170,900
5/8		5/8		5/8		5/8		5/8		5/8	186,622	5/8	182,950	5/8	178,918	5/8	174,877	5/8	170,815
3/4		3/4		3/4		3/4		3/4		3/4	186,573	3/4	182,866	3/4	178,834	3/4	174,793	3/4	170,730
7/8		7/8		7/8		7/8		7/8		7/8	186,522	7/8	182,782	7/8	178,750	7/8	174,708	7/8	170,646
2		8		2		8		2		8	186,469	2	182,698	8	178,665	2	174,623	8	170,561
1/8		1/8		1/8		1/8		1/8		1/8	186,415	1/8	182,614	1/8	178,581	1/8	174,539	1/8	170,476
1/4		1/4		1/4		1/4		1/4		1/4	186,359	1/4	182,530	1/4	178,497	1/4	174,454	1/4	170,392
3/8		3/8		3/8		3/8		3/8		3/8	186,301	3/8	182,446	3/8	178,413	3/8	174,370	3/8	170,307
1/2		1/2		1/2		1/2		1/2		1/2	186,241	1/2	182,362	1/2	178,329	1/2	174,285	1/2	170,223
5/8		5/8		5/8		5/8		5/8		5/8	186,179	5/8	182,278	5/8	178,245	5/8	174,200	5/8	170,138
3/4		3/4		3/4		3/4		3/4		3/4	186,116	3/4	182,194	3/4	178,161	3/4	174,116	3/4	170,053
7/8		7/8		7/8		7/8		7/8		7/8	186,051	7/8	182,110	7/8	178,077	7/8	174,031	7/8	169,969
3		9		3		9		3		9	185,984	3	182,026	9	177,993	3	173,946	9	169,884
1/8		1/8		1/8		1/8		1/8		1/8	185,916	1/8	181,942	1/8	177,909	1/8	173,862	1/8	169,799
1/4		1/4		1/4		1/4		1/4		1/4	185,845	1/4	181,858	1/4	177,825	1/4	173,777	1/4	169,715
3/8		3/8		3/8		3/8		3/8		3/8	185,773	3/8	181,774	3/8	177,741	3/8	173,693	3/8	169,630
1/2		1/2		1/2		1/2		1/2		1/2	185,699	1/2	181,690	1/2	177,657	1/2	173,608	1/2	169,545
5/8		5/8		5/8		5/8		5/8		5/8	185,624	5/8	181,606	5/8	177,573	5/8	173,523	5/8	169,461
3/4		3/4		3/4		3/4		3/4		3/4	185,546	3/4	181,522	3/4	177,489	3/4	173,439	3/4	169,376
7/8		7/8		7/8		7/8		7/8		7/8	185,467	7/8	181,438	7/8	177,405	7/8	173,354	7/8	169,292
4		10		4		10		4		10	185,386	4	181,354	10	177,321	4	173,269	10	169,207
1/8		1/8		1/8		1/8		1/8	187,293	1/8	185,304	1/8	181,270	1/8	177,237	1/8	173,185	1/8	169,122
1/4		1/4		1/4		1/4		1/4	187,293	1/4	185,220	1/4	181,186	1/4	177,153	1/4	173,100	1/4	169,038
3/8		3/8		3/8		3/8		3/8	187,291	3/8	185,135	3/8	181,102	3/8	177,069	3/8	173,015	3/8	168,953
1/2		1/2		1/2		1/2		1/2	187,287	1/2	185,051	1/2	181,018	1/2	176,985	1/2	172,931	1/2	168,868
5/8		5/8		5/8		5/8		5/8	187,281	5/8	184,967	5/8	180,934	5/8	176,901	5/8	172,846	5/8	168,784
3/4		3/4		3/4		3/4		3/4	187,274	3/4	184,883	3/4	180,850	3/4	176,817	3/4	172,762	3/4	168,699
7/8		7/8		7/8		7/8		7/8	187,265	7/8	184,799	7/8	180,766	7/8	176,733	7/8	172,677	7/8	168,614
5		11		5		11		5	187,254	11	184,715	5	180,682	11	176,649	5	172,592	11	168,530
1/8		1/8		1/8		1/8		1/8	187,241	1/8	184,631	1/8	180,598	1/8	176,565	1/8	172,508	1/8	168,445
1/4		1/4		1/4		1/4		1/4	187,226	1/4	184,547	1/4	180,514	1/4	176,481	1/4	172,423	1/4	168,361
3/8		3/8		3/8		3/8		3/8	187,210	3/8	184,463	3/8	180,430	3/8	176,397	3/8	172,338	3/8	168,276
1/2		1/2		1/2		1/2		1/2	187,192	1/2	184,379	1/2	180,346	1/2	176,313	1/2	172,254	1/2	168,191
5/8		5/8		5/8		5/8		5/8	187,172	5/8	184,295	5/8	180,262	5/8	176,229	5/8	172,169	5/8	168,107
3/4		3/4		3/4		3/4		3/4	187,151	3/4	184,211	3/4	180,178	3/4	176,145	3/4	172,084	3/4	168,022
7/8		7/8		7/8		7/8		7/8	187,127	7/8	184,127	7/8	180,094	7/8	176,061	7/8	172,000	7/8	167,937

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UTI)

NOTE: GAUGE POINT IS LOCATED 32' 04" AFT OF FORWARD BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

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.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	167,853	6	163,790	0	159,728	6	155,666	0	151,603	6	147,541	0	140,059	6	132,504	0	124,949	6	117,393
1/8	167,768	1/8	163,706	1/8	159,643	1/8	155,581	1/8	151,518	1/8	147,456	1/8	139,901	1/8	132,346	1/8	124,792	1/8	117,236
1/4	167,684	1/4	163,621	1/4	159,559	1/4	155,496	1/4	151,434	1/4	147,299	1/4	139,744	1/4	132,189	1/4	124,634	1/4	117,078
3/8	167,599	3/8	163,536	3/8	159,474	3/8	155,412	3/8	151,349	3/8	147,141	3/8	139,586	3/8	132,032	3/8	124,477	3/8	116,921
1/2	167,514	1/2	163,452	1/2	159,389	1/2	155,327	1/2	151,265	1/2	146,984	1/2	139,429	1/2	131,874	1/2	124,320	1/2	116,763
5/8	167,430	5/8	163,367	5/8	159,305	5/8	155,242	5/8	151,180	5/8	146,826	5/8	139,272	5/8	131,717	5/8	124,162	5/8	116,606
3/4	167,345	3/4	163,283	3/4	159,220	3/4	155,158	3/4	151,095	3/4	146,669	3/4	139,114	3/4	131,560	3/4	124,005	3/4	116,448
7/8	167,260	7/8	163,198	7/8	159,136	7/8	155,073	7/8	151,011	7/8	146,512	7/8	138,957	7/8	131,402	7/8	123,847	7/8	116,291
1	167,176	7	163,113	1	159,051	7	154,988	1	150,926	7	146,354	1	138,800	7	131,245	1	123,690	7	116,133
1/8	167,091	1/8	163,029	1/8	158,966	1/8	154,904	1/8	150,841	1/8	146,197	1/8	138,642	1/8	131,087	1/8	123,533	1/8	115,976
1/4	167,006	1/4	162,944	1/4	158,882	1/4	154,819	1/4	150,757	1/4	146,040	1/4	138,485	1/4	130,930	1/4	123,375	1/4	115,819
3/8	166,922	3/8	162,859	3/8	158,797	3/8	154,735	3/8	150,672	3/8	145,882	3/8	138,327	3/8	130,773	3/8	123,218	3/8	115,661
1/2	166,837	1/2	162,775	1/2	158,712	1/2	154,650	1/2	150,588	1/2	145,725	1/2	138,170	1/2	130,615	1/2	123,060	1/2	115,504
5/8	166,753	5/8	162,690	5/8	158,628	5/8	154,565	5/8	150,503	5/8	145,567	5/8	138,013	5/8	130,458	5/8	122,903	5/8	115,346
3/4	166,668	3/4	162,605	3/4	158,543	3/4	154,481	3/4	150,418	3/4	145,410	3/4	137,855	3/4	130,300	3/4	122,746	3/4	115,189
7/8	166,583	7/8	162,521	7/8	158,458	7/8	154,396	7/8	150,334	7/8	145,253	7/8	137,698	7/8	130,143	7/8	122,588	7/8	115,031
2	166,499	8	162,436	2	158,374	8	154,311	2	150,249	8	145,095	2	137,540	8	129,986	2	122,431	8	114,874
1/8	166,414	1/8	162,352	1/8	158,289	1/8	154,227	1/8	150,164	1/8	144,938	1/8	137,383	1/8	129,828	1/8	122,273	1/8	114,716
1/4	166,329	1/4	162,267	1/4	158,205	1/4	154,142	1/4	150,080	1/4	144,780	1/4	137,226	1/4	129,671	1/4	122,116	1/4	114,559
3/8	166,245	3/8	162,182	3/8	158,120	3/8	154,057	3/8	149,995	3/8	144,623	3/8	137,068	3/8	129,513	3/8	121,959	3/8	114,402
1/2	166,160	1/2	162,098	1/2	158,035	1/2	153,973	1/2	149,910	1/2	144,466	1/2	136,911	1/2	129,356	1/2	121,801	1/2	114,244
5/8	166,075	5/8	162,013	5/8	157,951	5/8	153,888	5/8	149,826	5/8	144,308	5/8	136,753	5/8	129,199	5/8	121,644	5/8	114,087
3/4	165,991	3/4	161,928	3/4	157,866	3/4	153,804	3/4	149,741	3/4	144,151	3/4	136,596	3/4	129,041	3/4	121,486	3/4	113,929
7/8	165,906	7/8	161,844	7/8	157,781	7/8	153,719	7/8	149,657	7/8	143,993	7/8	136,439	7/8	128,884	7/8	121,329	7/8	113,772
3	165,822	9	161,759	3	157,697	9	153,634	3	149,572	9	143,836	3	136,281	9	128,726	3	121,172	9	113,614
1/8	165,737	1/8	161,675	1/8	157,612	1/8	153,550	1/8	149,487	1/8	143,679	1/8	136,124	1/8	128,569	1/8	121,014	1/8	113,457
1/4	165,652	1/4	161,590	1/4	157,527	1/4	153,465	1/4	149,403	1/4	143,521	1/4	135,966	1/4	128,412	1/4	120,857	1/4	113,299
3/8	165,568	3/8	161,505	3/8	157,443	3/8	153,380	3/8	149,318	3/8	143,364	3/8	135,809	3/8	128,254	3/8	120,699	3/8	113,142
1/2	165,483	1/2	161,421	1/2	157,358	1/2	153,296	1/2	149,233	1/2	143,206	1/2	135,652	1/2	128,097	1/2	120,542	1/2	112,985
5/8	165,398	5/8	161,336	5/8	157,274	5/8	153,211	5/8	149,149	5/8	143,049	5/8	135,494	5/8	127,940	5/8	120,385	5/8	112,827
3/4	165,314	3/4	161,251	3/4	157,189	3/4	153,127	3/4	149,064	3/4	142,892	3/4	135,337	3/4	127,782	3/4	120,227	3/4	112,670
7/8	165,229	7/8	161,167	7/8	157,104	7/8	153,042	7/8	148,979	7/8	142,734	7/8	135,180	7/8	127,625	7/8	120,070	7/8	112,512
4	165,145	10	161,082	4	157,020	10	152,957	4	148,895	10	142,577	4	135,022	10	127,467	4	119,912	10	112,355
1/8	165,060	1/8	160,997	1/8	156,935	1/8	152,873	1/8	148,810	1/8	142,420	1/8	134,865	1/8	127,310	1/8	119,755	1/8	112,197
1/4	164,975	1/4	160,913	1/4	156,850	1/4	152,788	1/4	148,726	1/4	142,262	1/4	134,707	1/4	127,153	1/4	119,597	1/4	112,040
3/8	164,891	3/8	160,828	3/8	156,766	3/8	152,703	3/8	148,641	3/8	142,105	3/8	134,550	3/8	126,995	3/8	119,440	3/8	111,882
1/2	164,806	1/2	160,744	1/2	156,681	1/2	152,619	1/2	148,556	1/2	141,947	1/2	134,393	1/2	126,838	1/2	119,282	1/2	111,725
5/8	164,721	5/8	160,659	5/8	156,596	5/8	152,534	5/8	148,472	5/8	141,790	5/8	134,235	5/8	126,680	5/8	119,125	5/8	111,567
3/4	164,637	3/4	160,574	3/4	156,512	3/4	152,449	3/4	148,387	3/4	141,633	3/4	134,078	3/4	126,523	3/4	118,967	3/4	111,410
7/8	164,552	7/8	160,490	7/8	156,427	7/8	152,365	7/8	148,302	7/8	141,475	7/8	133,920	7/8	126,366	7/8	118,810	7/8	111,253
5	164,467	11	160,405	5	156,343	11	152,280	5	148,218	11	141,318	5	133,763	11	126,208	5	118,653	11	111,095
1/8	164,383	1/8	160,320	1/8	156,258	1/8	152,196	1/8	148,133	1/8	141,160	1/8	133,606	1/8	126,051	1/8	118,495	1/8	110,938
1/4	164,298	1/4	160,236	1/4	156,173	1/4	152,111	1/4	148,048	1/4	141,003	1/4	133,448	1/4	125,893	1/4	118,338	1/4	110,780
3/8	164,214	3/8	160,151	3/8	156,089	3/8	152,026	3/8	147,964	3/8	140,846	3/8	133,291	3/8	125,736	3/8	118,180	3/8	110,623
1/2	164,129	1/2	160,066	1/2	156,004	1/2	151,942	1/2	147,879	1/2	140,688	1/2	133,133	1/2	125,579	1/2	118,023	1/2	110,465
5/8	164,044	5/8	159,982	5/8	155,919	5/8	151,857	5/8	147,795	5/8	140,531	5/8	132,976	5/8	125,421	5/8	117,865	5/8	110,308
3/4	163,960	3/4	159,897	3/4	155,835	3/4	151,772	3/4	147,710	3/4	140,373	3/4	132,819	3/4	125,264	3/4	117,708	3/4	110,150
7/8	163,875	7/8	159,813	7/8	155,750	7/8	151,688	7/8	147,625	7/8	140,216	7/8	132,661	7/8	125,106	7/8	117,550	7/8	109,993

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UT)

NOTE: GAUGE POINT IS LOCATED 32" 04" AFT OF FORWARD BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

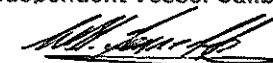
THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration



CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	109,836	6	102,278	0	94,721	6	87,163	0	79,606	6	72,048	0	64,491	6	56,937	0	49,387	6	41,860
1/8	109,678	1/8	102,121	1/8	94,563	1/8	87,006	1/8	79,448	1/8	71,891	1/8	64,334	1/8	56,780	1/8	49,229	1/8	41,703
1/4	109,521	1/4	101,963	1/4	94,406	1/4	86,848	1/4	79,291	1/4	71,734	1/4	64,176	1/4	56,623	1/4	49,072	1/4	41,546
3/8	109,363	3/8	101,806	3/8	94,248	3/8	86,691	3/8	79,133	3/8	71,576	3/8	64,019	3/8	56,465	3/8	48,914	3/8	41,390
1/2	109,206	1/2	101,648	1/2	94,091	1/2	86,533	1/2	78,976	1/2	71,419	1/2	63,861	1/2	56,308	1/2	48,757	1/2	41,233
5/8	109,048	5/8	101,491	5/8	93,933	5/8	86,376	5/8	78,819	5/8	71,261	5/8	63,704	5/8	56,151	5/8	48,600	5/8	41,076
3/4	108,891	3/4	101,333	3/4	93,776	3/4	86,219	3/4	78,661	3/4	71,104	3/4	63,546	3/4	55,994	3/4	48,442	3/4	40,920
7/8	108,733	7/8	101,176	7/8	93,619	7/8	86,061	7/8	78,504	7/8	70,946	7/8	63,389	7/8	55,836	7/8	48,285	7/8	40,763
1	108,576	7	101,019	1	93,461	7	85,904	1	78,346	7	70,789	1	63,231	7	55,679	1	48,127	7	40,606
1/8	108,419	1/8	100,861	1/8	93,304	1/8	85,746	1/8	78,189	1/8	70,631	1/8	63,074	1/8	55,522	1/8	47,970	1/8	40,450
1/4	108,261	1/4	100,704	1/4	93,146	1/4	85,589	1/4	78,031	1/4	70,474	1/4	62,917	1/4	55,364	1/4	47,813	1/4	40,293
3/8	108,104	3/8	100,546	3/8	92,989	3/8	85,431	3/8	77,874	3/8	70,316	3/8	62,759	3/8	55,207	3/8	47,657	3/8	40,136
1/2	107,946	1/2	100,389	1/2	92,831	1/2	85,274	1/2	77,716	1/2	70,159	1/2	62,602	1/2	55,050	1/2	47,500	1/2	39,979
5/8	107,789	5/8	100,231	5/8	92,674	5/8	85,116	5/8	77,559	5/8	70,002	5/8	62,444	5/8	54,892	5/8	47,343	5/8	39,823
3/4	107,631	3/4	100,074	3/4	92,516	3/4	84,959	3/4	77,402	3/4	69,844	3/4	62,287	3/4	54,735	3/4	47,187	3/4	39,666
7/8	107,474	7/8	99,916	7/8	92,359	7/8	84,802	7/8	77,244	7/8	69,687	7/8	62,129	7/8	54,578	7/8	47,030	7/8	39,509
2	107,316	8	99,759	2	92,202	8	84,644	2	77,087	8	69,529	2	61,972	8	54,420	2	46,873	8	39,353
1/8	107,159	1/8	99,602	1/8	92,044	1/8	84,487	1/8	76,929	1/8	69,372	1/8	61,814	1/8	54,263	1/8	46,717	1/8	39,196
1/4	107,002	1/4	99,444	1/4	91,887	1/4	84,329	1/4	76,772	1/4	69,214	1/4	61,657	1/4	54,106	1/4	46,560	1/4	39,039
3/8	106,844	3/8	99,287	3/8	91,729	3/8	84,172	3/8	76,614	3/8	69,057	3/8	61,500	3/8	53,949	3/8	46,403	3/8	38,883
1/2	106,687	1/2	99,129	1/2	91,572	1/2	84,014	1/2	76,457	1/2	68,899	1/2	61,342	1/2	53,791	1/2	46,247	1/2	38,726
5/8	106,529	5/8	98,972	5/8	91,414	5/8	83,857	5/8	76,299	5/8	68,742	5/8	61,185	5/8	53,634	5/8	46,090	5/8	38,569
3/4	106,372	3/4	98,814	3/4	91,257	3/4	83,699	3/4	76,142	3/4	68,585	3/4	61,028	3/4	53,477	3/4	45,933	3/4	38,413
7/8	106,214	7/8	98,657	7/8	91,099	7/8	83,542	7/8	75,985	7/8	68,427	7/8	60,870	7/8	53,319	7/8	45,777	7/8	38,256
3	106,057	9	98,499	3	90,942	9	83,385	3	75,827	9	68,270	3	60,713	9	53,162	3	45,620	9	38,099
1/8	105,899	1/8	98,342	1/8	90,785	1/8	83,227	1/8	75,670	1/8	68,112	1/8	60,556	1/8	53,005	1/8	45,463	1/8	37,943
1/4	105,742	1/4	98,185	1/4	90,627	1/4	83,070	1/4	75,512	1/4	67,955	1/4	60,398	1/4	52,847	1/4	45,307	1/4	37,786
3/8	105,585	3/8	98,027	3/8	90,470	3/8	82,912	3/8	75,355	3/8	67,797	3/8	60,241	3/8	52,690	3/8	45,150	3/8	37,629
1/2	105,427	1/2	97,870	1/2	90,312	1/2	82,755	1/2	75,197	1/2	67,640	1/2	60,084	1/2	52,533	1/2	44,993	1/2	37,473
5/8	105,270	5/8	97,712	5/8	90,155	5/8	82,597	5/8	75,040	5/8	67,482	5/8	59,926	5/8	52,375	5/8	44,836	5/8	37,316
3/4	105,112	3/4	97,555	3/4	89,997	3/4	82,440	3/4	74,882	3/4	67,325	3/4	59,769	3/4	52,218	3/4	44,680	3/4	37,159
7/8	104,955	7/8	97,397	7/8	89,840	7/8	82,282	7/8	74,725	7/8	67,168	7/8	59,612	7/8	52,061	7/8	44,523	7/8	37,003
4	104,797	10	97,240	4	89,682	10	82,125	4	74,568	10	67,010	4	59,454	10	51,904	4	44,366	10	36,846
1/8	104,640	1/8	97,082	1/8	89,525	1/8	81,968	1/8	74,410	1/8	66,853	1/8	59,297	1/8	51,746	1/8	44,210	1/8	36,689
1/4	104,482	1/4	96,925	1/4	89,368	1/4	81,810	1/4	74,253	1/4	66,695	1/4	59,140	1/4	51,589	1/4	44,053	1/4	36,533
3/8	104,325	3/8	96,768	3/8	89,210	3/8	81,653	3/8	74,095	3/8	66,538	3/8	58,982	3/8	51,432	3/8	43,896	3/8	36,376
1/2	104,168	1/2	96,610	1/2	89,053	1/2	81,495	1/2	73,938	1/2	66,380	1/2	58,825	1/2	51,274	1/2	43,740	1/2	36,219
5/8	104,010	5/8	96,453	5/8	88,895	5/8	81,338	5/8	73,780	5/8	66,223	5/8	58,668	5/8	51,117	5/8	43,583	5/8	36,063
3/4	103,853	3/4	96,295	3/4	88,738	3/4	81,180	3/4	73,623	3/4	66,065	3/4	58,510	3/4	50,960	3/4	43,426	3/4	35,906
7/8	103,695	7/8	96,138	7/8	88,580	7/8	81,023	7/8	73,465	7/8	65,908	7/8	58,353	7/8	50,802	7/8	43,270	7/8	35,749
5	103,538	11	95,980	5	88,423	11	80,865	5	73,308	11	65,751	5	58,196	11	50,645	5	43,113	11	35,592
1/8	103,380	1/8	95,823	1/8	88,265	1/8	80,708	1/8	73,151	1/8	65,593	1/8	58,039	1/8	50,488	1/8	42,956	1/8	35,436
1/4	103,223	1/4	95,665	1/4	88,108	1/4	80,551	1/4	72,993	1/4	65,436	1/4	57,881	1/4	50,330	1/4	42,800	1/4	35,279
3/8	103,065	3/8	95,508	3/8	87,951	3/8	80,393	3/8	72,836	3/8	65,278	3/8	57,724	3/8	50,173	3/8	42,643	3/8	35,122
1/2	102,908	1/2	95,350	1/2	87,793	1/2	80,236	1/2	72,678	1/2	65,121	1/2	57,567	1/2	50,016	1/2	42,486	1/2	34,966
5/8	102,750	5/8	95,193	5/8	87,636	5/8	80,078	5/8	72,521	5/8	64,963	5/8	57,409	5/8	49,859	5/8	42,330	5/8	34,809
3/4	102,593	3/4	95,036	3/4	87,478	3/4	79,921	3/4	72,363	3/4	64,806	3/4	57,252	3/4	49,701	3/4	42,173	3/4	34,652
7/8	102,436	7/8	94,878	7/8	87,321	7/8	79,763	7/8	72,206	7/8	64,648	7/8	57,095	7/8	49,544	7/8	42,016	7/8	34,496

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.

NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE (UT)

NOTE: GAUGE POINT IS LOCATED 32' 04" AFT OF FORWARD BULKHEAD: 10' 10" FROM BARGE CENTERLINE.

NOTE: GAUGE POINT OFF GEOMETRIC CENTER OF TANK - APPLY TRIM CORRECTION WHEN APPLICABLE

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.

DATE STRAPPED: 12/23/2011 BY: JLF

DATE COMPUTED: 1/3/2012 BY: WHF

DATE ISSUED: 1/04/2012

Independent Vessel Calibration

ULLAGE GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

IN	15 FT.	IN	15 FT.	IN	16 FT.	IN	16 FT.	IN	17 FT.	IN	17 FT.	IN	18 FT.	IN	18 FT.	IN	19 FT.	IN	19 FT.
0	34,339	6	26,789	0	19,232	6	11,675	0	4,029	6		0		6		0		6	
1/8	34,182	1/8	26,632	1/8	19,074	1/8	11,517	1/8	3,868	1/8		1/8		1/8		1/8		1/8	
1/4	34,026	1/4	26,474	1/4	18,917	1/4	11,360	1/4	3,711	1/4		1/4		1/4		1/4		1/4	
3/8	33,869	3/8	26,317	3/8	18,760	3/8	11,202	3/8	3,557	3/8		3/8		3/8		3/8		3/8	
1/2	33,712	1/2	26,159	1/2	18,602	1/2	11,045	1/2	3,406	1/2		1/2		1/2		1/2		1/2	
5/8	33,556	5/8	26,002	5/8	18,445	5/8	10,887	5/8	3,258	5/8		5/8		5/8		5/8		5/8	
3/4	33,399	3/4	25,844	3/4	18,287	3/4	10,730	3/4	3,114	3/4		3/4		3/4		3/4		3/4	
7/8	33,242	7/8	25,687	7/8	18,130	7/8	10,573	7/8	2,973	7/8		7/8		7/8		7/8		7/8	
1	33,086	7	25,530	1	17,972	7	10,415	1	2,835	7		1		7		1		7	
1/8	32,929	1/8	25,372	1/8	17,815	1/8	10,258	1/8	2,700	1/8		1/8		1/8		1/8		1/8	
1/4	32,772	1/4	25,215	1/4	17,657	1/4	10,100	1/4	2,569	1/4		1/4		1/4		1/4		1/4	
3/8	32,614	3/8	25,057	3/8	17,500	3/8	9,943	3/8	2,441	3/8		3/8		3/8		3/8		3/8	
1/2	32,457	1/2	24,900	1/2	17,343	1/2	9,785	1/2	2,317	1/2		1/2		1/2		1/2		1/2	
5/8	32,299	5/8	24,742	5/8	17,185	5/8	9,628	5/8	2,195	5/8		5/8		5/8		5/8		5/8	
3/4	32,142	3/4	24,585	3/4	17,028	3/4	9,470	3/4	2,077	3/4		3/4		3/4		3/4		3/4	
7/8	31,985	7/8	24,427	7/8	16,870	7/8	9,313	7/8	1,963	7/8		7/8		7/8		7/8		7/8	
2	31,827	8	24,270	2	16,713	8	9,156	2	1,851	8		2		8		2		8	
1/8	31,670	1/8	24,113	1/8	16,555	1/8	8,998	1/8	1,743	1/8		1/8		1/8		1/8		1/8	
1/4	31,512	1/4	23,955	1/4	16,398	1/4	8,841	1/4	1,638	1/4		1/4		1/4		1/4		1/4	
3/8	31,355	3/8	23,798	3/8	16,240	3/8	8,683	3/8	1,537	3/8		3/8		3/8		3/8		3/8	
1/2	31,197	1/2	23,640	1/2	16,083	1/2	8,526	1/2	1,438	1/2		1/2		1/2		1/2		1/2	
5/8	31,040	5/8	23,483	5/8	15,926	5/8	8,368	5/8	1,343	5/8		5/8		5/8		5/8		5/8	
3/4	30,883	3/4	23,325	3/4	15,768	3/4	8,211	3/4	1,252	3/4		3/4		3/4		3/4		3/4	
7/8	30,725	7/8	23,168	7/8	15,611	7/8	8,053	7/8	1,163	7/8		7/8		7/8		7/8		7/8	
3	30,568	9	23,010	3	15,453	9	7,896	3	1,078	9		3		9		3		9	
1/8	30,410	1/8	22,853	1/8	15,296	1/8	7,739	1/8	997	1/8		1/8		1/8		1/8		1/8	
1/4	30,253	1/4	22,696	1/4	15,138	1/4	7,581	1/4	918	1/4		1/4		1/4		1/4		1/4	
3/8	30,095	3/8	22,538	3/8	14,981	3/8	7,424	3/8	843	3/8		3/8		3/8		3/8		3/8	
1/2	29,938	1/2	22,381	1/2	14,823	1/2	7,266	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	29,780	5/8	22,223	5/8	14,666	5/8	7,109	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	29,623	3/4	22,066	3/4	14,509	3/4	6,951	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	29,466	7/8	21,908	7/8	14,351	7/8	6,794	7/8		7/8		7/8		7/8		7/8		7/8	
4	29,308	10	21,751	4	14,194	10	6,637	4		10		4		10		4		10	
1/8	29,151	1/8	21,593	1/8	14,036	1/8	6,479	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	28,993	1/4	21,436	1/4	13,879	1/4	6,322	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	28,836	3/8	21,279	3/8	13,721	3/8	6,164	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	28,678	1/2	21,121	1/2	13,564	1/2	6,007	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	28,521	5/8	20,964	5/8	13,406	5/8	5,849	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	28,363	3/4	20,806	3/4	13,249	3/4	5,692	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	28,206	7/8	20,649	7/8	13,092	7/8	5,534	7/8		7/8		7/8		7/8		7/8		7/8	
5	28,049	11	20,491	5	12,934	11	5,377	5		11		5		11		5		11	
1/8	27,891	1/8	20,334	1/8	12,777	1/8	5,220	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	27,734	1/4	20,176	1/4	12,619	1/4	5,062	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	27,576	3/8	20,019	3/8	12,462	3/8	4,882	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	27,419	1/2	19,862	1/2	12,304	1/2	4,705	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	27,261	5/8	19,704	5/8	12,147	5/8	4,531	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	27,104	3/4	19,547	3/4	11,990	3/4	4,360	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	26,946	7/8	19,389	7/8	11,832	7/8	4,193	7/8		7/8		7/8		7/8		7/8		7/8	

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