

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 8 3/4"

0 FT.		1 FT.		1 FT.		2 FT.		2 FT.		3 FT.		3 FT.		4 FT.		4 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0	850	6	7,485	0	15,102	6	22,719	0	30,337	6	37,954	0	45,569	6	53,186	0	60,804	6	68,422
1/8	926	1/8	7,644	1/8	15,261	1/8	22,878	1/8	30,495	1/8	38,112	1/8	45,727	1/8	53,345	1/8	60,963	1/8	68,581
1/4	1,006	1/4	7,802	1/4	15,420	1/4	23,037	1/4	30,654	1/4	38,271	1/4	45,886	1/4	53,503	1/4	61,121	1/4	68,739
3/8	1,088	3/8	7,961	3/8	15,578	3/8	23,196	3/8	30,813	3/8	38,429	3/8	46,045	3/8	53,662	3/8	61,280	3/8	68,898
1/2	1,174	1/2	8,120	1/2	15,737	1/2	23,354	1/2	30,971	1/2	38,588	1/2	46,203	1/2	53,821	1/2	61,439	1/2	69,057
5/8	1,263	5/8	8,279	5/8	15,896	5/8	23,513	5/8	31,130	5/8	38,747	5/8	46,362	5/8	53,979	5/8	61,597	5/8	69,215
3/4	1,356	3/4	8,437	3/4	16,054	3/4	23,672	3/4	31,289	3/4	38,905	3/4	46,521	3/4	54,138	3/4	61,756	3/4	69,374
7/8	1,452	7/8	8,596	7/8	16,213	7/8	23,830	7/8	31,447	7/8	39,064	7/8	46,679	7/8	54,297	7/8	61,915	7/8	69,533
1	1,551	7	8,755	1	16,372	7	23,989	1	31,606	7	39,223	1	46,838	7	54,456	1	62,074	7	69,692
1/8	1,653	1/8	8,913	1/8	16,530	1/8	24,148	1/8	31,765	1/8	39,381	1/8	46,997	1/8	54,614	1/8	62,232	1/8	69,850
1/4	1,759	1/4	9,072	1/4	16,689	1/4	24,306	1/4	31,924	1/4	39,540	1/4	47,155	1/4	54,773	1/4	62,391	1/4	70,009
3/8	1,868	3/8	9,231	3/8	16,848	3/8	24,465	3/8	32,082	3/8	39,699	3/8	47,314	3/8	54,932	3/8	62,550	3/8	70,168
1/2	1,981	1/2	9,389	1/2	17,007	1/2	24,624	1/2	32,241	1/2	39,857	1/2	47,473	1/2	55,090	1/2	62,708	1/2	70,326
5/8	2,096	5/8	9,548	5/8	17,165	5/8	24,782	5/8	32,400	5/8	40,016	5/8	47,631	5/8	55,249	5/8	62,867	5/8	70,485
3/4	2,215	3/4	9,707	3/4	17,324	3/4	24,941	3/4	32,558	3/4	40,175	3/4	47,790	3/4	55,408	3/4	63,026	3/4	70,644
7/8	2,338	7/8	9,865	7/8	17,483	7/8	25,100	7/8	32,717	7/8	40,333	7/8	47,949	7/8	55,566	7/8	63,185	7/8	70,803
2	2,463	8	10,024	2	17,641	8	25,258	2	32,876	8	40,492	2	48,107	8	55,725	2	63,343	8	70,961
1/8	2,592	1/8	10,183	1/8	17,800	1/8	25,417	1/8	33,034	1/8	40,651	1/8	48,266	1/8	55,884	1/8	63,502	1/8	71,120
1/4	2,724	1/4	10,342	1/4	17,959	1/4	25,576	1/4	33,193	1/4	40,809	1/4	48,425	1/4	56,043	1/4	63,661	1/4	71,279
3/8	2,860	3/8	10,500	3/8	18,117	3/8	25,735	3/8	33,352	3/8	40,968	3/8	48,583	3/8	56,201	3/8	63,819	3/8	71,437
1/2	2,999	1/2	10,659	1/2	18,276	1/2	25,893	1/2	33,511	1/2	41,127	1/2	48,742	1/2	56,360	1/2	63,978	1/2	71,596
5/8	3,141	5/8	10,818	5/8	18,435	5/8	26,052	5/8	33,669	5/8	41,285	5/8	48,901	5/8	56,519	5/8	64,137	5/8	71,755
3/4	3,286	3/4	10,976	3/4	18,593	3/4	26,211	3/4	33,828	3/4	41,444	3/4	49,059	3/4	56,677	3/4	64,295	3/4	71,914
7/8	3,435	7/8	11,135	7/8	18,752	7/8	26,369	7/8	33,987	7/8	41,603	7/8	49,218	7/8	56,836	7/8	64,454	7/8	72,072
3	3,587	9	11,294	3	18,911	9	26,528	3	34,145	9	41,761	3	49,377	9	56,995	3	64,613	9	72,231
1/8	3,743	1/8	11,452	1/8	19,070	1/8	26,687	1/8	34,304	1/8	41,920	1/8	49,536	1/8	57,154	1/8	64,772	1/8	72,390
1/4	3,901	1/4	11,611	1/4	19,228	1/4	26,845	1/4	34,463	1/4	42,078	1/4	49,694	1/4	57,312	1/4	64,930	1/4	72,548
3/8	4,063	3/8	11,770	3/8	19,387	3/8	27,004	3/8	34,621	3/8	42,237	3/8	49,853	3/8	57,471	3/8	65,089	3/8	72,707
1/2	4,229	1/2	11,928	1/2	19,546	1/2	27,163	1/2	34,780	1/2	42,396	1/2	50,012	1/2	57,630	1/2	65,248	1/2	72,866
5/8	4,397	5/8	12,087	5/8	19,704	5/8	27,321	5/8	34,939	5/8	42,554	5/8	50,170	5/8	57,788	5/8	65,406	5/8	73,024
3/4	4,569	3/4	12,246	3/4	19,863	3/4	27,480	3/4	35,098	3/4	42,713	3/4	50,329	3/4	57,947	3/4	65,565	3/4	73,183
7/8	4,744	7/8	12,404	7/8	20,022	7/8	27,639	7/8	35,256	7/8	42,872	7/8	50,488	7/8	58,106	7/8	65,724	7/8	73,342
4	4,923	10	12,563	4	20,180	10	27,798	4	35,415	10	43,030	4	50,646	10	58,265	4	65,883	10	73,501
1/8	5,105	1/8	12,722	1/8	20,339	1/8	27,956	1/8	35,574	1/8	43,189	1/8	50,805	1/8	58,423	1/8	66,041	1/8	73,659
1/4	5,263	1/4	12,881	1/4	20,498	1/4	28,115	1/4	35,732	1/4	43,348	1/4	50,964	1/4	58,582	1/4	66,200	1/4	73,818
3/8	5,422	3/8	13,039	3/8	20,656	3/8	28,274	3/8	35,891	3/8	43,506	3/8	51,123	3/8	58,741	3/8	66,359	3/8	73,977
1/2	5,581	1/2	13,198	1/2	20,815	1/2	28,432	1/2	36,050	1/2	43,665	1/2	51,281	1/2	58,899	1/2	66,517	1/2	74,135
5/8	5,739	5/8	13,357	5/8	20,974	5/8	28,591	5/8	36,208	5/8	43,824	5/8	51,440	5/8	59,058	5/8	66,676	5/8	74,294
3/4	5,898	3/4	13,515	3/4	21,133	3/4	28,750	3/4	36,367	3/4	43,982	3/4	51,599	3/4	59,217	3/4	66,835	3/4	74,453
7/8	6,057	7/8	13,674	7/8	21,291	7/8	28,908	7/8	36,526	7/8	44,141	7/8	51,757	7/8	59,375	7/8	66,994	7/8	74,612
5	6,216	11	13,833	5	21,450	11	29,067	5	36,684	11	44,300	5	51,916	11	59,534	5	67,152	11	74,770
1/8	6,374	1/8	13,991	1/8	21,609	1/8	29,226	1/8	36,843	1/8	44,458	1/8	52,075	1/8	59,693	1/8	67,311	1/8	74,929
1/4	6,533	1/4	14,150	1/4	21,767	1/4	29,384	1/4	37,002	1/4	44,617	1/4	52,234	1/4	59,852	1/4	67,470	1/4	75,088
3/8	6,692	3/8	14,309	3/8	21,926	3/8	29,543	3/8	37,160	3/8	44,776	3/8	52,392	3/8	60,010	3/8	67,628	3/8	75,246
1/2	6,850	1/2	14,467	1/2	22,085	1/2	29,702	1/2	37,319	1/2	44,934	1/2	52,551	1/2	60,169	1/2	67,787	1/2	75,405
5/8	7,009	5/8	14,626	5/8	22,243	5/8	29,861	5/8	37,478	5/8	45,093	5/8	52,710	5/8	60,328	5/8	67,946	5/8	75,564
3/4	7,168	3/4	14,785	3/4	22,402	3/4	30,019	3/4	37,636	3/4	45,252	3/4	52,868	3/4	60,486	3/4	68,104	3/4	75,723
7/8	7,326	7/8	14,944	7/8	22,561	7/8	30,178	7/8	37,795	7/8	45,410	7/8	53,027	7/8	60,645	7/8	68,263	7/8	75,881

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

NOTE: CAPACITY TABLE APPLIES ONLY TO INNAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 8 3/4"

5 FT.		5 FT.		6 FT.		6 FT.		7 FT.		7 FT.		8 FT.		8 FT.		9 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	76,040	6	83,658	0	91,276	6	98,894	0	106,512	6	114,130	0	121,748	6	129,364	0	136,979	6	144,594
1/8	76,199	1/8	83,817	1/8	91,435	1/8	99,053	1/8	106,671	1/8	114,289	1/8	121,907	1/8	129,522	1/8	137,138	1/8	144,753
1/4	76,357	1/4	83,975	1/4	91,593	1/4	99,211	1/4	106,829	1/4	114,448	1/4	122,066	1/4	129,681	1/4	137,296	1/4	144,912
3/8	76,516	3/8	84,134	3/8	91,752	3/8	99,370	3/8	106,988	3/8	114,606	3/8	122,224	3/8	129,840	3/8	137,455	3/8	145,070
1/2	76,675	1/2	84,293	1/2	91,911	1/2	99,529	1/2	107,147	1/2	114,765	1/2	122,383	1/2	129,998	1/2	137,614	1/2	145,229
5/8	76,833	5/8	84,452	5/8	92,070	5/8	99,688	5/8	107,306	5/8	114,924	5/8	122,542	5/8	130,157	5/8	137,772	5/8	145,388
3/4	76,992	3/4	84,610	3/4	92,228	3/4	99,846	3/4	107,464	3/4	115,082	3/4	122,700	3/4	130,316	3/4	137,931	3/4	145,546
7/8	77,151	7/8	84,769	7/8	92,387	7/8	100,005	7/8	107,623	7/8	115,241	7/8	122,859	7/8	130,474	7/8	138,090	7/8	145,705
1	77,310	7	84,928	1	92,546	7	100,164	1	107,782	7	115,400	1	123,017	7	130,633	1	138,248	7	145,864
1/8	77,468	1/8	85,086	1/8	92,704	1/8	100,322	1/8	107,940	1/8	115,558	1/8	123,176	1/8	130,792	1/8	138,407	1/8	146,022
1/4	77,627	1/4	85,245	1/4	92,863	1/4	100,481	1/4	108,099	1/4	115,717	1/4	123,335	1/4	130,950	1/4	138,566	1/4	146,181
3/8	77,786	3/8	85,404	3/8	93,022	3/8	100,640	3/8	108,258	3/8	115,876	3/8	123,493	3/8	131,109	3/8	138,724	3/8	146,340
1/2	77,944	1/2	85,562	1/2	93,181	1/2	100,799	1/2	108,417	1/2	116,035	1/2	123,652	1/2	131,267	1/2	138,883	1/2	146,498
5/8	78,103	5/8	85,721	5/8	93,339	5/8	100,957	5/8	108,575	5/8	116,193	5/8	123,811	5/8	131,426	5/8	139,042	5/8	146,657
3/4	78,262	3/4	85,880	3/4	93,498	3/4	101,116	3/4	108,734	3/4	116,352	3/4	123,969	3/4	131,585	3/4	139,200	3/4	146,816
7/8	78,421	7/8	86,039	7/8	93,657	7/8	101,275	7/8	108,893	7/8	116,511	7/8	124,128	7/8	131,743	7/8	139,359	7/8	146,974
2	78,579	8	86,197	2	93,815	8	101,433	2	109,051	8	116,669	2	124,287	8	131,902	2	139,517	8	147,133
1/8	78,738	1/8	86,356	1/8	93,974	1/8	101,592	1/8	109,210	1/8	116,828	1/8	124,445	1/8	132,061	1/8	139,676	1/8	147,292
1/4	78,897	1/4	86,515	1/4	94,133	1/4	101,751	1/4	109,369	1/4	116,987	1/4	124,604	1/4	132,219	1/4	139,835	1/4	147,450
3/8	79,055	3/8	86,673	3/8	94,291	3/8	101,910	3/8	109,528	3/8	117,146	3/8	124,763	3/8	132,378	3/8	139,993	3/8	147,609
1/2	79,214	1/2	86,832	1/2	94,450	1/2	102,068	1/2	109,686	1/2	117,304	1/2	124,921	1/2	132,537	1/2	140,152	1/2	147,767
5/8	79,373	5/8	86,991	5/8	94,609	5/8	102,227	5/8	109,845	5/8	117,463	5/8	125,080	5/8	132,695	5/8	140,311	5/8	147,926
3/4	79,532	3/4	87,150	3/4	94,768	3/4	102,386	3/4	110,004	3/4	117,622	3/4	125,239	3/4	132,854	3/4	140,469	3/4	148,085
7/8	79,690	7/8	87,308	7/8	94,926	7/8	102,544	7/8	110,162	7/8	117,780	7/8	125,397	7/8	133,013	7/8	140,628	7/8	148,243
3	79,849	9	87,467	3	95,085	9	102,703	3	110,321	9	117,939	3	125,556	9	133,171	3	140,787	9	148,402
1/8	80,008	1/8	87,626	1/8	95,244	1/8	102,862	1/8	110,480	1/8	118,098	1/8	125,715	1/8	133,330	1/8	140,945	1/8	148,561
1/4	80,166	1/4	87,784	1/4	95,402	1/4	103,020	1/4	110,639	1/4	118,257	1/4	125,873	1/4	133,489	1/4	141,104	1/4	148,719
3/8	80,325	3/8	87,943	3/8	95,561	3/8	103,179	3/8	110,797	3/8	118,415	3/8	126,032	3/8	133,647	3/8	141,263	3/8	148,878
1/2	80,484	1/2	88,102	1/2	95,720	1/2	103,338	1/2	110,956	1/2	118,574	1/2	126,191	1/2	133,806	1/2	141,421	1/2	149,037
5/8	80,643	5/8	88,261	5/8	95,879	5/8	103,497	5/8	111,115	5/8	118,733	5/8	126,349	5/8	133,965	5/8	141,580	5/8	149,195
3/4	80,801	3/4	88,419	3/4	96,037	3/4	103,655	3/4	111,273	3/4	118,891	3/4	126,508	3/4	134,123	3/4	141,739	3/4	149,354
7/8	80,960	7/8	88,578	7/8	96,196	7/8	103,814	7/8	111,432	7/8	119,050	7/8	126,667	7/8	134,282	7/8	141,897	7/8	149,513
4	81,119	10	88,737	4	96,355	10	103,973	4	111,591	10	119,209	4	126,825	10	134,441	4	142,056	10	149,671
1/8	81,277	1/8	88,895	1/8	96,513	1/8	104,131	1/8	111,749	1/8	119,368	1/8	126,984	1/8	134,599	1/8	142,215	1/8	149,830
1/4	81,436	1/4	89,054	1/4	96,672	1/4	104,290	1/4	111,908	1/4	119,526	1/4	127,142	1/4	134,758	1/4	142,373	1/4	149,989
3/8	81,595	3/8	89,213	3/8	96,831	3/8	104,449	3/8	112,067	3/8	119,685	3/8	127,301	3/8	134,917	3/8	142,532	3/8	150,147
1/2	81,753	1/2	89,372	1/2	96,990	1/2	104,608	1/2	112,226	1/2	119,844	1/2	127,460	1/2	135,075	1/2	142,691	1/2	150,306
5/8	81,912	5/8	89,530	5/8	97,148	5/8	104,766	5/8	112,384	5/8	120,002	5/8	127,618	5/8	135,234	5/8	142,849	5/8	150,465
3/4	82,071	3/4	89,689	3/4	97,307	3/4	104,925	3/4	112,543	3/4	120,161	3/4	127,777	3/4	135,392	3/4	143,008	3/4	150,623
7/8	82,230	7/8	89,848	7/8	97,466	7/8	105,084	7/8	112,702	7/8	120,320	7/8	127,936	7/8	135,551	7/8	143,167	7/8	150,782
5	82,388	11	90,006	5	97,624	11	105,242	5	112,860	11	120,478	5	128,094	11	135,710	5	143,325	11	150,941
1/8	82,547	1/8	90,165	1/8	97,783	1/8	105,401	1/8	113,019	1/8	120,637	1/8	128,253	1/8	135,868	1/8	143,484	1/8	151,099
1/4	82,706	1/4	90,324	1/4	97,942	1/4	105,560	1/4	113,178	1/4	120,796	1/4	128,412	1/4	136,027	1/4	143,642	1/4	151,258
3/8	82,864	3/8	90,482	3/8	98,101	3/8	105,719	3/8	113,337	3/8	120,955	3/8	128,570	3/8	136,186	3/8	143,801	3/8	151,417
1/2	83,023	1/2	90,641	1/2	98,259	1/2	105,877	1/2	113,495	1/2	121,113	1/2	128,729	1/2	136,344	1/2	143,960	1/2	151,575
5/8	83,182	5/8	90,800	5/8	98,418	5/8	106,036	5/8	113,654	5/8	121,272	5/8	128,888	5/8	136,503	5/8	144,118	5/8	151,734
3/4	83,341	3/4	90,959	3/4	98,577	3/4	106,195	3/4	113,813	3/4	121,431	3/4	129,046	3/4	136,662	3/4	144,277	3/4	151,892
7/8	83,499	7/8	91,117	7/8	98,735	7/8	106,353	7/8	113,971	7/8	121,589	7/8	129,205	7/8	136,820	7/8	144,436	7/8	152,051

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

NOTE: CAPACITY TABLE APPLIES ONLY TO INNAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

MANUAL GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 8 3/4"

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	152,210	6	159,825	0	167,441	6	175,056	0	182,671	6	190,287	0	197,902	6	205,504	0	213,090	6	220,612
1/8	152,368	1/8	159,984	1/8	167,599	1/8	175,215	1/8	182,830	1/8	190,445	1/8	198,061	1/8	205,662	1/8	213,248	1/8	220,747
1/4	152,527	1/4	160,142	1/4	167,758	1/4	175,373	1/4	182,989	1/4	190,604	1/4	198,219	1/4	205,820	1/4	213,406	1/4	220,880
3/8	152,686	3/8	160,301	3/8	167,917	3/8	175,532	3/8	183,147	3/8	190,763	3/8	198,378	3/8	205,978	3/8	213,564	3/8	221,009
1/2	152,844	1/2	160,460	1/2	168,075	1/2	175,691	1/2	183,306	1/2	190,921	1/2	198,537	1/2	206,136	1/2	213,722	1/2	221,135
5/8	153,003	5/8	160,618	5/8	168,234	5/8	175,849	5/8	183,465	5/8	191,080	5/8	198,695	5/8	206,294	5/8	213,880	5/8	221,257
3/4	153,162	3/4	160,777	3/4	168,392	3/4	176,008	3/4	183,623	3/4	191,239	3/4	198,854	3/4	206,452	3/4	214,038	3/4	221,376
7/8	153,320	7/8	160,936	7/8	168,551	7/8	176,167	7/8	183,782	7/8	191,397	7/8	199,013	7/8	206,610	7/8	214,196	7/8	221,492
1	153,479	7	161,094	1	168,710	7	176,325	1	183,941	7	191,556	1	199,171	7	206,786	1	214,354	7	221,605
1/8	153,638	1/8	161,253	1/8	168,868	1/8	176,484	1/8	184,099	1/8	191,715	1/8	199,330	1/8	206,926	1/8	214,512	1/8	221,714
1/4	153,796	1/4	161,412	1/4	169,027	1/4	176,642	1/4	184,258	1/4	191,873	1/4	199,489	1/4	207,084	1/4	214,670	1/4	221,820
3/8	153,955	3/8	161,570	3/8	169,186	3/8	176,801	3/8	184,417	3/8	192,032	3/8	199,647	3/8	207,242	3/8	214,828	3/8	221,923
1/2	154,114	1/2	161,729	1/2	169,344	1/2	176,960	1/2	184,575	1/2	192,191	1/2	199,806	1/2	207,400	1/2	214,986	1/2	222,022
5/8	154,272	5/8	161,888	5/8	169,503	5/8	177,118	5/8	184,734	5/8	192,349	5/8	199,965	5/8	207,558	5/8	215,144	5/8	222,118
3/4	154,431	3/4	162,046	3/4	169,662	3/4	177,277	3/4	184,892	3/4	192,508	3/4	200,123	3/4	207,716	3/4	215,302	3/4	222,211
7/8	154,590	7/8	162,205	7/8	169,820	7/8	177,436	7/8	185,051	7/8	192,667	7/8	200,282	7/8	207,874	7/8	215,460	7/8	222,300
2	154,748	8	162,364	2	169,979	8	177,594	2	185,210	8	192,825	2	200,441	8	208,032	2	215,618	8	222,386
1/8	154,907	1/8	162,522	1/8	170,138	1/8	177,753	1/8	185,368	1/8	192,984	1/8	200,599	1/8	208,191	1/8	215,776	1/8	222,469
1/4	155,066	1/4	162,681	1/4	170,296	1/4	177,912	1/4	185,527	1/4	193,142	1/4	200,758	1/4	208,349	1/4	215,934	1/4	222,549
3/8	155,224	3/8	162,840	3/8	170,455	3/8	178,070	3/8	185,686	3/8	193,301	3/8	200,917	3/8	208,507	3/8	216,092	3/8	222,625
1/2	155,383	1/2	162,998	1/2	170,614	1/2	178,229	1/2	185,844	1/2	193,460	1/2	201,075	1/2	208,665	1/2	216,250	1/2	222,698
5/8	155,542	5/8	163,157	5/8	170,772	5/8	178,388	5/8	186,003	5/8	193,618	5/8	201,234	5/8	208,823	5/8	216,409	5/8	222,768
3/4	155,700	3/4	163,316	3/4	170,931	3/4	178,546	3/4	186,162	3/4	193,777	3/4	201,392	3/4	208,981	3/4	216,567	3/4	222,834
7/8	155,859	7/8	163,474	7/8	171,090	7/8	178,705	7/8	186,320	7/8	193,936	7/8	201,551	7/8	209,139	7/8	216,725	7/8	222,897
3	156,017	9	163,633	3	171,248	9	178,864	3	186,479	9	194,094	3	201,710	9	209,297	3	216,883	9	222,957
1/8	156,176	1/8	163,792	1/8	171,407	1/8	179,022	1/8	186,638	1/8	194,253	1/8	201,868	1/8	209,455	1/8	217,041	1/8	223,013
1/4	156,335	1/4	163,950	1/4	171,566	1/4	179,181	1/4	186,796	1/4	194,412	1/4	202,027	1/4	209,613	1/4	217,199	1/4	223,066
3/8	156,493	3/8	164,109	3/8	171,724	3/8	179,340	3/8	186,955	3/8	194,570	3/8	202,185	3/8	209,771	3/8	217,357	3/8	223,116
1/2	156,652	1/2	164,267	1/2	171,883	1/2	179,498	1/2	187,114	1/2	194,729	1/2	202,343	1/2	209,929	1/2	217,515	1/2	223,163
5/8	156,811	5/8	164,426	5/8	172,042	5/8	179,657	5/8	187,272	5/8	194,888	5/8	202,501	5/8	210,087	5/8	217,673	5/8	223,207
3/4	156,969	3/4	164,585	3/4	172,200	3/4	179,816	3/4	187,431	3/4	195,046	3/4	202,659	3/4	210,245	3/4	217,831	3/4	223,248
7/8	157,128	7/8	164,743	7/8	172,359	7/8	179,974	7/8	187,590	7/8	195,205	7/8	202,817	7/8	210,403	7/8	217,989	7/8	223,285
4	157,287	10	164,902	4	172,517	10	180,133	4	187,748	10	195,364	4	202,975	10	210,561	4	218,147	10	223,319
1/8	157,445	1/8	165,061	1/8	172,676	1/8	180,292	1/8	187,907	1/8	195,522	1/8	203,133	1/8	210,719	1/8	218,305	1/8	223,349
1/4	157,604	1/4	165,219	1/4	172,835	1/4	180,450	1/4	188,066	1/4	195,681	1/4	203,291	1/4	210,877	1/4	218,463	1/4	223,376
3/8	157,763	3/8	165,378	3/8	172,993	3/8	180,609	3/8	188,224	3/8	195,840	3/8	203,449	3/8	211,035	3/8	218,622	3/8	223,400
1/2	157,921	1/2	165,537	1/2	173,152	1/2	180,767	1/2	188,383	1/2	195,998	1/2	203,607	1/2	211,193	1/2	218,780	1/2	223,421
5/8	158,080	5/8	165,695	5/8	173,311	5/8	180,926	5/8	188,542	5/8	196,157	5/8	203,766	5/8	211,351	5/8	218,938	5/8	223,438
3/4	158,239	3/4	165,854	3/4	173,469	3/4	181,085	3/4	188,700	3/4	196,316	3/4	203,924	3/4	211,509	3/4	219,096	3/4	223,452
7/8	158,397	7/8	166,013	7/8	173,628	7/8	181,243	7/8	188,859	7/8	196,474	7/8	204,082	7/8	211,667	7/8	219,254	7/8	223,463
5	158,556	11	166,171	5	173,787	11	181,402	5	189,017	11	196,633	5	204,240	11	211,825	5	219,412	11	223,470
1/8	158,715	1/8	166,330	1/8	173,945	1/8	181,561	1/8	189,176	1/8	196,792	1/8	204,398	1/8	211,983	1/8	219,570	1/8	223,474
1/4	158,873	1/4	166,489	1/4	174,104	1/4	181,719	1/4	189,335	1/4	196,950	1/4	204,556	1/4	212,141	1/4	219,728	1/4	223,475
3/8	159,032	3/8	166,647	3/8	174,263	3/8	181,878	3/8	189,493	3/8	197,109	3/8	204,714	3/8	212,299	3/8	219,884	3/8	223,475
1/2	159,191	1/2	166,806	1/2	174,421	1/2	182,037	1/2	189,652	1/2	197,267	1/2	204,872	1/2	212,457	1/2	220,036	1/2	223,475
5/8	159,349	5/8	166,965	5/8	174,580	5/8	182,195	5/8	189,811	5/8	197,426	5/8	205,030	5/8	212,616	5/8	220,185	5/8	223,475
3/4	159,508	3/4	167,123	3/4	174,739	3/4	182,354	3/4	189,969	3/4	197,585	3/4	205,188	3/4	212,774	3/4	220,330	3/4	223,475
7/8	159,667	7/8	167,282	7/8	174,897	7/8	182,513	7/8	190,128	7/8	197,743	7/8	205,346	7/8	212,932	7/8	220,473	7/8	223,475

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

NOTE: CAPACITY TABLE APPLIES ONLY TO INNGAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

MANUAL GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 8 3/4"

0 FT.		1 FT.		1 FT.		2 FT.		2 FT.		3 FT.		3 FT.		4 FT.		4 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
	0	6	7,499	0	15,131	6	22,763	0	30,394	6	38,023	0	45,649	6	53,280	0	60,912	6	68,545
1/8	928	1/8	7,658	1/8	15,290	1/8	22,922	1/8	30,553	1/8	38,182	1/8	45,808	1/8	53,439	1/8	61,071	1/8	68,704
1/4	1,007	1/4	7,817	1/4	15,449	1/4	23,081	1/4	30,712	1/4	38,341	1/4	45,967	1/4	53,598	1/4	61,230	1/4	68,863
3/8	1,090	3/8	7,976	3/8	15,608	3/8	23,240	3/8	30,871	3/8	38,500	3/8	46,126	3/8	53,757	3/8	61,389	3/8	69,022
1/2	1,176	1/2	8,135	1/2	15,767	1/2	23,399	1/2	31,030	1/2	38,659	1/2	46,285	1/2	53,916	1/2	61,548	1/2	69,181
5/8	1,266	5/8	8,294	5/8	15,926	5/8	23,558	5/8	31,189	5/8	38,818	5/8	46,444	5/8	54,075	5/8	61,707	5/8	69,340
3/4	1,358	3/4	8,453	3/4	16,085	3/4	23,717	3/4	31,348	3/4	38,977	3/4	46,603	3/4	54,234	3/4	61,866	3/4	69,499
7/8	1,454	7/8	8,612	7/8	16,244	7/8	23,876	7/8	31,507	7/8	39,135	7/8	46,762	7/8	54,393	7/8	62,025	7/8	69,658
1	1,554	7	8,771	1	16,403	7	24,035	1	31,666	7	39,294	1	46,920	7	54,552	1	62,184	7	69,817
1/8	1,656	1/8	8,930	1/8	16,562	1/8	24,194	1/8	31,825	1/8	39,453	1/8	47,079	1/8	54,711	1/8	62,343	1/8	69,976
1/4	1,762	1/4	9,089	1/4	16,721	1/4	24,353	1/4	31,984	1/4	39,612	1/4	47,238	1/4	54,870	1/4	62,502	1/4	70,135
3/8	1,872	3/8	9,248	3/8	16,880	3/8	24,512	3/8	32,143	3/8	39,771	3/8	47,397	3/8	55,029	3/8	62,661	3/8	70,294
1/2	1,984	1/2	9,407	1/2	17,039	1/2	24,671	1/2	32,302	1/2	39,930	1/2	47,556	1/2	55,188	1/2	62,820	1/2	70,453
5/8	2,100	5/8	9,566	5/8	17,198	5/8	24,830	5/8	32,461	5/8	40,089	5/8	47,715	5/8	55,347	5/8	62,979	5/8	70,612
3/4	2,219	3/4	9,725	3/4	17,357	3/4	24,989	3/4	32,620	3/4	40,248	3/4	47,874	3/4	55,506	3/4	63,138	3/4	70,771
7/8	2,342	7/8	9,884	7/8	17,516	7/8	25,148	7/8	32,779	7/8	40,406	7/8	48,033	7/8	55,665	7/8	63,297	7/8	70,930
2	2,468	8	10,043	2	17,675	8	25,307	2	32,938	8	40,565	2	48,192	8	55,824	2	63,456	8	71,089
1/8	2,597	1/8	10,202	1/8	17,834	1/8	25,466	1/8	33,097	1/8	40,724	1/8	48,350	1/8	55,983	1/8	63,615	1/8	71,248
1/4	2,729	1/4	10,361	1/4	17,993	1/4	25,625	1/4	33,256	1/4	40,883	1/4	48,509	1/4	56,142	1/4	63,774	1/4	71,407
3/8	2,865	3/8	10,520	3/8	18,152	3/8	25,784	3/8	33,415	3/8	41,042	3/8	48,668	3/8	56,301	3/8	63,933	3/8	71,566
1/2	3,004	1/2	10,679	1/2	18,311	1/2	25,943	1/2	33,574	1/2	41,201	1/2	48,827	1/2	56,460	1/2	64,092	1/2	71,725
5/8	3,147	5/8	10,838	5/8	18,470	5/8	26,102	5/8	33,733	5/8	41,360	5/8	48,986	5/8	56,619	5/8	64,251	5/8	71,884
3/4	3,293	3/4	10,997	3/4	18,629	3/4	26,261	3/4	33,892	3/4	41,519	3/4	49,145	3/4	56,778	3/4	64,410	3/4	72,043
7/8	3,442	7/8	11,156	7/8	18,788	7/8	26,420	7/8	34,051	7/8	41,677	7/8	49,304	7/8	56,937	7/8	64,569	7/8	72,202
3	3,594	9	11,315	3	18,947	9	26,579	3	34,210	9	41,836	3	49,463	9	57,096	3	64,728	9	72,361
1/8	3,750	1/8	11,474	1/8	19,106	1/8	26,738	1/8	34,369	1/8	41,995	1/8	49,622	1/8	57,255	1/8	64,887	1/8	72,520
1/4	3,909	1/4	11,633	1/4	19,265	1/4	26,897	1/4	34,528	1/4	42,154	1/4	49,781	1/4	57,414	1/4	65,046	1/4	72,679
3/8	4,071	3/8	11,792	3/8	19,424	3/8	27,056	3/8	34,687	3/8	42,313	3/8	49,940	3/8	57,573	3/8	65,205	3/8	72,838
1/2	4,237	1/2	11,951	1/2	19,583	1/2	27,215	1/2	34,846	1/2	42,472	1/2	50,099	1/2	57,732	1/2	65,364	1/2	72,997
5/8	4,406	5/8	12,110	5/8	19,742	5/8	27,374	5/8	35,004	5/8	42,631	5/8	50,258	5/8	57,891	5/8	65,524	5/8	73,156
3/4	4,578	3/4	12,269	3/4	19,901	3/4	27,533	3/4	35,163	3/4	42,790	3/4	50,417	3/4	58,050	3/4	65,683	3/4	73,315
7/8	4,753	7/8	12,428	7/8	20,060	7/8	27,692	7/8	35,322	7/8	42,949	7/8	50,576	7/8	58,209	7/8	65,842	7/8	73,474
4	4,932	10	12,587	4	20,219	10	27,851	4	35,481	10	43,107	4	50,735	10	58,368	4	66,001	10	73,633
1/8	5,114	1/8	12,746	1/8	20,378	1/8	28,010	1/8	35,640	1/8	43,266	1/8	50,894	1/8	58,527	1/8	66,160	1/8	73,792
1/4	5,273	1/4	12,905	1/4	20,537	1/4	28,169	1/4	35,799	1/4	43,425	1/4	51,053	1/4	58,686	1/4	66,319	1/4	73,951
3/8	5,432	3/8	13,064	3/8	20,696	3/8	28,328	3/8	35,958	3/8	43,584	3/8	51,212	3/8	58,845	3/8	66,478	3/8	74,110
1/2	5,591	1/2	13,223	1/2	20,855	1/2	28,487	1/2	36,117	1/2	43,743	1/2	51,371	1/2	59,004	1/2	66,637	1/2	74,269
5/8	5,750	5/8	13,382	5/8	21,014	5/8	28,646	5/8	36,276	5/8	43,902	5/8	51,530	5/8	59,163	5/8	66,796	5/8	74,428
3/4	5,909	3/4	13,541	3/4	21,173	3/4	28,804	3/4	36,435	3/4	44,061	3/4	51,689	3/4	59,322	3/4	66,955	3/4	74,587
7/8	6,068	7/8	13,700	7/8	21,332	7/8	28,963	7/8	36,593	7/8	44,220	7/8	51,849	7/8	59,481	7/8	67,114	7/8	74,746
5	6,227	11	13,859	5	21,491	11	29,122	5	36,752	11	44,378	5	52,008	11	59,640	5	67,273	11	74,905
1/8	6,386	1/8	14,018	1/8	21,650	1/8	29,281	1/8	36,911	1/8	44,537	1/8	52,167	1/8	59,799	1/8	67,432	1/8	75,064
1/4	6,545	1/4	14,177	1/4	21,809	1/4	29,440	1/4	37,070	1/4	44,696	1/4	52,326	1/4	59,958	1/4	67,591	1/4	75,223
3/8	6,704	3/8	14,336	3/8	21,968	3/8	29,599	3/8	37,229	3/8	44,855	3/8	52,485	3/8	60,117	3/8	67,750	3/8	75,382
1/2	6,863	1/2	14,495	1/2	22,127	1/2	29,758	1/2	37,388	1/2	45,014	1/2	52,644	1/2	60,276	1/2	67,909	1/2	75,541
5/8	7,022	5/8	14,654	5/8	22,286	5/8	29,917	5/8	37,547	5/8	45,173	5/8	52,803	5/8	60,435	5/8	68,068	5/8	75,700
3/4	7,181	3/4	14,813	3/4	22,445	3/4	30,076	3/4	37,706	3/4	45,332	3/4	52,962	3/4	60,594	3/4	68,227	3/4	75,859
7/8	7,340	7/8	14,972	7/8	22,604	7/8	30,235	7/8	37,864	7/8	45,491	7/8	53,121	7/8	60,753	7/8	68,386	7/8	76,018

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

NOTE: CAPACITY TABLE APPLIES ONLY TO INNAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 8 3/4"

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	76,177	6	83,810	0	91,442	6	99,075	0	106,708	6	114,340	0	121,973	6	129,603	0	137,233	6	144,862
1/8	76,336	1/8	83,969	1/8	91,601	1/8	99,234	1/8	106,867	1/8	114,499	1/8	122,132	1/8	129,762	1/8	137,392	1/8	145,021
1/4	76,495	1/4	84,128	1/4	91,760	1/4	99,393	1/4	107,026	1/4	114,658	1/4	122,291	1/4	129,921	1/4	137,550	1/4	145,180
3/8	76,654	3/8	84,287	3/8	91,919	3/8	99,552	3/8	107,185	3/8	114,817	3/8	122,450	3/8	130,080	3/8	137,709	3/8	145,339
1/2	76,813	1/2	84,446	1/2	92,078	1/2	99,711	1/2	107,344	1/2	114,976	1/2	122,609	1/2	130,238	1/2	137,868	1/2	145,498
5/8	76,972	5/8	84,605	5/8	92,237	5/8	99,870	5/8	107,503	5/8	115,135	5/8	122,768	5/8	130,397	5/8	138,027	5/8	145,657
3/4	77,131	3/4	84,764	3/4	92,396	3/4	100,029	3/4	107,662	3/4	115,294	3/4	122,926	3/4	130,556	3/4	138,186	3/4	145,816
7/8	77,290	7/8	84,923	7/8	92,555	7/8	100,188	7/8	107,821	7/8	115,453	7/8	123,085	7/8	130,715	7/8	138,345	7/8	145,975
1	77,449	7	85,082	1	92,714	7	100,347	1	107,980	7	115,612	1	123,244	7	130,874	1	138,504	7	146,134
1/8	77,608	1/8	85,241	1/8	92,874	1/8	100,506	1/8	108,139	1/8	115,771	1/8	123,403	1/8	131,033	1/8	138,663	1/8	146,293
1/4	77,767	1/4	85,400	1/4	93,033	1/4	100,665	1/4	108,298	1/4	115,930	1/4	123,562	1/4	131,192	1/4	138,822	1/4	146,452
3/8	77,926	3/8	85,559	3/8	93,192	3/8	100,824	3/8	108,457	3/8	116,089	3/8	123,721	3/8	131,351	3/8	138,981	3/8	146,611
1/2	78,085	1/2	85,718	1/2	93,351	1/2	100,983	1/2	108,616	1/2	116,248	1/2	123,880	1/2	131,510	1/2	139,140	1/2	146,770
5/8	78,244	5/8	85,877	5/8	93,510	5/8	101,142	5/8	108,775	5/8	116,407	5/8	124,039	5/8	131,669	5/8	139,299	5/8	146,929
3/4	78,403	3/4	86,036	3/4	93,669	3/4	101,301	3/4	108,934	3/4	116,566	3/4	124,198	3/4	131,828	3/4	139,458	3/4	147,088
7/8	78,562	7/8	86,195	7/8	93,828	7/8	101,460	7/8	109,093	7/8	116,725	7/8	124,357	7/8	131,987	7/8	139,617	7/8	147,247
2	78,721	8	86,354	2	93,987	8	101,619	2	109,252	8	116,884	2	124,516	8	132,146	2	139,776	8	147,406
1/8	78,880	1/8	86,513	1/8	94,146	1/8	101,778	1/8	109,411	1/8	117,043	1/8	124,675	1/8	132,305	1/8	139,935	1/8	147,565
1/4	79,039	1/4	86,672	1/4	94,305	1/4	101,937	1/4	109,570	1/4	117,202	1/4	124,834	1/4	132,464	1/4	140,094	1/4	147,724
3/8	79,199	3/8	86,831	3/8	94,464	3/8	102,096	3/8	109,729	3/8	117,361	3/8	124,993	3/8	132,623	3/8	140,253	3/8	147,883
1/2	79,358	1/2	86,990	1/2	94,623	1/2	102,255	1/2	109,888	1/2	117,520	1/2	125,152	1/2	132,782	1/2	140,412	1/2	148,042
5/8	79,517	5/8	87,149	5/8	94,782	5/8	102,414	5/8	110,047	5/8	117,679	5/8	125,311	5/8	132,941	5/8	140,571	5/8	148,201
3/4	79,676	3/4	87,308	3/4	94,941	3/4	102,573	3/4	110,206	3/4	117,838	3/4	125,470	3/4	133,100	3/4	140,730	3/4	148,360
7/8	79,835	7/8	87,467	7/8	95,100	7/8	102,732	7/8	110,365	7/8	117,997	7/8	125,629	7/8	133,259	7/8	140,889	7/8	148,518
3	79,994	9	87,626	3	95,259	9	102,891	3	110,524	9	118,156	3	125,788	9	133,418	3	141,048	9	148,677
1/8	80,153	1/8	87,785	1/8	95,418	1/8	103,050	1/8	110,683	1/8	118,315	1/8	125,947	1/8	133,577	1/8	141,206	1/8	148,836
1/4	80,312	1/4	87,944	1/4	95,577	1/4	103,209	1/4	110,842	1/4	118,474	1/4	126,106	1/4	133,736	1/4	141,365	1/4	148,995
3/8	80,471	3/8	88,103	3/8	95,736	3/8	103,368	3/8	111,001	3/8	118,633	3/8	126,265	3/8	133,894	3/8	141,524	3/8	149,154
1/2	80,630	1/2	88,262	1/2	95,895	1/2	103,527	1/2	111,160	1/2	118,792	1/2	126,424	1/2	134,053	1/2	141,683	1/2	149,313
5/8	80,789	5/8	88,421	5/8	96,054	5/8	103,686	5/8	111,319	5/8	118,951	5/8	126,582	5/8	134,212	5/8	141,842	5/8	149,472
3/4	80,948	3/4	88,580	3/4	96,213	3/4	103,845	3/4	111,478	3/4	119,110	3/4	126,741	3/4	134,371	3/4	142,001	3/4	149,631
7/8	81,107	7/8	88,739	7/8	96,372	7/8	104,004	7/8	111,637	7/8	119,269	7/8	126,900	7/8	134,530	7/8	142,160	7/8	149,790
4	81,266	10	88,898	4	96,531	10	104,163	4	111,796	10	119,428	4	127,059	10	134,689	4	142,319	10	149,949
1/8	81,425	1/8	89,057	1/8	96,690	1/8	104,322	1/8	111,955	1/8	119,587	1/8	127,218	1/8	134,848	1/8	142,478	1/8	150,108
1/4	81,584	1/4	89,216	1/4	96,849	1/4	104,481	1/4	112,114	1/4	119,746	1/4	127,377	1/4	135,007	1/4	142,637	1/4	150,267
3/8	81,743	3/8	89,375	3/8	97,008	3/8	104,640	3/8	112,273	3/8	119,905	3/8	127,536	3/8	135,166	3/8	142,796	3/8	150,426
1/2	81,902	1/2	89,534	1/2	97,167	1/2	104,799	1/2	112,432	1/2	120,065	1/2	127,695	1/2	135,325	1/2	142,955	1/2	150,585
5/8	82,061	5/8	89,693	5/8	97,326	5/8	104,958	5/8	112,591	5/8	120,224	5/8	127,854	5/8	135,484	5/8	143,114	5/8	150,744
3/4	82,220	3/4	89,852	3/4	97,485	3/4	105,117	3/4	112,750	3/4	120,383	3/4	128,013	3/4	135,643	3/4	143,273	3/4	150,903
7/8	82,379	7/8	90,011	7/8	97,644	7/8	105,276	7/8	112,909	7/8	120,542	7/8	128,172	7/8	135,802	7/8	143,432	7/8	151,062
5	82,538	11	90,170	5	97,803	11	105,435	5	113,068	11	120,701	5	128,331	11	135,961	5	143,591	11	151,221
1/8	82,697	1/8	90,329	1/8	97,962	1/8	105,594	1/8	113,227	1/8	120,860	1/8	128,490	1/8	136,120	1/8	143,750	1/8	151,380
1/4	82,856	1/4	90,488	1/4	98,121	1/4	105,753	1/4	113,386	1/4	121,019	1/4	128,649	1/4	136,279	1/4	143,909	1/4	151,539
3/8	83,015	3/8	90,647	3/8	98,280	3/8	105,912	3/8	113,545	3/8	121,178	3/8	128,808	3/8	136,438	3/8	144,068	3/8	151,698
1/2	83,174	1/2	90,806	1/2	98,439	1/2	106,071	1/2	113,704	1/2	121,337	1/2	128,967	1/2	136,597	1/2	144,227	1/2	151,857
5/8	83,333	5/8	90,965	5/8	98,598	5/8	106,230	5/8	113,863	5/8	121,496	5/8	129,126	5/8	136,756	5/8	144,386	5/8	152,016
3/4	83,492	3/4	91,124	3/4	98,757	3/4	106,390	3/4	114,022	3/4	121,655	3/4	129,285	3/4	136,915	3/4	144,545	3/4	152,174
7/8	83,651	7/8	91,283	7/8	98,916	7/8	106,549	7/8	114,181	7/8	121,814	7/8	129,444	7/8	137,074	7/8	144,704	7/8	152,333

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.
 NOTE: CAPACITY TABLE APPLIES ONLY TO INNAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE
 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: 1/19/2012 BY: JLF
 DATE COMPUTED: 1/23/2012 BY: WHF
 DATE ISSUED: 1/24/2012

Independent Vessel Calibration



CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 8 3/4"

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	152,492	6	160,122	0	167,752	6	175,382	0	183,012	6	190,642	0	198,272	6	205,888	0	213,488	6	221,025
1/8	152,651	1/8	160,281	1/8	167,911	1/8	175,541	1/8	183,171	1/8	190,801	1/8	198,431	1/8	206,046	1/8	213,647	1/8	221,161
1/4	152,810	1/4	160,440	1/4	168,070	1/4	175,700	1/4	183,330	1/4	190,960	1/4	198,590	1/4	206,205	1/4	213,805	1/4	221,294
3/8	152,969	3/8	160,599	3/8	168,229	3/8	175,859	3/8	183,489	3/8	191,119	3/8	198,749	3/8	206,363	3/8	213,963	3/8	221,423
1/2	153,128	1/2	160,758	1/2	168,388	1/2	176,018	1/2	183,648	1/2	191,278	1/2	198,908	1/2	206,522	1/2	214,122	1/2	221,549
5/8	153,287	5/8	160,917	5/8	168,547	5/8	176,177	5/8	183,807	5/8	191,437	5/8	199,067	5/8	206,680	5/8	214,280	5/8	221,672
3/4	153,446	3/4	161,076	3/4	168,706	3/4	176,336	3/4	183,966	3/4	191,596	3/4	199,226	3/4	206,838	3/4	214,438	3/4	221,791
7/8	153,605	7/8	161,235	7/8	168,865	7/8	176,495	7/8	184,125	7/8	191,755	7/8	199,385	7/8	206,997	7/8	214,597	7/8	221,907
1	153,764	7	161,394	1	169,024	7	176,654	1	184,284	7	191,914	1	199,544	7	207,155	1	214,755	7	222,020
1/8	153,923	1/8	161,553	1/8	169,183	1/8	176,813	1/8	184,443	1/8	192,073	1/8	199,702	1/8	207,313	1/8	214,913	1/8	222,129
1/4	154,082	1/4	161,712	1/4	169,342	1/4	176,972	1/4	184,602	1/4	192,232	1/4	199,861	1/4	207,472	1/4	215,072	1/4	222,235
3/8	154,241	3/8	161,871	3/8	169,501	3/8	177,131	3/8	184,761	3/8	192,390	3/8	200,020	3/8	207,630	3/8	215,230	3/8	222,338
1/2	154,400	1/2	162,030	1/2	169,660	1/2	177,290	1/2	184,920	1/2	192,549	1/2	200,179	1/2	207,788	1/2	215,388	1/2	222,438
5/8	154,559	5/8	162,189	5/8	169,819	5/8	177,449	5/8	185,078	5/8	192,708	5/8	200,338	5/8	207,947	5/8	215,547	5/8	222,534
3/4	154,718	3/4	162,348	3/4	169,978	3/4	177,608	3/4	185,237	3/4	192,867	3/4	200,497	3/4	208,105	3/4	215,705	3/4	222,627
7/8	154,877	7/8	162,507	7/8	170,137	7/8	177,766	7/8	185,396	7/8	193,026	7/8	200,656	7/8	208,263	7/8	215,863	7/8	222,717
2	155,036	8	162,666	2	170,296	8	177,925	2	185,555	8	193,185	2	200,815	8	208,422	2	216,022	8	222,803
1/8	155,195	1/8	162,825	1/8	170,454	1/8	178,084	1/8	185,714	1/8	193,344	1/8	200,974	1/8	208,580	1/8	216,180	1/8	222,886
1/4	155,354	1/4	162,984	1/4	170,613	1/4	178,243	1/4	185,873	1/4	193,503	1/4	201,133	1/4	208,738	1/4	216,339	1/4	222,966
3/8	155,513	3/8	163,142	3/8	170,772	3/8	178,402	3/8	186,032	3/8	193,662	3/8	201,292	3/8	208,897	3/8	216,497	3/8	223,042
1/2	155,672	1/2	163,301	1/2	170,931	1/2	178,561	1/2	186,191	1/2	193,821	1/2	201,451	1/2	209,055	1/2	216,655	1/2	223,115
5/8	155,830	5/8	163,460	5/8	171,090	5/8	178,720	5/8	186,350	5/8	193,980	5/8	201,610	5/8	209,213	5/8	216,814	5/8	223,185
3/4	155,989	3/4	163,619	3/4	171,249	3/4	178,879	3/4	186,509	3/4	194,139	3/4	201,769	3/4	209,372	3/4	216,972	3/4	223,251
7/8	156,148	7/8	163,778	7/8	171,408	7/8	179,038	7/8	186,668	7/8	194,298	7/8	201,928	7/8	209,530	7/8	217,130	7/8	223,314
3	156,307	9	163,937	3	171,567	9	179,197	3	186,827	9	194,457	3	202,087	9	209,688	3	217,289	9	223,374
1/8	156,466	1/8	164,096	1/8	171,726	1/8	179,356	1/8	186,986	1/8	194,616	1/8	202,246	1/8	209,847	1/8	217,447	1/8	223,431
1/4	156,625	1/4	164,255	1/4	171,885	1/4	179,515	1/4	187,145	1/4	194,775	1/4	202,405	1/4	210,005	1/4	217,606	1/4	223,484
3/8	156,784	3/8	164,414	3/8	172,044	3/8	179,674	3/8	187,304	3/8	194,934	3/8	202,563	3/8	210,163	3/8	217,764	3/8	223,534
1/2	156,943	1/2	164,573	1/2	172,203	1/2	179,833	1/2	187,463	1/2	195,093	1/2	202,721	1/2	210,322	1/2	217,922	1/2	223,582
5/8	157,102	5/8	164,732	5/8	172,362	5/8	179,992	5/8	187,622	5/8	195,252	5/8	202,880	5/8	210,480	5/8	218,081	5/8	223,625
3/4	157,261	3/4	164,891	3/4	172,521	3/4	180,151	3/4	187,781	3/4	195,411	3/4	203,038	3/4	210,638	3/4	218,239	3/4	223,666
7/8	157,420	7/8	165,050	7/8	172,680	7/8	180,310	7/8	187,940	7/8	195,570	7/8	203,196	7/8	210,797	7/8	218,397	7/8	223,703
4	157,579	10	165,209	4	172,839	10	180,469	4	188,099	10	195,729	4	203,355	10	210,955	4	218,556	10	223,737
1/8	157,738	1/8	165,368	1/8	172,998	1/8	180,628	1/8	188,258	1/8	195,888	1/8	203,513	1/8	211,113	1/8	218,714	1/8	223,768
1/4	157,897	1/4	165,527	1/4	173,157	1/4	180,787	1/4	188,417	1/4	196,046	1/4	203,671	1/4	211,272	1/4	218,873	1/4	223,795
3/8	158,056	3/8	165,686	3/8	173,316	3/8	180,946	3/8	188,576	3/8	196,205	3/8	203,830	3/8	211,430	3/8	219,031	3/8	223,819
1/2	158,215	1/2	165,845	1/2	173,475	1/2	181,105	1/2	188,734	1/2	196,364	1/2	203,988	1/2	211,588	1/2	219,189	1/2	223,840
5/8	158,374	5/8	166,004	5/8	173,634	5/8	181,264	5/8	188,893	5/8	196,523	5/8	204,146	5/8	211,747	5/8	219,348	5/8	223,857
3/4	158,533	3/4	166,163	3/4	173,793	3/4	181,422	3/4	189,052	3/4	196,682	3/4	204,305	3/4	211,905	3/4	219,506	3/4	223,871
7/8	158,692	7/8	166,322	7/8	173,952	7/8	181,581	7/8	189,211	7/8	196,841	7/8	204,463	7/8	212,063	7/8	219,664	7/8	223,882
5	158,851	11	166,481	5	174,110	11	181,740	5	189,370	11	197,000	5	204,621	11	212,222	5	219,823	11	223,889
1/8	159,010	1/8	166,640	1/8	174,269	1/8	181,899	1/8	189,529	1/8	197,159	1/8	204,780	1/8	212,380	1/8	219,981	1/8	223,893
1/4	159,169	1/4	166,798	1/4	174,428	1/4	182,058	1/4	189,688	1/4	197,318	1/4	204,938	1/4	212,538	1/4	220,140	1/4	223,894
3/8	159,328	3/8	166,957	3/8	174,587	3/8	182,217	3/8	189,847	3/8	197,477	3/8	205,096	3/8	212,697	3/8	220,295	3/8	223,894
1/2	159,486	1/2	167,116	1/2	174,746	1/2	182,376	1/2	190,006	1/2	197,636	1/2	205,255	1/2	212,855	1/2	220,448	1/2	223,894
5/8	159,645	5/8	167,275	5/8	174,905	5/8	182,535	5/8	190,165	5/8	197,795	5/8	205,413	5/8	213,013	5/8	220,597	5/8	223,894
3/4	159,804	3/4	167,434	3/4	175,064	3/4	182,694	3/4	190,324	3/4	197,954	3/4	205,571	3/4	213,172	3/4	220,743	3/4	223,894
7/8	159,963	7/8	167,593	7/8	175,223	7/8	182,853	7/8	190,483	7/8	198,113	7/8	205,730	7/8	213,330	7/8	220,886	7/8	223,894

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

NOTE: CAPACITY TABLE APPLIES ONLY TO INNAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration



MANUAL GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 8 1/2"

0 FT.		1 FT.		1 FT.		2 FT.		2 FT.		3 FT.		3 FT.		4 FT.		4 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	848	6	7,470	0	15,072	0	22,675	0	30,277	0	37,879	0	45,479	0	53,081	0	60,684
1/8	924	1/8	7,629	1/8	15,231	1/8	22,833	1/8	30,435	1/8	38,037	1/8	45,637	1/8	53,239	1/8	60,842
1/4	1,004	1/4	7,787	1/4	15,389	1/4	22,991	1/4	30,594	1/4	38,195	1/4	45,796	1/4	53,398	1/4	61,001
3/8	1,086	3/8	7,945	3/8	15,548	3/8	23,150	3/8	30,752	3/8	38,354	3/8	45,954	3/8	53,556	3/8	61,159
1/2	1,172	1/2	8,104	1/2	15,706	1/2	23,308	1/2	30,910	1/2	38,512	1/2	46,112	1/2	53,714	1/2	61,317
5/8	1,261	5/8	8,262	5/8	15,864	5/8	23,466	5/8	31,069	5/8	38,670	5/8	46,271	5/8	53,873	5/8	61,476
3/4	1,353	3/4	8,421	3/4	16,023	3/4	23,625	3/4	31,227	3/4	38,829	3/4	46,429	3/4	54,031	3/4	61,634
7/8	1,449	7/8	8,579	7/8	16,181	7/8	23,783	7/8	31,385	7/8	38,987	7/8	46,587	7/8	54,190	7/8	61,793
1	1,548	7	8,737	1	16,339	1	23,942	1	31,544	1	39,145	1	46,746	1	54,348	1	61,951
1/8	1,650	1/8	8,896	1/8	16,498	1/8	24,100	1/8	31,702	1/8	39,304	1/8	46,904	1/8	54,506	1/8	62,109
1/4	1,756	1/4	9,054	1/4	16,656	1/4	24,258	1/4	31,861	1/4	39,462	1/4	47,062	1/4	54,665	1/4	62,268
3/8	1,864	3/8	9,212	3/8	16,815	3/8	24,417	3/8	32,019	3/8	39,620	3/8	47,221	3/8	54,823	3/8	62,426
1/2	1,977	1/2	9,371	1/2	16,973	1/2	24,575	1/2	32,177	1/2	39,779	1/2	47,379	1/2	54,982	1/2	62,585
5/8	2,092	5/8	9,529	5/8	17,131	5/8	24,734	5/8	32,336	5/8	39,937	5/8	47,537	5/8	55,140	5/8	62,743
3/4	2,211	3/4	9,688	3/4	17,290	3/4	24,892	3/4	32,494	3/4	40,095	3/4	47,696	3/4	55,298	3/4	62,901
7/8	2,333	7/8	9,846	7/8	17,448	7/8	25,050	7/8	32,652	7/8	40,254	7/8	47,854	7/8	55,457	7/8	63,060
2	2,458	8	10,004	2	17,607	2	25,209	2	32,811	2	40,412	2	48,012	2	55,615	2	63,218
1/8	2,587	1/8	10,163	1/8	17,765	1/8	25,367	1/8	32,969	1/8	40,570	1/8	48,171	1/8	55,774	1/8	63,377
1/4	2,719	1/4	10,321	1/4	17,923	1/4	25,525	1/4	33,128	1/4	40,729	1/4	48,329	1/4	55,932	1/4	63,535
3/8	2,854	3/8	10,479	3/8	18,082	3/8	25,684	3/8	33,286	3/8	40,887	3/8	48,487	3/8	56,090	3/8	63,693
1/2	2,993	1/2	10,638	1/2	18,240	1/2	25,842	1/2	33,444	1/2	41,045	1/2	48,646	1/2	56,249	1/2	63,852
5/8	3,135	5/8	10,796	5/8	18,398	5/8	26,001	5/8	33,603	5/8	41,204	5/8	48,804	5/8	56,407	5/8	64,010
3/4	3,280	3/4	10,955	3/4	18,557	3/4	26,159	3/4	33,761	3/4	41,362	3/4	48,963	3/4	56,566	3/4	64,169
7/8	3,428	7/8	11,113	7/8	18,715	7/8	26,317	7/8	33,920	7/8	41,520	7/8	49,121	7/8	56,724	7/8	64,327
3	3,580	9	11,271	3	18,874	3	26,476	3	34,078	3	41,679	3	49,279	3	56,882	3	64,485
1/8	3,735	1/8	11,430	1/8	19,032	1/8	26,634	1/8	34,236	1/8	41,837	1/8	49,438	1/8	57,041	1/8	64,644
1/4	3,894	1/4	11,588	1/4	19,190	1/4	26,792	1/4	34,395	1/4	41,995	1/4	49,596	1/4	57,199	1/4	64,802
3/8	4,055	3/8	11,747	3/8	19,349	3/8	26,951	3/8	34,553	3/8	42,154	3/8	49,755	3/8	57,358	3/8	64,961
1/2	4,220	1/2	11,905	1/2	19,507	1/2	27,109	1/2	34,712	1/2	42,312	1/2	49,913	1/2	57,516	1/2	65,119
5/8	4,389	5/8	12,063	5/8	19,665	5/8	27,268	5/8	34,870	5/8	42,470	5/8	50,071	5/8	57,674	5/8	65,277
3/4	4,560	3/4	12,222	3/4	19,824	3/4	27,426	3/4	35,028	3/4	42,629	3/4	50,230	3/4	57,833	3/4	65,436
7/8	4,735	7/8	12,380	7/8	19,982	7/8	27,584	7/8	35,187	7/8	42,787	7/8	50,388	7/8	57,991	7/8	65,594
4	4,913	10	12,538	4	20,141	4	27,743	4	35,345	4	42,945	4	50,547	4	58,150	4	65,753
1/8	5,095	1/8	12,697	1/8	20,299	1/8	27,901	1/8	35,503	1/8	43,104	1/8	50,705	1/8	58,308	1/8	65,911
1/4	5,253	1/4	12,855	1/4	20,457	1/4	28,059	1/4	35,662	1/4	43,262	1/4	50,863	1/4	58,466	1/4	66,069
3/8	5,411	3/8	13,014	3/8	20,616	3/8	28,218	3/8	35,820	3/8	43,420	3/8	51,022	3/8	58,625	3/8	66,228
1/2	5,570	1/2	13,172	1/2	20,774	1/2	28,376	1/2	35,979	1/2	43,579	1/2	51,180	1/2	58,783	1/2	66,386
5/8	5,728	5/8	13,330	5/8	20,932	5/8	28,535	5/8	36,137	5/8	43,737	5/8	51,339	5/8	58,942	5/8	66,544
3/4	5,887	3/4	13,489	3/4	21,091	3/4	28,693	3/4	36,295	3/4	43,895	3/4	51,497	3/4	59,100	3/4	66,703
7/8	6,045	7/8	13,647	7/8	21,249	7/8	28,851	7/8	36,454	7/8	44,054	7/8	51,655	7/8	59,258	7/8	66,861
5	6,203	11	13,805	5	21,408	5	29,010	5	36,612	5	44,212	5	51,814	5	59,417	5	67,020
1/8	6,362	1/8	13,964	1/8	21,566	1/8	29,168	1/8	36,770	1/8	44,371	1/8	51,972	1/8	59,575	1/8	67,178
1/4	6,520	1/4	14,122	1/4	21,724	1/4	29,326	1/4	36,929	1/4	44,529	1/4	52,130	1/4	59,733	1/4	67,336
3/8	6,678	3/8	14,281	3/8	21,883	3/8	29,485	3/8	37,087	3/8	44,687	3/8	52,289	3/8	59,892	3/8	67,495
1/2	6,837	1/2	14,439	1/2	22,041	1/2	29,643	1/2	37,245	1/2	44,846	1/2	52,447	1/2	60,050	1/2	67,653
5/8	6,995	5/8	14,597	5/8	22,199	5/8	29,802	5/8	37,404	5/8	45,004	5/8	52,606	5/8	60,209	5/8	67,812
3/4	7,154	3/4	14,756	3/4	22,358	3/4	29,960	3/4	37,562	3/4	45,162	3/4	52,764	3/4	60,367	3/4	67,970
7/8	7,312	7/8	14,914	7/8	22,516	7/8	30,118	7/8	37,720	7/8	45,321	7/8	52,922	7/8	60,525	7/8	68,128

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

NOTE: CAPACITY TABLE APPLIES ONLY TO INNAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 8 1/2"

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	75,890	6	83,493	0	91,096	6	98,699	0	106,302	6	113,905	0	121,508	6	129,108	0	136,709	6	144,309
1/8	76,048	1/8	83,651	1/8	91,254	1/8	98,857	1/8	106,460	1/8	114,063	1/8	121,666	1/8	129,267	1/8	136,867	1/8	144,467
1/4	76,207	1/4	83,810	1/4	91,413	1/4	99,016	1/4	106,619	1/4	114,222	1/4	121,825	1/4	129,425	1/4	137,025	1/4	144,626
3/8	76,365	3/8	83,968	3/8	91,571	3/8	99,174	3/8	106,777	3/8	114,380	3/8	121,933	3/8	129,583	3/8	137,184	3/8	144,784
1/2	76,523	1/2	84,126	1/2	91,729	1/2	99,332	1/2	106,935	1/2	114,538	1/2	122,141	1/2	129,742	1/2	137,342	1/2	144,942
5/8	76,682	5/8	84,285	5/8	91,888	5/8	99,491	5/8	107,094	5/8	114,697	5/8	122,300	5/8	129,900	5/8	137,500	5/8	145,101
3/4	76,840	3/4	84,443	3/4	92,046	3/4	99,649	3/4	107,252	3/4	114,855	3/4	122,458	3/4	130,058	3/4	137,659	3/4	145,259
7/8	76,999	7/8	84,602	7/8	92,205	7/8	99,808	7/8	107,411	7/8	115,014	7/8	122,616	7/8	130,217	7/8	137,817	7/8	145,417
1	77,157	7	84,760	1	92,363	7	99,966	1	107,569	7	115,172	1	122,775	7	130,375	1	137,975	7	145,576
1/8	77,315	1/8	84,918	1/8	92,521	1/8	100,124	1/8	107,727	1/8	115,330	1/8	122,933	1/8	130,533	1/8	138,134	1/8	145,734
1/4	77,474	1/4	85,077	1/4	92,680	1/4	100,283	1/4	107,886	1/4	115,489	1/4	123,091	1/4	130,692	1/4	138,292	1/4	145,892
3/8	77,632	3/8	85,235	3/8	92,838	3/8	100,441	3/8	108,044	3/8	115,647	3/8	123,250	3/8	130,850	3/8	138,450	3/8	146,051
1/2	77,791	1/2	85,394	1/2	92,997	1/2	100,600	1/2	108,203	1/2	115,806	1/2	123,408	1/2	131,008	1/2	138,609	1/2	146,209
5/8	77,949	5/8	85,552	5/8	93,155	5/8	100,758	5/8	108,361	5/8	115,964	5/8	123,566	5/8	131,167	5/8	138,767	5/8	146,367
3/4	78,107	3/4	85,710	3/4	93,313	3/4	100,916	3/4	108,519	3/4	116,122	3/4	123,725	3/4	131,325	3/4	138,925	3/4	146,526
7/8	78,266	7/8	85,869	7/8	93,472	7/8	101,075	7/8	108,678	7/8	116,281	7/8	123,883	7/8	131,483	7/8	139,084	7/8	146,684
2	78,424	8	86,027	2	93,630	8	101,233	2	108,836	8	116,439	2	124,041	8	131,642	2	139,242	8	146,842
1/8	78,583	1/8	86,186	1/8	93,789	1/8	101,392	1/8	108,995	1/8	116,598	1/8	124,200	1/8	131,800	1/8	139,400	1/8	147,001
1/4	78,741	1/4	86,344	1/4	93,947	1/4	101,550	1/4	109,153	1/4	116,756	1/4	124,358	1/4	131,958	1/4	139,559	1/4	147,159
3/8	78,899	3/8	86,502	3/8	94,105	3/8	101,708	3/8	109,311	3/8	116,914	3/8	124,516	3/8	132,117	3/8	139,717	3/8	147,317
1/2	79,058	1/2	86,661	1/2	94,264	1/2	101,867	1/2	109,470	1/2	117,073	1/2	124,675	1/2	132,275	1/2	139,875	1/2	147,476
5/8	79,216	5/8	86,819	5/8	94,422	5/8	102,025	5/8	109,628	5/8	117,231	5/8	124,833	5/8	132,433	5/8	140,034	5/8	147,634
3/4	79,375	3/4	86,978	3/4	94,581	3/4	102,184	3/4	109,787	3/4	117,390	3/4	124,991	3/4	132,592	3/4	140,192	3/4	147,792
7/8	79,533	7/8	87,136	7/8	94,739	7/8	102,342	7/8	109,945	7/8	117,548	7/8	125,150	7/8	132,750	7/8	140,350	7/8	147,951
3	79,691	9	87,294	3	94,897	9	102,500	3	110,103	9	117,706	3	125,308	9	132,908	3	140,509	9	148,109
1/8	79,850	1/8	87,453	1/8	95,056	1/8	102,659	1/8	110,262	1/8	117,865	1/8	125,466	1/8	133,067	1/8	140,667	1/8	148,267
1/4	80,008	1/4	87,611	1/4	95,214	1/4	102,817	1/4	110,420	1/4	118,023	1/4	125,625	1/4	133,225	1/4	140,825	1/4	148,426
3/8	80,167	3/8	87,770	3/8	95,373	3/8	102,976	3/8	110,579	3/8	118,182	3/8	125,783	3/8	133,383	3/8	140,984	3/8	148,584
1/2	80,325	1/2	87,928	1/2	95,531	1/2	103,134	1/2	110,737	1/2	118,340	1/2	125,941	1/2	133,542	1/2	141,142	1/2	148,743
5/8	80,483	5/8	88,086	5/8	95,689	5/8	103,292	5/8	110,895	5/8	118,498	5/8	126,100	5/8	133,700	5/8	141,301	5/8	148,901
3/4	80,642	3/4	88,245	3/4	95,848	3/4	103,451	3/4	111,054	3/4	118,657	3/4	126,258	3/4	133,858	3/4	141,459	3/4	149,059
7/8	80,800	7/8	88,403	7/8	96,006	7/8	103,609	7/8	111,212	7/8	118,815	7/8	126,416	7/8	134,017	7/8	141,617	7/8	149,218
4	80,959	10	88,562	4	96,165	10	103,767	4	111,370	10	118,973	4	126,575	10	134,175	4	141,776	10	149,376
1/8	81,117	1/8	88,720	1/8	96,323	1/8	103,926	1/8	111,529	1/8	119,132	1/8	126,733	1/8	134,334	1/8	141,934	1/8	149,534
1/4	81,275	1/4	88,878	1/4	96,481	1/4	104,084	1/4	111,687	1/4	119,290	1/4	126,892	1/4	134,492	1/4	142,092	1/4	149,693
3/8	81,434	3/8	89,037	3/8	96,640	3/8	104,243	3/8	111,846	3/8	119,449	3/8	127,050	3/8	134,650	3/8	142,251	3/8	149,851
1/2	81,592	1/2	89,195	1/2	96,798	1/2	104,401	1/2	112,004	1/2	119,607	1/2	127,208	1/2	134,809	1/2	142,409	1/2	150,009
5/8	81,750	5/8	89,353	5/8	96,956	5/8	104,559	5/8	112,162	5/8	119,765	5/8	127,367	5/8	134,967	5/8	142,567	5/8	150,168
3/4	81,909	3/4	89,512	3/4	97,115	3/4	104,718	3/4	112,321	3/4	119,924	3/4	127,525	3/4	135,125	3/4	142,726	3/4	150,326
7/8	82,067	7/8	89,670	7/8	97,273	7/8	104,876	7/8	112,479	7/8	120,082	7/8	127,683	7/8	135,284	7/8	142,884	7/8	150,484
5	82,226	11	89,829	5	97,432	11	105,035	5	112,638	11	120,241	5	127,842	11	135,442	5	143,042	11	150,643
1/8	82,384	1/8	89,987	1/8	97,590	1/8	105,193	1/8	112,796	1/8	120,399	1/8	128,000	1/8	135,600	1/8	143,201	1/8	150,801
1/4	82,542	1/4	90,145	1/4	97,748	1/4	105,351	1/4	112,954	1/4	120,557	1/4	128,158	1/4	135,759	1/4	143,359	1/4	150,959
3/8	82,701	3/8	90,304	3/8	97,907	3/8	105,510	3/8	113,113	3/8	120,716	3/8	128,317	3/8	135,917	3/8	143,517	3/8	151,118
1/2	82,859	1/2	90,462	1/2	98,065	1/2	105,668	1/2	113,271	1/2	120,874	1/2	128,475	1/2	136,075	1/2	143,676	1/2	151,276
5/8	83,018	5/8	90,621	5/8	98,224	5/8	105,827	5/8	113,430	5/8	121,033	5/8	128,633	5/8	136,234	5/8	143,834	5/8	151,434
3/4	83,176	3/4	90,779	3/4	98,382	3/4	105,985	3/4	113,588	3/4	121,191	3/4	128,792	3/4	136,392	3/4	143,992	3/4	151,593
7/8	83,334	7/8	90,937	7/8	98,540	7/8	106,143	7/8	113,746	7/8	121,349	7/8	128,950	7/8	136,550	7/8	144,151	7/8	151,751

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

NOTE: CAPACITY TABLE APPLIES ONLY TO INNAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration



MANUAL GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 8 1/2"

10 FT.		10 FT.		11 FT.		11 FT.		12 FT.		12 FT.		13 FT.		13 FT.		14 FT.		14 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	151,909	6	159,510	0	167,110	6	174,710	0	182,311	6	189,911	0	197,511	6	205,098	0	212,669	6	220,176
1/8	152,068	1/8	159,668	1/8	167,268	1/8	174,869	1/8	182,469	1/8	190,069	1/8	197,670	1/8	205,256	1/8	212,827	1/8	220,311
1/4	152,226	1/4	159,826	1/4	167,427	1/4	175,027	1/4	182,627	1/4	190,228	1/4	197,828	1/4	205,414	1/4	212,984	1/4	220,444
3/8	152,384	3/8	159,985	3/8	167,585	3/8	175,185	3/8	182,786	3/8	190,386	3/8	197,986	3/8	205,571	3/8	213,142	3/8	220,572
1/2	152,543	1/2	160,143	1/2	167,743	1/2	175,344	1/2	182,944	1/2	190,544	1/2	198,145	1/2	205,729	1/2	213,300	1/2	220,698
5/8	152,701	5/8	160,301	5/8	167,902	5/8	175,502	5/8	183,102	5/8	190,703	5/8	198,303	5/8	205,887	5/8	213,457	5/8	220,820
3/4	152,859	3/4	160,460	3/4	168,060	3/4	175,660	3/4	183,261	3/4	190,861	3/4	198,461	3/4	206,044	3/4	213,615	3/4	220,939
7/8	153,018	7/8	160,618	7/8	168,218	7/8	175,819	7/8	183,419	7/8	191,019	7/8	198,620	7/8	206,202	7/8	213,773	7/8	221,055
1	153,176	7	160,776	1	168,377	7	175,977	1	183,577	7	191,178	1	198,778	7	206,360	1	213,931	7	221,167
1/8	153,334	1/8	160,935	1/8	168,535	1/8	176,135	1/8	183,736	1/8	191,336	1/8	198,936	1/8	206,518	1/8	214,088	1/8	221,276
1/4	153,493	1/4	161,093	1/4	168,693	1/4	176,294	1/4	183,894	1/4	191,494	1/4	199,095	1/4	206,675	1/4	214,246	1/4	221,382
3/8	153,651	3/8	161,251	3/8	168,852	3/8	176,452	3/8	184,052	3/8	191,653	3/8	199,253	3/8	206,833	3/8	214,404	3/8	221,484
1/2	153,809	1/2	161,410	1/2	169,010	1/2	176,610	1/2	184,211	1/2	191,811	1/2	199,411	1/2	206,991	1/2	214,562	1/2	221,583
5/8	153,968	5/8	161,568	5/8	169,168	5/8	176,769	5/8	184,369	5/8	191,969	5/8	199,570	5/8	207,149	5/8	214,719	5/8	221,679
3/4	154,126	3/4	161,726	3/4	169,327	3/4	176,927	3/4	184,527	3/4	192,128	3/4	199,728	3/4	207,306	3/4	214,877	3/4	221,772
7/8	154,284	7/8	161,885	7/8	169,485	7/8	177,085	7/8	184,686	7/8	192,286	7/8	199,887	7/8	207,464	7/8	215,035	7/8	221,861
2	154,443	8	162,043	2	169,643	8	177,244	2	184,844	8	192,444	2	200,045	8	207,622	2	215,192	8	221,947
1/8	154,601	1/8	162,201	1/8	169,802	1/8	177,402	1/8	185,002	1/8	192,603	1/8	200,203	1/8	207,779	1/8	215,350	1/8	222,030
1/4	154,759	1/4	162,360	1/4	169,960	1/4	177,560	1/4	185,161	1/4	192,761	1/4	200,362	1/4	207,937	1/4	215,508	1/4	222,109
3/8	154,918	3/8	162,518	3/8	170,118	3/8	177,719	3/8	185,319	3/8	192,920	3/8	200,520	3/8	208,095	3/8	215,666	3/8	222,185
1/2	155,076	1/2	162,676	1/2	170,277	1/2	177,877	1/2	185,478	1/2	193,078	1/2	200,678	1/2	208,253	1/2	215,823	1/2	222,258
5/8	155,234	5/8	162,835	5/8	170,435	5/8	178,036	5/8	185,636	5/8	193,236	5/8	200,837	5/8	208,410	5/8	215,981	5/8	222,328
3/4	155,393	3/4	162,993	3/4	170,594	3/4	178,194	3/4	185,794	3/4	193,395	3/4	200,995	3/4	208,568	3/4	216,139	3/4	222,394
7/8	155,551	7/8	163,151	7/8	170,752	7/8	178,352	7/8	185,953	7/8	193,553	7/8	201,153	7/8	208,726	7/8	216,297	7/8	222,457
3	155,709	9	163,310	3	170,910	9	178,511	3	186,111	9	193,711	3	201,312	9	208,883	3	216,454	9	222,516
1/8	155,868	1/8	163,468	1/8	171,069	1/8	178,669	1/8	186,269	1/8	193,870	1/8	201,470	1/8	209,041	1/8	216,612	1/8	222,572
1/4	156,026	1/4	163,627	1/4	171,227	1/4	178,827	1/4	186,428	1/4	194,028	1/4	201,628	1/4	209,199	1/4	216,770	1/4	222,625
3/8	156,185	3/8	163,785	3/8	171,385	3/8	178,986	3/8	186,586	3/8	194,186	3/8	201,786	3/8	209,357	3/8	216,928	3/8	222,676
1/2	156,343	1/2	163,943	1/2	171,544	1/2	179,144	1/2	186,744	1/2	194,345	1/2	201,944	1/2	209,514	1/2	217,086	1/2	222,723
5/8	156,501	5/8	164,102	5/8	171,702	5/8	179,302	5/8	186,903	5/8	194,503	5/8	202,101	5/8	209,672	5/8	217,243	5/8	222,766
3/4	156,660	3/4	164,260	3/4	171,860	3/4	179,461	3/4	187,061	3/4	194,661	3/4	202,259	3/4	209,830	3/4	217,401	3/4	222,807
7/8	156,818	7/8	164,418	7/8	172,019	7/8	179,619	7/8	187,219	7/8	194,820	7/8	202,417	7/8	209,988	7/8	217,559	7/8	222,844
4	156,976	10	164,577	4	172,177	10	179,777	4	187,378	10	194,978	4	202,575	10	210,145	4	217,717	10	222,878
1/8	157,135	1/8	164,735	1/8	172,335	1/8	179,936	1/8	187,536	1/8	195,136	1/8	202,732	1/8	210,303	1/8	217,874	1/8	222,908
1/4	157,293	1/4	164,893	1/4	172,494	1/4	180,094	1/4	187,694	1/4	195,295	1/4	202,890	1/4	210,461	1/4	218,032	1/4	222,935
3/8	157,451	3/8	165,052	3/8	172,652	3/8	180,252	3/8	187,853	3/8	195,453	3/8	203,048	3/8	210,618	3/8	218,190	3/8	222,959
1/2	157,610	1/2	165,210	1/2	172,810	1/2	180,411	1/2	188,011	1/2	195,611	1/2	203,205	1/2	210,776	1/2	218,348	1/2	222,980
5/8	157,768	5/8	165,368	5/8	172,969	5/8	180,569	5/8	188,169	5/8	195,770	5/8	203,363	5/8	210,934	5/8	218,505	5/8	222,997
3/4	157,926	3/4	165,527	3/4	173,127	3/4	180,727	3/4	188,328	3/4	195,928	3/4	203,521	3/4	211,092	3/4	218,663	3/4	223,011
7/8	158,085	7/8	165,685	7/8	173,285	7/8	180,886	7/8	188,486	7/8	196,086	7/8	203,679	7/8	211,249	7/8	218,821	7/8	223,022
5	158,243	11	165,843	5	173,444	11	181,044	5	188,644	11	196,245	5	203,836	11	211,407	5	218,979	11	223,029
1/8	158,401	1/8	166,002	1/8	173,602	1/8	181,202	1/8	188,803	1/8	196,403	1/8	203,994	1/8	211,565	1/8	219,136	1/8	223,033
1/4	158,560	1/4	166,160	1/4	173,760	1/4	181,361	1/4	188,961	1/4	196,561	1/4	204,152	1/4	211,722	1/4	219,294	1/4	223,034
3/8	158,718	3/8	166,318	3/8	173,919	3/8	181,519	3/8	189,119	3/8	196,720	3/8	204,310	3/8	211,880	3/8	219,449	3/8	223,034
1/2	158,876	1/2	166,477	1/2	174,077	1/2	181,677	1/2	189,278	1/2	196,878	1/2	204,467	1/2	212,038	1/2	219,601	1/2	223,034
5/8	159,035	5/8	166,635	5/8	174,235	5/8	181,836	5/8	189,436	5/8	197,036	5/8	204,625	5/8	212,196	5/8	219,750	5/8	223,034
3/4	159,193	3/4	166,793	3/4	174,394	3/4	181,994	3/4	189,594	3/4	197,195	3/4	204,783	3/4	212,353	3/4	219,895	3/4	223,034
7/8	159,351	7/8	166,952	7/8	174,552	7/8	182,152	7/8	189,753	7/8	197,353	7/8	204,940	7/8	212,511	7/8	220,037	7/8	223,034

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

NOTE: CAPACITY TABLE APPLIES ONLY TO INNAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

MANUAL GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 8 3/4"

0 FT.		1 FT.		1 FT.		2 FT.		2 FT.		3 FT.		3 FT.		4 FT.		4 FT.			
IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.		
0	847	6	7,460	0	15,051	6	22,643	0	30,234	6	37,820	0	45,353	6	52,929	0	60,522	6	68,114
1/8	923	1/8	7,618	1/8	15,210	1/8	22,801	1/8	30,393	1/8	37,959	1/8	45,510	1/8	53,087	1/8	60,680	1/8	68,272
1/4	1,002	1/4	7,776	1/4	15,368	1/4	22,959	1/4	30,551	1/4	38,116	1/4	45,667	1/4	53,246	1/4	60,838	1/4	68,430
3/8	1,085	3/8	7,934	3/8	15,526	3/8	23,117	3/8	30,709	3/8	38,273	3/8	45,825	3/8	53,404	3/8	60,996	3/8	68,588
1/2	1,170	1/2	8,092	1/2	15,684	1/2	23,276	1/2	30,867	1/2	38,431	1/2	45,982	1/2	53,562	1/2	61,154	1/2	68,747
5/8	1,259	5/8	8,251	5/8	15,842	5/8	23,434	5/8	31,025	5/8	38,588	5/8	46,139	5/8	53,720	5/8	61,312	5/8	68,905
3/4	1,351	3/4	8,409	3/4	16,000	3/4	23,592	3/4	31,183	3/4	38,745	3/4	46,297	3/4	53,878	3/4	61,471	3/4	69,063
7/8	1,447	7/8	8,567	7/8	16,158	7/8	23,750	7/8	31,341	7/8	38,903	7/8	46,454	7/8	54,036	7/8	61,629	7/8	69,221
1	1,546	7	8,725	1	16,317	7	23,908	1	31,500	7	39,060	1	46,611	7	54,195	1	61,787	7	69,379
1/8	1,648	1/8	8,883	1/8	16,475	1/8	24,066	1/8	31,658	1/8	39,217	1/8	46,768	1/8	54,353	1/8	61,945	1/8	69,537
1/4	1,753	1/4	9,041	1/4	16,633	1/4	24,224	1/4	31,816	1/4	39,375	1/4	46,926	1/4	54,511	1/4	62,103	1/4	69,696
3/8	1,862	3/8	9,200	3/8	16,791	3/8	24,383	3/8	31,974	3/8	39,532	3/8	47,083	3/8	54,669	3/8	62,261	3/8	69,854
1/2	1,974	1/2	9,358	1/2	16,949	1/2	24,541	1/2	32,132	1/2	39,689	1/2	47,240	1/2	54,827	1/2	62,420	1/2	70,012
5/8	2,089	5/8	9,516	5/8	17,107	5/8	24,699	5/8	32,290	5/8	39,847	5/8	47,398	5/8	54,985	5/8	62,578	5/8	70,170
3/4	2,208	3/4	9,674	3/4	17,266	3/4	24,857	3/4	32,449	3/4	40,004	3/4	47,555	3/4	55,144	3/4	62,736	3/4	70,328
7/8	2,330	7/8	9,832	7/8	17,424	7/8	25,015	7/8	32,607	7/8	40,161	7/8	47,712	7/8	55,302	7/8	62,894	7/8	70,487
2	2,455	8	9,990	2	17,582	8	25,173	2	32,765	8	40,319	2	47,870	8	55,460	2	63,052	8	70,645
1/8	2,583	1/8	10,149	1/8	17,740	1/8	25,332	1/8	32,923	1/8	40,476	1/8	48,027	1/8	55,618	1/8	63,211	1/8	70,803
1/4	2,715	1/4	10,307	1/4	17,898	1/4	25,490	1/4	33,081	1/4	40,633	1/4	48,184	1/4	55,776	1/4	63,369	1/4	70,961
3/8	2,850	3/8	10,465	3/8	18,056	3/8	25,648	3/8	33,239	3/8	40,791	3/8	48,342	3/8	55,935	3/8	63,527	3/8	71,119
1/2	2,989	1/2	10,623	1/2	18,215	1/2	25,806	1/2	33,396	1/2	40,948	1/2	48,501	1/2	56,093	1/2	63,685	1/2	71,277
5/8	3,130	5/8	10,781	5/8	18,373	5/8	25,964	5/8	33,553	5/8	41,105	5/8	48,659	5/8	56,251	5/8	63,843	5/8	71,436
3/4	3,275	3/4	10,939	3/4	18,531	3/4	26,122	3/4	33,711	3/4	41,262	3/4	48,817	3/4	56,409	3/4	64,001	3/4	71,594
7/8	3,424	7/8	11,097	7/8	18,689	7/8	26,280	7/8	33,868	7/8	41,420	7/8	48,975	7/8	56,567	7/8	64,160	7/8	71,752
3	3,575	9	11,256	3	18,847	9	26,439	3	34,026	9	41,577	3	49,133	9	56,725	3	64,318	9	71,910
1/8	3,730	1/8	11,414	1/8	19,005	1/8	26,597	1/8	34,183	1/8	41,734	1/8	49,291	1/8	56,884	1/8	64,476	1/8	72,068
1/4	3,888	1/4	11,572	1/4	19,163	1/4	26,755	1/4	34,340	1/4	41,892	1/4	49,449	1/4	57,042	1/4	64,634	1/4	72,226
3/8	4,050	3/8	11,730	3/8	19,322	3/8	26,913	3/8	34,498	3/8	42,049	3/8	49,608	3/8	57,200	3/8	64,792	3/8	72,385
1/2	4,214	1/2	11,888	1/2	19,480	1/2	27,071	1/2	34,655	1/2	42,206	1/2	49,766	1/2	57,358	1/2	64,950	1/2	72,543
5/8	4,382	5/8	12,046	5/8	19,638	5/8	27,229	5/8	34,812	5/8	42,364	5/8	49,924	5/8	57,516	5/8	65,109	5/8	72,701
3/4	4,554	3/4	12,205	3/4	19,796	3/4	27,388	3/4	34,970	3/4	42,521	3/4	50,082	3/4	57,674	3/4	65,267	3/4	72,859
7/8	4,728	7/8	12,363	7/8	19,954	7/8	27,546	7/8	35,127	7/8	42,678	7/8	50,240	7/8	57,833	7/8	65,425	7/8	73,017
4	4,906	10	12,521	4	20,112	10	27,704	4	35,284	10	42,836	4	50,398	10	57,991	4	65,583	10	73,175
1/8	5,088	1/8	12,679	1/8	20,271	1/8	27,862	1/8	35,442	1/8	42,993	1/8	50,557	1/8	58,149	1/8	65,741	1/8	73,334
1/4	5,246	1/4	12,837	1/4	20,429	1/4	28,020	1/4	35,599	1/4	43,150	1/4	50,715	1/4	58,307	1/4	65,899	1/4	73,492
3/8	5,404	3/8	12,995	3/8	20,587	3/8	28,178	3/8	35,756	3/8	43,308	3/8	50,873	3/8	58,465	3/8	66,058	3/8	73,650
1/2	5,562	1/2	13,153	1/2	20,745	1/2	28,337	1/2	35,914	1/2	43,465	1/2	51,031	1/2	58,623	1/2	66,216	1/2	73,808
5/8	5,720	5/8	13,312	5/8	20,903	5/8	28,495	5/8	36,071	5/8	43,622	5/8	51,189	5/8	58,782	5/8	66,374	5/8	73,966
3/4	5,878	3/4	13,470	3/4	21,061	3/4	28,653	3/4	36,228	3/4	43,780	3/4	51,347	3/4	58,940	3/4	66,532	3/4	74,125
7/8	6,036	7/8	13,628	7/8	21,219	7/8	28,811	7/8	36,386	7/8	43,937	7/8	51,506	7/8	59,098	7/8	66,690	7/8	74,283
5	6,195	11	13,786	5	21,378	11	28,969	5	36,543	11	44,094	5	51,664	11	59,256	5	66,849	11	74,441
1/8	6,353	1/8	13,944	1/8	21,536	1/8	29,127	1/8	36,700	1/8	44,251	1/8	51,822	1/8	59,414	1/8	67,007	1/8	74,599
1/4	6,511	1/4	14,102	1/4	21,694	1/4	29,285	1/4	36,858	1/4	44,409	1/4	51,980	1/4	59,573	1/4	67,165	1/4	74,757
3/8	6,669	3/8	14,261	3/8	21,852	3/8	29,444	3/8	37,015	3/8	44,566	3/8	52,138	3/8	59,731	3/8	67,323	3/8	74,915
1/2	6,827	1/2	14,419	1/2	22,010	1/2	29,602	1/2	37,172	1/2	44,723	1/2	52,297	1/2	59,889	1/2	67,481	1/2	75,074
5/8	6,985	5/8	14,577	5/8	22,168	5/8	29,760	5/8	37,330	5/8	44,881	5/8	52,455	5/8	60,047	5/8	67,639	5/8	75,232
3/4	7,144	3/4	14,735	3/4	22,327	3/4	29,918	3/4	37,487	3/4	45,038	3/4	52,613	3/4	60,205	3/4	67,798	3/4	75,390
7/8	7,302	7/8	14,893	7/8	22,485	7/8	30,076	7/8	37,644	7/8	45,195	7/8	52,771	7/8	60,363	7/8	67,956	7/8	75,548

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

NOTE: CAPACITY TABLE APPLIES ONLY TO INNAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 8 3/4"

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	75,706	6	83,299	0	90,891	6	98,483	0	106,076	6	113,668	0	121,260	6	128,850	0	136,440	6	144,030
1/8	75,864	1/8	83,457	1/8	91,049	1/8	98,642	1/8	106,234	1/8	113,826	1/8	121,419	1/8	129,008	1/8	136,598	1/8	144,188
1/4	76,023	1/4	83,615	1/4	91,207	1/4	98,800	1/4	106,392	1/4	113,984	1/4	121,577	1/4	129,166	1/4	136,756	1/4	144,346
3/8	76,181	3/8	83,773	3/8	91,365	3/8	98,958	3/8	106,550	3/8	114,143	3/8	121,735	3/8	129,325	3/8	136,914	3/8	144,504
1/2	76,339	1/2	83,931	1/2	91,524	1/2	99,116	1/2	106,708	1/2	114,301	1/2	121,893	1/2	129,483	1/2	137,072	1/2	144,662
5/8	76,497	5/8	84,089	5/8	91,682	5/8	99,274	5/8	106,867	5/8	114,459	5/8	122,051	5/8	129,641	5/8	137,231	5/8	144,820
3/4	76,655	3/4	84,248	3/4	91,840	3/4	99,432	3/4	107,025	3/4	114,617	3/4	122,209	3/4	129,799	3/4	137,389	3/4	144,978
7/8	76,813	7/8	84,406	7/8	91,998	7/8	99,591	7/8	107,183	7/8	114,775	7/8	122,367	7/8	129,957	7/8	137,547	7/8	145,136
1	76,972	7	84,564	1	92,156	7	99,749	1	107,341	7	114,933	1	122,525	7	130,115	1	137,705	7	145,295
1/8	77,130	1/8	84,722	1/8	92,315	1/8	99,907	1/8	107,499	1/8	115,092	1/8	122,684	1/8	130,273	1/8	137,863	1/8	145,453
1/4	77,288	1/4	84,880	1/4	92,473	1/4	100,065	1/4	107,657	1/4	115,250	1/4	122,842	1/4	130,431	1/4	138,021	1/4	145,611
3/8	77,446	3/8	85,039	3/8	92,631	3/8	100,223	3/8	107,816	3/8	115,408	3/8	123,000	3/8	130,590	3/8	138,179	3/8	145,769
1/2	77,604	1/2	85,197	1/2	92,789	1/2	100,381	1/2	107,974	1/2	115,566	1/2	123,158	1/2	130,748	1/2	138,337	1/2	145,927
5/8	77,763	5/8	85,355	5/8	92,947	5/8	100,540	5/8	108,132	5/8	115,724	5/8	123,316	5/8	130,906	5/8	138,495	5/8	146,085
3/4	77,921	3/4	85,513	3/4	93,105	3/4	100,698	3/4	108,290	3/4	115,882	3/4	123,474	3/4	131,064	3/4	138,654	3/4	146,243
7/8	78,079	7/8	85,671	7/8	93,264	7/8	100,856	7/8	108,448	7/8	116,041	7/8	123,632	7/8	131,222	7/8	138,812	7/8	146,401
2	78,237	8	85,829	2	93,422	8	101,014	2	108,606	8	116,199	2	123,790	8	131,380	2	138,970	8	146,560
1/8	78,395	1/8	85,988	1/8	93,580	1/8	101,172	1/8	108,765	1/8	116,357	1/8	123,949	1/8	131,538	1/8	139,128	1/8	146,718
1/4	78,553	1/4	86,146	1/4	93,738	1/4	101,330	1/4	108,923	1/4	116,515	1/4	124,107	1/4	131,696	1/4	139,286	1/4	146,876
3/8	78,712	3/8	86,304	3/8	93,896	3/8	101,489	3/8	109,081	3/8	116,673	3/8	124,265	3/8	131,854	3/8	139,444	3/8	147,034
1/2	78,870	1/2	86,462	1/2	94,054	1/2	101,647	1/2	109,239	1/2	116,832	1/2	124,423	1/2	132,013	1/2	139,602	1/2	147,192
5/8	79,028	5/8	86,620	5/8	94,213	5/8	101,805	5/8	109,397	5/8	116,990	5/8	124,581	5/8	132,171	5/8	139,760	5/8	147,350
3/4	79,186	3/4	86,778	3/4	94,371	3/4	101,963	3/4	109,556	3/4	117,148	3/4	124,739	3/4	132,329	3/4	139,919	3/4	147,508
7/8	79,344	7/8	86,937	7/8	94,529	7/8	102,121	7/8	109,714	7/8	117,306	7/8	124,897	7/8	132,487	7/8	140,077	7/8	147,666
3	79,502	9	87,095	3	94,687	9	102,280	3	109,872	9	117,464	3	125,055	9	132,645	3	140,235	9	147,824
1/8	79,661	1/8	87,253	1/8	94,845	1/8	102,438	1/8	110,030	1/8	117,622	1/8	125,213	1/8	132,803	1/8	140,393	1/8	147,983
1/4	79,819	1/4	87,411	1/4	95,003	1/4	102,596	1/4	110,188	1/4	117,781	1/4	125,372	1/4	132,961	1/4	140,551	1/4	148,141
3/8	79,977	3/8	87,569	3/8	95,162	3/8	102,754	3/8	110,346	3/8	117,939	3/8	125,530	3/8	133,119	3/8	140,709	3/8	148,299
1/2	80,135	1/2	87,727	1/2	95,320	1/2	102,912	1/2	110,505	1/2	118,097	1/2	125,688	1/2	133,278	1/2	140,867	1/2	148,457
5/8	80,293	5/8	87,886	5/8	95,478	5/8	103,070	5/8	110,663	5/8	118,255	5/8	125,846	5/8	133,436	5/8	141,025	5/8	148,615
3/4	80,451	3/4	88,044	3/4	95,636	3/4	103,229	3/4	110,821	3/4	118,413	3/4	126,004	3/4	133,594	3/4	141,183	3/4	148,773
7/8	80,610	7/8	88,202	7/8	95,794	7/8	103,387	7/8	110,979	7/8	118,571	7/8	126,162	7/8	133,752	7/8	141,342	7/8	148,931
4	80,768	10	88,360	4	95,953	10	103,545	4	111,137	10	118,730	4	126,320	10	133,910	4	141,500	10	149,089
1/8	80,926	1/8	88,518	1/8	96,111	1/8	103,703	1/8	111,295	1/8	118,888	1/8	126,478	1/8	134,068	1/8	141,658	1/8	149,248
1/4	81,084	1/4	88,677	1/4	96,269	1/4	103,861	1/4	111,454	1/4	119,046	1/4	126,637	1/4	134,226	1/4	141,816	1/4	149,406
3/8	81,242	3/8	88,835	3/8	96,427	3/8	104,019	3/8	111,612	3/8	119,204	3/8	126,795	3/8	134,384	3/8	141,974	3/8	149,564
1/2	81,401	1/2	88,993	1/2	96,585	1/2	104,178	1/2	111,770	1/2	119,362	1/2	126,953	1/2	134,542	1/2	142,132	1/2	149,722
5/8	81,559	5/8	89,151	5/8	96,743	5/8	104,336	5/8	111,928	5/8	119,520	5/8	127,111	5/8	134,701	5/8	142,290	5/8	149,880
3/4	81,717	3/4	89,309	3/4	96,902	3/4	104,494	3/4	112,086	3/4	119,679	3/4	127,269	3/4	134,859	3/4	142,448	3/4	150,038
7/8	81,875	7/8	89,467	7/8	97,060	7/8	104,652	7/8	112,244	7/8	119,837	7/8	127,427	7/8	135,017	7/8	142,607	7/8	150,196
5	82,033	11	89,626	5	97,218	11	104,810	5	112,403	11	119,995	5	127,585	11	135,175	5	142,765	11	150,354
1/8	82,191	1/8	89,784	1/8	97,376	1/8	104,968	1/8	112,561	1/8	120,153	1/8	127,743	1/8	135,333	1/8	142,923	1/8	150,512
1/4	82,350	1/4	89,942	1/4	97,534	1/4	105,127	1/4	112,719	1/4	120,311	1/4	127,901	1/4	135,491	1/4	143,081	1/4	150,671
3/8	82,508	3/8	90,100	3/8	97,692	3/8	105,285	3/8	112,877	3/8	120,470	3/8	128,060	3/8	135,649	3/8	143,239	3/8	150,829
1/2	82,666	1/2	90,258	1/2	97,851	1/2	105,443	1/2	113,035	1/2	120,628	1/2	128,218	1/2	135,807	1/2	143,397	1/2	150,987
5/8	82,824	5/8	90,416	5/8	98,009	5/8	105,601	5/8	113,194	5/8	120,786	5/8	128,376	5/8	135,966	5/8	143,555	5/8	151,145
3/4	82,982	3/4	90,575	3/4	98,167	3/4	105,759	3/4	113,352	3/4	120,944	3/4	128,534	3/4	136,124	3/4	143,713	3/4	151,303
7/8	83,140	7/8	90,733	7/8	98,325	7/8	105,918	7/8	113,510	7/8	121,102	7/8	128,692	7/8	136,282	7/8	143,871	7/8	151,461

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD MPMS CHAPTER 2.7.
 NOTE: CAPACITY TABLE APPLIES ONLY TO INNAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE
 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: 1/19/2012 BY: JLF
 DATE COMPUTED: 1/23/2012 BY: WHF
 DATE ISSUED: 1/24/2012

Independent Vessel Calibration

MANUAL GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 8 3/4"

10 FT.		10 FT.		11 FT.		11 FT.		12 FT.		12 FT.		13 FT.		13 FT.		14 FT.		14 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	151,619	6	159,209	0	166,799	6	174,388	0	181,978	6	189,568	0	197,158	6	204,734	0	212,294	6	219,790
1/8	151,777	1/8	159,367	1/8	166,957	1/8	174,547	1/8	182,136	1/8	189,726	1/8	197,316	1/8	204,891	1/8	212,451	1/8	219,926
1/4	151,936	1/4	159,525	1/4	167,115	1/4	174,705	1/4	182,294	1/4	189,884	1/4	197,474	1/4	205,049	1/4	212,609	1/4	220,058
3/8	152,094	3/8	159,683	3/8	167,273	3/8	174,863	3/8	182,452	3/8	190,042	3/8	197,632	3/8	205,206	3/8	212,766	3/8	220,186
1/2	152,252	1/2	159,842	1/2	167,431	1/2	175,021	1/2	182,611	1/2	190,200	1/2	197,790	1/2	205,364	1/2	212,924	1/2	220,312
5/8	152,410	5/8	160,000	5/8	167,589	5/8	175,179	5/8	182,769	5/8	190,358	5/8	197,948	5/8	205,521	5/8	213,081	5/8	220,434
3/4	152,568	3/4	160,158	3/4	167,747	3/4	175,337	3/4	182,927	3/4	190,517	3/4	198,106	3/4	205,679	3/4	213,239	3/4	220,552
7/8	152,726	7/8	160,316	7/8	167,906	7/8	175,495	7/8	183,085	7/8	190,675	7/8	198,264	7/8	205,836	7/8	213,396	7/8	220,668
1	152,884	7	160,474	1	168,064	7	175,653	1	183,243	7	190,833	1	198,422	7	205,994	1	213,554	7	220,780
1/8	153,042	1/8	160,632	1/8	168,222	1/8	175,812	1/8	183,401	1/8	190,991	1/8	198,581	1/8	206,151	1/8	213,711	1/8	220,889
1/4	153,201	1/4	160,790	1/4	168,380	1/4	175,970	1/4	183,559	1/4	191,149	1/4	198,739	1/4	206,309	1/4	213,869	1/4	220,994
3/8	153,359	3/8	160,948	3/8	168,538	3/8	176,128	3/8	183,717	3/8	191,307	3/8	198,897	3/8	206,466	3/8	214,026	3/8	221,097
1/2	153,517	1/2	161,106	1/2	168,696	1/2	176,286	1/2	183,876	1/2	191,465	1/2	199,055	1/2	206,624	1/2	214,184	1/2	221,196
5/8	153,675	5/8	161,265	5/8	168,854	5/8	176,444	5/8	184,034	5/8	191,623	5/8	199,213	5/8	206,781	5/8	214,341	5/8	221,292
3/4	153,833	3/4	161,423	3/4	169,012	3/4	176,602	3/4	184,192	3/4	191,782	3/4	199,371	3/4	206,939	3/4	214,499	3/4	221,384
7/8	153,991	7/8	161,581	7/8	169,171	7/8	176,760	7/8	184,350	7/8	191,940	7/8	199,529	7/8	207,096	7/8	214,656	7/8	221,473
2	154,149	8	161,739	2	169,329	8	176,918	2	184,508	8	192,098	2	199,687	8	207,254	2	214,814	8	221,559
1/8	154,307	1/8	161,897	1/8	169,487	1/8	177,076	1/8	184,666	1/8	192,256	1/8	199,846	1/8	207,411	1/8	214,971	1/8	221,642
1/4	154,465	1/4	162,055	1/4	169,645	1/4	177,235	1/4	184,824	1/4	192,414	1/4	200,004	1/4	207,569	1/4	215,129	1/4	221,721
3/8	154,624	3/8	162,213	3/8	169,803	3/8	177,393	3/8	184,982	3/8	192,572	3/8	200,162	3/8	207,726	3/8	215,286	3/8	221,797
1/2	154,782	1/2	162,371	1/2	169,961	1/2	177,551	1/2	185,141	1/2	192,730	1/2	200,320	1/2	207,884	1/2	215,444	1/2	221,869
5/8	154,940	5/8	162,530	5/8	170,119	5/8	177,709	5/8	185,299	5/8	192,888	5/8	200,478	5/8	208,041	5/8	215,601	5/8	221,939
3/4	155,098	3/4	162,688	3/4	170,277	3/4	177,867	3/4	185,457	3/4	193,046	3/4	200,636	3/4	208,199	3/4	215,759	3/4	222,005
7/8	155,256	7/8	162,846	7/8	170,435	7/8	178,025	7/8	185,615	7/8	193,205	7/8	200,794	7/8	208,356	7/8	215,916	7/8	222,068
3	155,414	9	163,004	3	170,594	9	178,183	3	185,773	9	193,363	3	200,952	9	208,514	3	216,074	9	222,127
1/8	155,572	1/8	163,162	1/8	170,752	1/8	178,341	1/8	185,931	1/8	193,521	1/8	201,111	1/8	208,671	1/8	216,232	1/8	222,183
1/4	155,730	1/4	163,320	1/4	170,910	1/4	178,500	1/4	186,089	1/4	193,679	1/4	201,269	1/4	208,829	1/4	216,389	1/4	222,236
3/8	155,889	3/8	163,478	3/8	171,068	3/8	178,658	3/8	186,247	3/8	193,837	3/8	201,426	3/8	208,986	3/8	216,547	3/8	222,286
1/2	156,047	1/2	163,636	1/2	171,226	1/2	178,816	1/2	186,405	1/2	193,995	1/2	201,584	1/2	209,144	1/2	216,704	1/2	222,333
5/8	156,205	5/8	163,794	5/8	171,384	5/8	178,974	5/8	186,564	5/8	194,153	5/8	201,741	5/8	209,301	5/8	216,862	5/8	222,377
3/4	156,363	3/4	163,953	3/4	171,542	3/4	179,132	3/4	186,722	3/4	194,311	3/4	201,899	3/4	209,459	3/4	217,019	3/4	222,417
7/8	156,521	7/8	164,111	7/8	171,700	7/8	179,290	7/8	186,880	7/8	194,470	7/8	202,056	7/8	209,616	7/8	217,177	7/8	222,454
4	156,679	10	164,269	4	171,859	10	179,448	4	187,038	10	194,628	4	202,214	10	209,774	4	217,334	10	222,488
1/8	156,837	1/8	164,427	1/8	172,017	1/8	179,606	1/8	187,196	1/8	194,786	1/8	202,371	1/8	209,931	1/8	217,492	1/8	222,519
1/4	156,995	1/4	164,585	1/4	172,175	1/4	179,764	1/4	187,354	1/4	194,944	1/4	202,529	1/4	210,089	1/4	217,649	1/4	222,546
3/8	157,153	3/8	164,743	3/8	172,333	3/8	179,923	3/8	187,512	3/8	195,102	3/8	202,686	3/8	210,246	3/8	217,807	3/8	222,569
1/2	157,312	1/2	164,901	1/2	172,491	1/2	180,081	1/2	187,670	1/2	195,260	1/2	202,844	1/2	210,404	1/2	217,964	1/2	222,590
5/8	157,470	5/8	165,059	5/8	172,649	5/8	180,239	5/8	187,829	5/8	195,418	5/8	203,001	5/8	210,561	5/8	218,122	5/8	222,607
3/4	157,628	3/4	165,218	3/4	172,807	3/4	180,397	3/4	187,987	3/4	195,576	3/4	203,159	3/4	210,719	3/4	218,280	3/4	222,621
7/8	157,786	7/8	165,376	7/8	172,965	7/8	180,555	7/8	188,145	7/8	195,734	7/8	203,316	7/8	210,876	7/8	218,437	7/8	222,632
5	157,944	11	165,534	5	173,123	11	180,713	5	188,303	11	195,893	5	203,474	11	211,034	5	218,595	11	222,639
1/8	158,102	1/8	165,692	1/8	173,282	1/8	180,871	1/8	188,461	1/8	196,051	1/8	203,631	1/8	211,191	1/8	218,752	1/8	222,643
1/4	158,260	1/4	165,850	1/4	173,440	1/4	181,029	1/4	188,619	1/4	196,209	1/4	203,789	1/4	211,349	1/4	218,910	1/4	222,644
3/8	158,418	3/8	166,008	3/8	173,598	3/8	181,188	3/8	188,777	3/8	196,367	3/8	203,946	3/8	211,506	3/8	219,065	3/8	222,644
1/2	158,577	1/2	166,166	1/2	173,756	1/2	181,346	1/2	188,935	1/2	196,525	1/2	204,104	1/2	211,664	1/2	219,216	1/2	222,644
5/8	158,735	5/8	166,324	5/8	173,914	5/8	181,504	5/8	189,093	5/8	196,683	5/8	204,261	5/8	211,821	5/8	219,365	5/8	222,644
3/4	158,893	3/4	166,482	3/4	174,072	3/4	181,662	3/4	189,252	3/4	196,841	3/4	204,419	3/4	211,979	3/4	219,510	3/4	222,644
7/8	159,051	7/8	166,641	7/8	174,230	7/8	181,820	7/8	189,410	7/8	196,999	7/8	204,576	7/8	212,136	7/8	219,652	7/8	222,644

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

NOTE: CAPACITY TABLE APPLIES ONLY TO INNAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

MANUAL GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 9"

0 FT.		1 FT.		1 FT.		2 FT.		2 FT.		3 FT.		3 FT.		4 FT.		4 FT.			
IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.		
0	845	6	7,442	0	15,015	6	22,587	0	30,160	6	37,733	0	45,305	6	52,878	0	60,451	6	68,025
1/8	921	1/8	7,599	1/8	15,172	1/8	22,745	1/8	30,318	1/8	37,891	1/8	45,463	1/8	53,036	1/8	60,609	1/8	68,183
1/4	1,000	1/4	7,757	1/4	15,330	1/4	22,903	1/4	30,476	1/4	38,049	1/4	45,621	1/4	53,193	1/4	60,767	1/4	68,341
3/8	1,082	3/8	7,915	3/8	15,488	3/8	23,061	3/8	30,634	3/8	38,207	3/8	45,778	3/8	53,351	3/8	60,925	3/8	68,499
1/2	1,167	1/2	8,073	1/2	15,646	1/2	23,219	1/2	30,791	1/2	38,364	1/2	45,936	1/2	53,509	1/2	61,083	1/2	68,656
5/8	1,256	5/8	8,230	5/8	15,803	5/8	23,376	5/8	30,949	5/8	38,522	5/8	46,094	5/8	53,667	5/8	61,240	5/8	68,814
3/4	1,348	3/4	8,388	3/4	15,961	3/4	23,534	3/4	31,107	3/4	38,680	3/4	46,252	3/4	53,824	3/4	61,398	3/4	68,972
7/8	1,443	7/8	8,546	7/8	16,119	7/8	23,692	7/8	31,265	7/8	38,838	7/8	46,409	7/8	53,982	7/8	61,556	7/8	69,130
1	1,542	7	8,704	1	16,277	7	23,850	1	31,423	7	38,995	1	46,567	7	54,140	1	61,714	7	69,288
1/8	1,644	1/8	8,862	1/8	16,434	1/8	24,007	1/8	31,580	1/8	39,153	1/8	46,725	1/8	54,298	1/8	61,872	1/8	69,445
1/4	1,749	1/4	9,019	1/4	16,592	1/4	24,165	1/4	31,738	1/4	39,311	1/4	46,883	1/4	54,456	1/4	62,029	1/4	69,603
3/8	1,857	3/8	9,177	3/8	16,750	3/8	24,323	3/8	31,896	3/8	39,469	3/8	47,040	3/8	54,613	3/8	62,187	3/8	69,761
1/2	1,969	1/2	9,335	1/2	16,908	1/2	24,481	1/2	32,054	1/2	39,626	1/2	47,198	1/2	54,771	1/2	62,345	1/2	69,919
5/8	2,084	5/8	9,493	5/8	17,066	5/8	24,638	5/8	32,211	5/8	39,784	5/8	47,356	5/8	54,929	5/8	62,503	5/8	70,076
3/4	2,202	3/4	9,650	3/4	17,223	3/4	24,796	3/4	32,369	3/4	39,942	3/4	47,514	3/4	55,087	3/4	62,660	3/4	70,234
7/8	2,324	7/8	9,808	7/8	17,381	7/8	24,954	7/8	32,527	7/8	40,100	7/8	47,671	7/8	55,245	7/8	62,818	7/8	70,392
2	2,449	8	9,966	2	17,539	8	25,112	2	32,685	8	40,257	2	47,829	8	55,402	2	62,976	8	70,550
1/8	2,577	1/8	10,124	1/8	17,697	1/8	25,270	1/8	32,843	1/8	40,415	1/8	47,987	1/8	55,560	1/8	63,134	1/8	70,708
1/4	2,709	1/4	10,281	1/4	17,854	1/4	25,427	1/4	33,000	1/4	40,573	1/4	48,144	1/4	55,718	1/4	63,292	1/4	70,865
3/8	2,843	3/8	10,439	3/8	18,012	3/8	25,585	3/8	33,158	3/8	40,731	3/8	48,302	3/8	55,876	3/8	63,449	3/8	71,023
1/2	2,981	1/2	10,597	1/2	18,170	1/2	25,743	1/2	33,316	1/2	40,888	1/2	48,460	1/2	56,033	1/2	63,607	1/2	71,181
5/8	3,123	5/8	10,755	5/8	18,328	5/8	25,901	5/8	33,474	5/8	41,046	5/8	48,618	5/8	56,191	5/8	63,765	5/8	71,339
3/4	3,267	3/4	10,913	3/4	18,485	3/4	26,058	3/4	33,631	3/4	41,204	3/4	48,775	3/4	56,349	3/4	63,923	3/4	71,497
7/8	3,415	7/8	11,070	7/8	18,643	7/8	26,216	7/8	33,789	7/8	41,362	7/8	48,933	7/8	56,507	7/8	64,081	7/8	71,654
3	3,566	9	11,228	3	18,801	9	26,374	3	33,947	9	41,519	3	49,091	9	56,665	3	64,238	9	71,812
1/8	3,721	1/8	11,386	1/8	18,959	1/8	26,532	1/8	34,105	1/8	41,677	1/8	49,249	1/8	56,822	1/8	64,396	1/8	71,970
1/4	3,879	1/4	11,544	1/4	19,117	1/4	26,689	1/4	34,263	1/4	41,835	1/4	49,406	1/4	56,980	1/4	64,554	1/4	72,128
3/8	4,040	3/8	11,701	3/8	19,274	3/8	26,847	3/8	34,420	3/8	41,993	3/8	49,564	3/8	57,138	3/8	64,712	3/8	72,285
1/2	4,204	1/2	11,859	1/2	19,432	1/2	27,005	1/2	34,578	1/2	42,150	1/2	49,722	1/2	57,296	1/2	64,870	1/2	72,443
5/8	4,372	5/8	12,017	5/8	19,590	5/8	27,163	5/8	34,736	5/8	42,308	5/8	49,880	5/8	57,454	5/8	65,027	5/8	72,601
3/4	4,543	3/4	12,175	3/4	19,748	3/4	27,321	3/4	34,894	3/4	42,466	3/4	50,038	3/4	57,611	3/4	65,185	3/4	72,759
7/8	4,717	7/8	12,332	7/8	19,905	7/8	27,478	7/8	35,051	7/8	42,624	7/8	50,195	7/8	57,769	7/8	65,343	7/8	72,917
4	4,894	10	12,490	4	20,063	10	27,636	4	35,209	10	42,781	4	50,353	10	57,927	4	65,501	10	73,074
1/8	5,075	1/8	12,648	1/8	20,221	1/8	27,794	1/8	35,367	1/8	42,939	1/8	50,511	1/8	58,085	1/8	65,658	1/8	73,232
1/4	5,233	1/4	12,806	1/4	20,379	1/4	27,952	1/4	35,525	1/4	43,097	1/4	50,669	1/4	58,242	1/4	65,816	1/4	73,390
3/8	5,391	3/8	12,964	3/8	20,536	3/8	28,109	3/8	35,683	3/8	43,254	3/8	50,826	3/8	58,400	3/8	65,974	3/8	73,548
1/2	5,548	1/2	13,121	1/2	20,694	1/2	28,267	1/2	35,840	1/2	43,412	1/2	50,984	1/2	58,558	1/2	66,132	1/2	73,706
5/8	5,706	5/8	13,279	5/8	20,852	5/8	28,425	5/8	35,998	5/8	43,570	5/8	51,142	5/8	58,716	5/8	66,290	5/8	73,863
3/4	5,864	3/4	13,437	3/4	21,010	3/4	28,583	3/4	36,156	3/4	43,728	3/4	51,300	3/4	58,874	3/4	66,447	3/4	74,021
7/8	6,022	7/8	13,595	7/8	21,168	7/8	28,740	7/8	36,314	7/8	43,885	7/8	51,458	7/8	59,031	7/8	66,605	7/8	74,179
5	6,179	11	13,752	5	21,325	11	28,898	5	36,471	11	44,043	5	51,615	11	59,189	5	66,763	11	74,337
1/8	6,337	1/8	13,910	1/8	21,483	1/8	29,056	1/8	36,629	1/8	44,201	1/8	51,773	1/8	59,347	1/8	66,921	1/8	74,495
1/4	6,495	1/4	14,068	1/4	21,641	1/4	29,214	1/4	36,787	1/4	44,359	1/4	51,931	1/4	59,505	1/4	67,079	1/4	74,652
3/8	6,653	3/8	14,226	3/8	21,799	3/8	29,372	3/8	36,945	3/8	44,516	3/8	52,089	3/8	59,663	3/8	67,236	3/8	74,810
1/2	6,811	1/2	14,383	1/2	21,956	1/2	29,529	1/2	37,103	1/2	44,674	1/2	52,247	1/2	59,820	1/2	67,394	1/2	74,968
5/8	6,968	5/8	14,541	5/8	22,114	5/8	29,687	5/8	37,260	5/8	44,832	5/8	52,404	5/8	59,978	5/8	67,552	5/8	75,126
3/4	7,126	3/4	14,699	3/4	22,272	3/4	29,845	3/4	37,418	3/4	44,990	3/4	52,562	3/4	60,136	3/4	67,710	3/4	75,283
7/8	7,284	7/8	14,857	7/8	22,430	7/8	30,003	7/8	37,576	7/8	45,147	7/8	52,720	7/8	60,294	7/8	67,867	7/8	75,441

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

NOTE: CAPACITY TABLE APPLIES ONLY TO INNAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration



MOC 17

TANK NO. 3 PORT

Conrad Shipbuilding: Hull # C-967
MANUAL GAUGING

MANUAL INNAGE TABLE

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 9"

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	75,599	6	83,173	0	90,747	6	98,320	0	105,894	6	113,468	0	121,042	6	128,613	0	136,184	6	143,755
1/8	75,757	1/8	83,331	1/8	90,904	1/8	98,478	1/8	106,052	1/8	113,626	1/8	121,199	1/8	128,771	1/8	136,342	1/8	143,913
1/4	75,915	1/4	83,488	1/4	91,062	1/4	98,636	1/4	106,210	1/4	113,783	1/4	121,357	1/4	128,928	1/4	136,499	1/4	144,071
3/8	76,072	3/8	83,646	3/8	91,220	3/8	98,794	3/8	106,367	3/8	113,941	3/8	121,515	3/8	129,086	3/8	136,657	3/8	144,228
1/2	76,230	1/2	83,804	1/2	91,378	1/2	98,951	1/2	106,525	1/2	114,099	1/2	121,673	1/2	129,244	1/2	136,815	1/2	144,386
5/8	76,388	5/8	83,962	5/8	91,535	5/8	99,109	5/8	106,683	5/8	114,257	5/8	121,830	5/8	129,401	5/8	136,973	5/8	144,544
3/4	76,546	3/4	84,119	3/4	91,693	3/4	99,267	3/4	106,841	3/4	114,415	3/4	121,988	3/4	129,559	3/4	137,130	3/4	144,701
7/8	76,704	7/8	84,277	7/8	91,851	7/8	99,425	7/8	106,999	7/8	114,572	7/8	122,146	7/8	129,717	7/8	137,288	7/8	144,859
1	76,861	7	84,435	1	92,009	7	99,583	1	107,156	7	114,730	1	122,304	7	129,875	1	137,446	7	145,017
1/8	77,019	1/8	84,593	1/8	92,167	1/8	99,740	1/8	107,314	1/8	114,888	1/8	122,461	1/8	130,032	1/8	137,604	1/8	145,175
1/4	77,177	1/4	84,751	1/4	92,324	1/4	99,898	1/4	107,472	1/4	115,046	1/4	122,619	1/4	130,190	1/4	137,761	1/4	145,332
3/8	77,335	3/8	84,908	3/8	92,482	3/8	100,056	3/8	107,630	3/8	115,203	3/8	122,777	3/8	130,348	3/8	137,919	3/8	145,490
1/2	77,492	1/2	85,066	1/2	92,640	1/2	100,214	1/2	107,788	1/2	115,361	1/2	122,934	1/2	130,506	1/2	138,077	1/2	145,648
5/8	77,650	5/8	85,224	5/8	92,798	5/8	100,372	5/8	107,945	5/8	115,519	5/8	123,092	5/8	130,663	5/8	138,234	5/8	145,806
3/4	77,808	3/4	85,382	3/4	92,956	3/4	100,529	3/4	108,103	3/4	115,677	3/4	123,250	3/4	130,821	3/4	138,392	3/4	145,963
7/8	77,966	7/8	85,540	7/8	93,113	7/8	100,687	7/8	108,261	7/8	115,835	7/8	123,408	7/8	130,979	7/8	138,550	7/8	146,121
2	78,124	8	85,697	2	93,271	8	100,845	2	108,419	8	115,992	2	123,565	8	131,137	2	138,708	8	146,279
1/8	78,281	1/8	85,855	1/8	93,429	1/8	101,003	1/8	108,576	1/8	116,150	1/8	123,723	1/8	131,294	1/8	138,865	1/8	146,436
1/4	78,439	1/4	86,013	1/4	93,587	1/4	101,160	1/4	108,734	1/4	116,308	1/4	123,881	1/4	131,452	1/4	139,023	1/4	146,594
3/8	78,597	3/8	86,171	3/8	93,744	3/8	101,318	3/8	108,892	3/8	116,466	3/8	124,039	3/8	131,610	3/8	139,181	3/8	146,752
1/2	78,755	1/2	86,329	1/2	93,902	1/2	101,476	1/2	109,050	1/2	116,624	1/2	124,196	1/2	131,767	1/2	139,339	1/2	146,910
5/8	78,913	5/8	86,486	5/8	94,060	5/8	101,634	5/8	109,208	5/8	116,781	5/8	124,354	5/8	131,925	5/8	139,496	5/8	147,067
3/4	79,070	3/4	86,644	3/4	94,218	3/4	101,792	3/4	109,365	3/4	116,939	3/4	124,512	3/4	132,083	3/4	139,654	3/4	147,225
7/8	79,228	7/8	86,802	7/8	94,376	7/8	101,949	7/8	109,523	7/8	117,097	7/8	124,670	7/8	132,241	7/8	139,812	7/8	147,383
3	79,386	9	86,960	3	94,533	9	102,107	3	109,681	9	117,255	3	124,827	9	132,398	3	139,969	9	147,541
1/8	79,544	1/8	87,117	1/8	94,691	1/8	102,265	1/8	109,839	1/8	117,413	1/8	124,985	1/8	132,556	1/8	140,127	1/8	147,698
1/4	79,701	1/4	87,275	1/4	94,849	1/4	102,423	1/4	109,997	1/4	117,570	1/4	125,143	1/4	132,714	1/4	140,285	1/4	147,856
3/8	79,859	3/8	87,433	3/8	95,007	3/8	102,581	3/8	110,154	3/8	117,728	3/8	125,300	3/8	132,872	3/8	140,443	3/8	147,941
1/2	80,017	1/2	87,591	1/2	95,165	1/2	102,738	1/2	110,312	1/2	117,886	1/2	125,458	1/2	133,029	1/2	140,600	1/2	148,025
5/8	80,175	5/8	87,749	5/8	95,322	5/8	102,896	5/8	110,470	5/8	118,044	5/8	125,616	5/8	133,187	5/8	140,758	5/8	148,110
3/4	80,333	3/4	87,906	3/4	95,480	3/4	103,054	3/4	110,628	3/4	118,201	3/4	125,774	3/4	133,345	3/4	140,916	3/4	148,194
7/8	80,490	7/8	88,064	7/8	95,638	7/8	103,212	7/8	110,785	7/8	118,359	7/8	125,931	7/8	133,502	7/8	141,074	7/8	148,279
4	80,648	10	88,222	4	95,796	10	103,369	4	110,943	10	118,517	4	126,089	10	133,660	4	141,231	10	148,364
1/8	80,806	1/8	88,380	1/8	95,954	1/8	103,527	1/8	111,101	1/8	118,675	1/8	126,247	1/8	133,818	1/8	141,389	1/8	148,448
1/4	80,964	1/4	88,538	1/4	96,111	1/4	103,685	1/4	111,259	1/4	118,833	1/4	126,405	1/4	133,976	1/4	141,547	1/4	148,533
3/8	81,122	3/8	88,695	3/8	96,269	3/8	103,843	3/8	111,417	3/8	118,990	3/8	126,562	3/8	134,133	3/8	141,705	3/8	148,618
1/2	81,279	1/2	88,853	1/2	96,427	1/2	104,001	1/2	111,574	1/2	119,148	1/2	126,720	1/2	134,291	1/2	141,862	1/2	148,702
5/8	81,437	5/8	89,011	5/8	96,585	5/8	104,158	5/8	111,732	5/8	119,306	5/8	126,878	5/8	134,449	5/8	142,020	5/8	148,787
3/4	81,595	3/4	89,169	3/4	96,742	3/4	104,316	3/4	111,890	3/4	119,464	3/4	127,036	3/4	134,607	3/4	142,178	3/4	148,871
7/8	81,753	7/8	89,326	7/8	96,900	7/8	104,474	7/8	112,048	7/8	119,622	7/8	127,193	7/8	134,764	7/8	142,335	7/8	148,956
5	81,910	11	89,484	5	97,058	11	104,632	5	112,206	11	119,779	5	127,351	11	134,922	5	142,493	11	149,041
1/8	82,068	1/8	89,642	1/8	97,216	1/8	104,790	1/8	112,363	1/8	119,937	1/8	127,509	1/8	135,080	1/8	142,651	1/8	149,125
1/4	82,226	1/4	89,800	1/4	97,374	1/4	104,947	1/4	112,521	1/4	120,095	1/4	127,666	1/4	135,238	1/4	142,809	1/4	149,210
3/8	82,384	3/8	89,958	3/8	97,531	3/8	105,105	3/8	112,679	3/8	120,253	3/8	127,824	3/8	135,395	3/8	142,966	3/8	149,294
1/2	82,542	1/2	90,115	1/2	97,689	1/2	105,263	1/2	112,837	1/2	120,410	1/2	127,982	1/2	135,553	1/2	143,124	1/2	149,379
5/8	82,699	5/8	90,273	5/8	97,847	5/8	105,421	5/8	112,994	5/8	120,568	5/8	128,140	5/8	135,711	5/8	143,282	5/8	149,464
3/4	82,857	3/4	90,431	3/4	98,005	3/4	105,578	3/4	113,152	3/4	120,726	3/4	128,297	3/4	135,868	3/4	143,440	3/4	149,548
7/8	83,015	7/8	90,589	7/8	98,163	7/8	105,736	7/8	113,310	7/8	120,884	7/8	128,455	7/8	136,026	7/8	143,597	7/8	149,633

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

NOTE: CAPACITY TABLE APPLIES ONLY TO INNAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

MANUAL GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 9"

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	149,717	6	153,779	0	157,840	6	161,901	0	165,962	6	170,023	0	174,084	6	178,132	0	182,163	6	186,161
1/8	149,802	1/8	153,863	1/8	157,924	1/8	161,985	1/8	166,047	1/8	170,108	1/8	174,169	1/8	178,216	1/8	182,247	1/8	186,233
1/4	149,887	1/4	153,948	1/4	158,009	1/4	162,070	1/4	166,131	1/4	170,192	1/4	174,253	1/4	178,300	1/4	182,331	1/4	186,304
3/8	149,971	3/8	154,032	3/8	158,094	3/8	162,155	3/8	166,216	3/8	170,277	3/8	174,338	3/8	178,384	3/8	182,415	3/8	186,372
1/2	150,056	1/2	154,117	1/2	158,178	1/2	162,239	1/2	166,300	1/2	170,362	1/2	174,423	1/2	178,468	1/2	182,499	1/2	186,439
5/8	150,140	5/8	154,202	5/8	158,263	5/8	162,324	5/8	166,385	5/8	170,446	5/8	174,507	5/8	178,552	5/8	182,583	5/8	186,504
3/4	150,225	3/4	154,286	3/4	158,347	3/4	162,408	3/4	166,470	3/4	170,531	3/4	174,592	3/4	178,636	3/4	182,667	3/4	186,567
7/8	150,310	7/8	154,371	7/8	158,432	7/8	162,493	7/8	166,554	7/8	170,615	7/8	174,677	7/8	178,720	7/8	182,751	7/8	186,629
1	150,394	7	154,455	1	158,517	7	162,578	1	166,639	7	170,700	1	174,761	7	178,804	1	182,835	7	186,689
1/8	150,479	1/8	154,540	1/8	158,601	1/8	162,662	1/8	166,723	1/8	170,785	1/8	174,846	1/8	178,888	1/8	182,919	1/8	186,747
1/4	150,563	1/4	154,625	1/4	158,686	1/4	162,747	1/4	166,808	1/4	170,869	1/4	174,930	1/4	178,972	1/4	183,003	1/4	186,803
3/8	150,648	3/8	154,709	3/8	158,770	3/8	162,832	3/8	166,893	3/8	170,954	3/8	175,015	3/8	179,056	3/8	183,087	3/8	186,857
1/2	150,733	1/2	154,794	1/2	158,855	1/2	162,916	1/2	166,977	1/2	171,038	1/2	175,100	1/2	179,140	1/2	183,171	1/2	186,910
5/8	150,817	5/8	154,878	5/8	158,940	5/8	163,001	5/8	167,062	5/8	171,123	5/8	175,184	5/8	179,224	5/8	183,255	5/8	186,961
3/4	150,902	3/4	154,963	3/4	159,024	3/4	163,085	3/4	167,146	3/4	171,208	3/4	175,269	3/4	179,308	3/4	183,339	3/4	187,010
7/8	150,987	7/8	155,048	7/8	159,109	7/8	163,170	7/8	167,231	7/8	171,292	7/8	175,353	7/8	179,392	7/8	183,423	7/8	187,058
2	151,071	8	155,132	2	159,193	8	163,255	2	167,316	8	171,377	2	175,438	8	179,476	2	183,507	8	187,103
1/8	151,156	1/8	155,217	1/8	159,278	1/8	163,339	1/8	167,400	1/8	171,461	1/8	175,523	1/8	179,560	1/8	183,591	1/8	187,147
1/4	151,240	1/4	155,301	1/4	159,363	1/4	163,424	1/4	167,485	1/4	171,546	1/4	175,607	1/4	179,644	1/4	183,675	1/4	187,189
3/8	151,325	3/8	155,386	3/8	159,447	3/8	163,508	3/8	167,570	3/8	171,631	3/8	175,692	3/8	179,728	3/8	183,759	3/8	187,230
1/2	151,410	1/2	155,471	1/2	159,532	1/2	163,593	1/2	167,654	1/2	171,715	1/2	175,776	1/2	179,812	1/2	183,843	1/2	187,268
5/8	151,494	5/8	155,555	5/8	159,616	5/8	163,678	5/8	167,739	5/8	171,800	5/8	175,861	5/8	179,896	5/8	183,927	5/8	187,305
3/4	151,579	3/4	155,640	3/4	159,701	3/4	163,762	3/4	167,823	3/4	171,884	3/4	175,946	3/4	179,980	3/4	184,011	3/4	187,340
7/8	151,663	7/8	155,725	7/8	159,786	7/8	163,847	7/8	167,908	7/8	171,969	7/8	176,030	7/8	180,064	7/8	184,095	7/8	187,373
3	151,748	9	155,809	3	159,870	9	163,931	3	167,993	9	172,054	3	176,115	9	180,148	3	184,179	9	187,405
1/8	151,833	1/8	155,894	1/8	159,955	1/8	164,016	1/8	168,077	1/8	172,138	1/8	176,199	1/8	180,232	1/8	184,263	1/8	187,435
1/4	151,917	1/4	155,978	1/4	160,039	1/4	164,101	1/4	168,162	1/4	172,223	1/4	176,284	1/4	180,316	1/4	184,347	1/4	187,463
3/8	152,002	3/8	156,063	3/8	160,124	3/8	164,185	3/8	168,246	3/8	172,308	3/8	176,368	3/8	180,399	3/8	184,431	3/8	187,490
1/2	152,086	1/2	156,148	1/2	160,209	1/2	164,270	1/2	168,331	1/2	172,392	1/2	176,452	1/2	180,483	1/2	184,515	1/2	187,515
5/8	152,171	5/8	156,232	5/8	160,293	5/8	164,354	5/8	168,416	5/8	172,477	5/8	176,536	5/8	180,567	5/8	184,599	5/8	187,538
3/4	152,256	3/4	156,317	3/4	160,378	3/4	164,439	3/4	168,500	3/4	172,561	3/4	176,620	3/4	180,651	3/4	184,683	3/4	187,560
7/8	152,340	7/8	156,401	7/8	160,463	7/8	164,524	7/8	168,585	7/8	172,646	7/8	176,704	7/8	180,735	7/8	184,768	7/8	187,580
4	152,425	10	156,486	4	160,547	10	164,608	4	168,669	10	172,731	4	176,788	10	180,819	4	184,852	10	187,598
1/8	152,509	1/8	156,571	1/8	160,632	1/8	164,693	1/8	168,754	1/8	172,815	1/8	176,872	1/8	180,903	1/8	184,936	1/8	187,614
1/4	152,594	1/4	156,655	1/4	160,716	1/4	164,777	1/4	168,839	1/4	172,900	1/4	176,956	1/4	180,987	1/4	185,020	1/4	187,628
3/8	152,679	3/8	156,740	3/8	160,801	3/8	164,862	3/8	168,923	3/8	172,984	3/8	177,040	3/8	181,071	3/8	185,104	3/8	187,641
1/2	152,763	1/2	156,824	1/2	160,886	1/2	164,947	1/2	169,008	1/2	173,069	1/2	177,124	1/2	181,155	1/2	185,188	1/2	187,652
5/8	152,848	5/8	156,909	5/8	160,970	5/8	165,031	5/8	169,092	5/8	173,154	5/8	177,208	5/8	181,239	5/8	185,272	5/8	187,661
3/4	152,932	3/4	156,994	3/4	161,055	3/4	165,116	3/4	169,177	3/4	173,238	3/4	177,292	3/4	181,323	3/4	185,356	3/4	187,669
7/8	153,017	7/8	157,078	7/8	161,139	7/8	165,201	7/8	169,262	7/8	173,323	7/8	177,376	7/8	181,407	7/8	185,440	7/8	187,674
5	153,102	11	157,163	5	161,224	11	165,285	5	169,346	11	173,407	5	177,460	11	181,491	5	185,524	11	187,678
1/8	153,186	1/8	157,247	1/8	161,309	1/8	165,370	1/8	169,431	1/8	173,492	1/8	177,544	1/8	181,575	1/8	185,608	1/8	187,681
1/4	153,271	1/4	157,332	1/4	161,393	1/4	165,454	1/4	169,515	1/4	173,577	1/4	177,628	1/4	181,659	1/4	185,692	1/4	187,681
3/8	153,356	3/8	157,417	3/8	161,478	3/8	165,539	3/8	169,600	3/8	173,661	3/8	177,712	3/8	181,743	3/8	185,774	3/8	187,681
1/2	153,440	1/2	157,501	1/2	161,562	1/2	165,624	1/2	169,685	1/2	173,746	1/2	177,796	1/2	181,827	1/2	185,855	1/2	187,681
5/8	153,525	5/8	157,586	5/8	161,647	5/8	165,708	5/8	169,769	5/8	173,830	5/8	177,880	5/8	181,911	5/8	185,934	5/8	187,681
3/4	153,609	3/4	157,670	3/4	161,732	3/4	165,793	3/4	169,854	3/4	173,915	3/4	177,964	3/4	181,995	3/4	186,012	3/4	187,681
7/8	153,694	7/8	157,755	7/8	161,816	7/8	165,877	7/8	169,939	7/8	174,000	7/8	178,048	7/8	182,079	7/8	186,087	7/8	187,681

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

NOTE: CAPACITY TABLE APPLIES ONLY TO INNGAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE

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

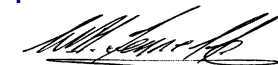
THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration



CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 8 3/4"

0 FT.		1 FT.		1 FT.		2 FT.		2 FT.		3 FT.		3 FT.		4 FT.		4 FT.			
IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.		
0	844	6	7,440	0	15,013	6	22,587	0	30,160	6	37,710	0	45,247	6	52,804	0	60,371	6	67,944
1/8	920	1/8	7,597	1/8	15,171	1/8	22,744	1/8	30,318	1/8	37,868	1/8	45,404	1/8	52,962	1/8	60,529	1/8	68,102
1/4	999	1/4	7,755	1/4	15,329	1/4	22,902	1/4	30,476	1/4	38,025	1/4	45,561	1/4	53,119	1/4	60,686	1/4	68,259
3/8	1,081	3/8	7,913	3/8	15,487	3/8	23,060	3/8	30,634	3/8	38,182	3/8	45,718	3/8	53,277	3/8	60,844	3/8	68,417
1/2	1,166	1/2	8,071	1/2	15,644	1/2	23,218	1/2	30,791	1/2	38,339	1/2	45,875	1/2	53,434	1/2	61,002	1/2	68,575
5/8	1,254	5/8	8,229	5/8	15,802	5/8	23,376	5/8	30,949	5/8	38,496	5/8	46,032	5/8	53,592	5/8	61,159	5/8	68,733
3/4	1,346	3/4	8,386	3/4	15,960	3/4	23,533	3/4	31,107	3/4	38,653	3/4	46,189	3/4	53,750	3/4	61,317	3/4	68,890
7/8	1,441	7/8	8,544	7/8	16,118	7/8	23,691	7/8	31,265	7/8	38,810	7/8	46,346	7/8	53,907	7/8	61,475	7/8	69,048
1	1,540	7	8,702	1	16,275	7	23,849	1	31,422	7	38,967	1	46,503	7	54,065	1	61,632	7	69,206
1/8	1,642	1/8	8,860	1/8	16,433	1/8	24,007	1/8	31,580	1/8	39,124	1/8	46,661	1/8	54,223	1/8	61,790	1/8	69,364
1/4	1,747	1/4	9,018	1/4	16,591	1/4	24,165	1/4	31,738	1/4	39,281	1/4	46,818	1/4	54,380	1/4	61,948	1/4	69,522
3/8	1,855	3/8	9,175	3/8	16,749	3/8	24,322	3/8	31,896	3/8	39,438	3/8	46,975	3/8	54,538	3/8	62,106	3/8	69,679
1/2	1,967	1/2	9,333	1/2	16,907	1/2	24,480	1/2	32,054	1/2	39,595	1/2	47,132	1/2	54,696	1/2	62,263	1/2	69,837
5/8	2,082	5/8	9,491	5/8	17,064	5/8	24,638	5/8	32,211	5/8	39,752	5/8	47,289	5/8	54,853	5/8	62,421	5/8	69,995
3/4	2,200	3/4	9,649	3/4	17,222	3/4	24,796	3/4	32,369	3/4	39,909	3/4	47,446	3/4	55,011	3/4	62,579	3/4	70,153
7/8	2,322	7/8	9,806	7/8	17,380	7/8	24,953	7/8	32,527	7/8	40,066	7/8	47,603	7/8	55,169	7/8	62,737	7/8	70,311
2	2,447	8	9,964	2	17,538	8	25,111	2	32,684	8	40,223	2	47,760	8	55,326	2	62,895	8	70,468
1/8	2,575	1/8	10,122	1/8	17,695	1/8	25,269	1/8	32,842	1/8	40,380	1/8	47,917	1/8	55,484	1/8	63,052	1/8	70,626
1/4	2,706	1/4	10,280	1/4	17,853	1/4	25,427	1/4	33,000	1/4	40,537	1/4	48,074	1/4	55,642	1/4	63,210	1/4	70,784
3/8	2,841	3/8	10,438	3/8	18,011	3/8	25,585	3/8	33,157	3/8	40,694	3/8	48,231	3/8	55,799	3/8	63,368	3/8	70,942
1/2	2,979	1/2	10,595	1/2	18,169	1/2	25,742	1/2	33,314	1/2	40,851	1/2	48,389	1/2	55,957	1/2	63,526	1/2	71,099
5/8	3,120	5/8	10,753	5/8	18,327	5/8	25,900	5/8	33,471	5/8	41,008	5/8	48,547	5/8	56,114	5/8	63,684	5/8	71,257
3/4	3,265	3/4	10,911	3/4	18,484	3/4	26,058	3/4	33,628	3/4	41,165	3/4	48,705	3/4	56,272	3/4	63,841	3/4	71,415
7/8	3,413	7/8	11,069	7/8	18,642	7/8	26,216	7/8	33,785	7/8	41,322	7/8	48,862	7/8	56,430	7/8	63,999	7/8	71,573
3	3,564	9	11,226	3	18,800	9	26,373	3	33,942	9	41,479	3	49,020	9	56,587	3	64,157	9	71,731
1/8	3,719	1/8	11,384	1/8	18,958	1/8	26,531	1/8	34,099	1/8	41,636	1/8	49,178	1/8	56,745	1/8	64,315	1/8	71,888
1/4	3,876	1/4	11,542	1/4	19,116	1/4	26,689	1/4	34,256	1/4	41,793	1/4	49,336	1/4	56,903	1/4	64,472	1/4	72,046
3/8	4,038	3/8	11,700	3/8	19,273	3/8	26,847	3/8	34,413	3/8	41,950	3/8	49,493	3/8	57,060	3/8	64,630	3/8	72,204
1/2	4,202	1/2	11,858	1/2	19,431	1/2	27,005	1/2	34,570	1/2	42,107	1/2	49,651	1/2	57,218	1/2	64,788	1/2	72,362
5/8	4,370	5/8	12,015	5/8	19,589	5/8	27,162	5/8	34,727	5/8	42,264	5/8	49,809	5/8	57,376	5/8	64,946	5/8	72,520
3/4	4,540	3/4	12,173	3/4	19,747	3/4	27,320	3/4	34,884	3/4	42,421	3/4	49,966	3/4	57,533	3/4	65,104	3/4	72,677
7/8	4,715	7/8	12,331	7/8	19,904	7/8	27,478	7/8	35,041	7/8	42,578	7/8	50,124	7/8	57,691	7/8	65,261	7/8	72,835
4	4,892	10	12,489	4	20,062	10	27,636	4	35,198	10	42,735	4	50,281	10	57,849	4	65,419	10	72,993
1/8	5,073	1/8	12,646	1/8	20,220	1/8	27,793	1/8	35,355	1/8	42,892	1/8	50,439	1/8	58,006	1/8	65,577	1/8	73,151
1/4	5,231	1/4	12,804	1/4	20,378	1/4	27,951	1/4	35,512	1/4	43,049	1/4	50,597	1/4	58,164	1/4	65,735	1/4	73,308
3/8	5,389	3/8	12,962	3/8	20,536	3/8	28,109	3/8	35,669	3/8	43,206	3/8	50,754	3/8	58,322	3/8	65,893	3/8	73,466
1/2	5,546	1/2	13,120	1/2	20,693	1/2	28,267	1/2	35,826	1/2	43,363	1/2	50,912	1/2	58,479	1/2	66,050	1/2	73,624
5/8	5,704	5/8	13,278	5/8	20,851	5/8	28,425	5/8	35,983	5/8	43,520	5/8	51,070	5/8	58,637	5/8	66,208	5/8	73,782
3/4	5,862	3/4	13,435	3/4	21,009	3/4	28,582	3/4	36,140	3/4	43,677	3/4	51,227	3/4	58,795	3/4	66,366	3/4	73,940
7/8	6,020	7/8	13,593	7/8	21,167	7/8	28,740	7/8	36,297	7/8	43,834	7/8	51,385	7/8	58,952	7/8	66,524	7/8	74,097
5	6,177	11	13,751	5	21,324	11	28,898	5	36,454	11	43,991	5	51,543	11	59,110	5	66,681	11	74,255
1/8	6,335	1/8	13,909	1/8	21,482	1/8	29,056	1/8	36,611	1/8	44,148	1/8	51,700	1/8	59,267	1/8	66,839	1/8	74,413
1/4	6,493	1/4	14,067	1/4	21,640	1/4	29,214	1/4	36,768	1/4	44,305	1/4	51,858	1/4	59,425	1/4	66,997	1/4	74,571
3/8	6,651	3/8	14,224	3/8	21,798	3/8	29,371	3/8	36,925	3/8	44,462	3/8	52,016	3/8	59,583	3/8	67,155	3/8	74,729
1/2	6,809	1/2	14,382	1/2	21,956	1/2	29,529	1/2	37,082	1/2	44,619	1/2	52,173	1/2	59,740	1/2	67,313	1/2	74,886
5/8	6,966	5/8	14,540	5/8	22,113	5/8	29,687	5/8	37,239	5/8	44,776	5/8	52,331	5/8	59,898	5/8	67,470	5/8	75,044
3/4	7,124	3/4	14,698	3/4	22,271	3/4	29,845	3/4	37,396	3/4	44,933	3/4	52,489	3/4	60,056	3/4	67,628	3/4	75,202
7/8	7,282	7/8	14,855	7/8	22,429	7/8	30,002	7/8	37,553	7/8	45,090	7/8	52,646	7/8	60,213	7/8	67,786	7/8	75,360

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

NOTE: CAPACITY TABLE APPLIES ONLY TO INNAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 8 3/4"

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	75,517	6	83,091	0	90,665	6	98,239	0	105,812	6	113,386	0	120,960	6	128,531	0	136,102	6	143,673
1/8	75,675	1/8	83,249	1/8	90,823	1/8	98,396	1/8	105,970	1/8	113,544	1/8	121,118	1/8	128,689	1/8	136,260	1/8	143,831
1/4	75,833	1/4	83,407	1/4	90,981	1/4	98,554	1/4	106,128	1/4	113,702	1/4	121,275	1/4	128,847	1/4	136,418	1/4	143,989
3/8	75,991	3/8	83,565	3/8	91,138	3/8	98,712	3/8	106,286	3/8	113,860	3/8	121,433	3/8	129,004	3/8	136,575	3/8	144,146
1/2	76,149	1/2	83,722	1/2	91,296	1/2	98,870	1/2	106,444	1/2	114,017	1/2	121,591	1/2	129,162	1/2	136,733	1/2	144,304
5/8	76,306	5/8	83,880	5/8	91,454	5/8	99,028	5/8	106,601	5/8	114,175	5/8	121,749	5/8	129,320	5/8	136,891	5/8	144,462
3/4	76,464	3/4	84,038	3/4	91,612	3/4	99,185	3/4	106,759	3/4	114,333	3/4	121,906	3/4	129,477	3/4	137,049	3/4	144,620
7/8	76,622	7/8	84,196	7/8	91,769	7/8	99,343	7/8	106,917	7/8	114,491	7/8	122,064	7/8	129,635	7/8	137,206	7/8	144,777
1	76,780	7	84,354	1	91,927	7	99,501	1	107,075	7	114,648	1	122,222	7	129,793	1	137,364	7	144,935
1/8	76,938	1/8	84,511	1/8	92,085	1/8	99,659	1/8	107,232	1/8	114,806	1/8	122,380	1/8	129,951	1/8	137,522	1/8	145,093
1/4	77,095	1/4	84,669	1/4	92,243	1/4	99,817	1/4	107,390	1/4	114,964	1/4	122,537	1/4	130,108	1/4	137,679	1/4	145,251
3/8	77,253	3/8	84,827	3/8	92,401	3/8	99,974	3/8	107,548	3/8	115,122	3/8	122,695	3/8	130,266	3/8	137,837	3/8	145,408
1/2	77,411	1/2	84,985	1/2	92,558	1/2	100,132	1/2	107,706	1/2	115,280	1/2	122,853	1/2	130,424	1/2	137,995	1/2	145,566
5/8	77,569	5/8	85,142	5/8	92,716	5/8	100,290	5/8	107,864	5/8	115,437	5/8	123,011	5/8	130,582	5/8	138,153	5/8	145,724
3/4	77,726	3/4	85,300	3/4	92,874	3/4	100,448	3/4	108,021	3/4	115,595	3/4	123,168	3/4	130,739	3/4	138,310	3/4	145,882
7/8	77,884	7/8	85,458	7/8	93,032	7/8	100,605	7/8	108,179	7/8	115,753	7/8	123,326	7/8	130,897	7/8	138,468	7/8	146,039
2	78,042	8	85,616	2	93,190	8	100,763	2	108,337	8	115,911	2	123,484	8	131,055	2	138,626	8	146,197
1/8	78,200	1/8	85,774	1/8	93,347	1/8	100,921	1/8	108,495	1/8	116,069	1/8	123,641	1/8	131,213	1/8	138,784	1/8	146,355
1/4	78,358	1/4	85,931	1/4	93,505	1/4	101,079	1/4	108,653	1/4	116,226	1/4	123,799	1/4	131,370	1/4	138,941	1/4	146,512
3/8	78,515	3/8	86,089	3/8	93,663	3/8	101,237	3/8	108,810	3/8	116,384	3/8	123,957	3/8	131,528	3/8	139,099	3/8	146,670
1/2	78,673	1/2	86,247	1/2	93,821	1/2	101,394	1/2	108,968	1/2	116,542	1/2	124,115	1/2	131,686	1/2	139,257	1/2	146,828
5/8	78,831	5/8	86,405	5/8	93,978	5/8	101,552	5/8	109,126	5/8	116,700	5/8	124,272	5/8	131,843	5/8	139,415	5/8	146,986
3/4	78,989	3/4	86,563	3/4	94,136	3/4	101,710	3/4	109,284	3/4	116,857	3/4	124,430	3/4	132,001	3/4	139,572	3/4	147,143
7/8	79,147	7/8	86,720	7/8	94,294	7/8	101,868	7/8	109,442	7/8	117,015	7/8	124,588	7/8	132,159	7/8	139,730	7/8	147,301
3	79,304	9	86,878	3	94,452	9	102,026	3	109,599	9	117,173	3	124,746	9	132,317	3	139,888	9	147,459
1/8	79,462	1/8	87,036	1/8	94,610	1/8	102,183	1/8	109,757	1/8	117,331	1/8	124,903	1/8	132,474	1/8	140,045	1/8	147,617
1/4	79,620	1/4	87,194	1/4	94,767	1/4	102,341	1/4	109,915	1/4	117,489	1/4	125,061	1/4	132,632	1/4	140,203	1/4	147,774
3/8	79,778	3/8	87,351	3/8	94,925	3/8	102,499	3/8	110,073	3/8	117,646	3/8	125,219	3/8	132,790	3/8	140,361	3/8	147,859
1/2	79,935	1/2	87,509	1/2	95,083	1/2	102,657	1/2	110,230	1/2	117,804	1/2	125,376	1/2	132,948	1/2	140,519	1/2	147,944
5/8	80,093	5/8	87,667	5/8	95,241	5/8	102,814	5/8	110,388	5/8	117,962	5/8	125,534	5/8	133,105	5/8	140,676	5/8	148,028
3/4	80,251	3/4	87,825	3/4	95,399	3/4	102,972	3/4	110,546	3/4	118,120	3/4	125,692	3/4	133,263	3/4	140,834	3/4	148,113
7/8	80,409	7/8	87,983	7/8	95,556	7/8	103,130	7/8	110,704	7/8	118,278	7/8	125,850	7/8	133,421	7/8	140,992	7/8	148,197
4	80,567	10	88,140	4	95,714	10	103,288	4	110,862	10	118,435	4	126,007	10	133,578	4	141,150	10	148,282
1/8	80,724	1/8	88,298	1/8	95,872	1/8	103,446	1/8	111,019	1/8	118,593	1/8	126,165	1/8	133,736	1/8	141,307	1/8	148,367
1/4	80,882	1/4	88,456	1/4	96,030	1/4	103,603	1/4	111,177	1/4	118,751	1/4	126,323	1/4	133,894	1/4	141,465	1/4	148,451
3/8	81,040	3/8	88,614	3/8	96,187	3/8	103,761	3/8	111,335	3/8	118,909	3/8	126,481	3/8	134,052	3/8	141,623	3/8	148,536
1/2	81,198	1/2	88,772	1/2	96,345	1/2	103,919	1/2	111,493	1/2	119,066	1/2	126,638	1/2	134,209	1/2	141,780	1/2	148,620
5/8	81,356	5/8	88,929	5/8	96,503	5/8	104,077	5/8	111,651	5/8	119,224	5/8	126,796	5/8	134,367	5/8	141,938	5/8	148,705
3/4	81,513	3/4	89,087	3/4	96,661	3/4	104,235	3/4	111,808	3/4	119,382	3/4	126,954	3/4	134,525	3/4	142,096	3/4	148,790
7/8	81,671	7/8	89,245	7/8	96,819	7/8	104,392	7/8	111,966	7/8	119,540	7/8	127,112	7/8	134,683	7/8	142,254	7/8	148,874
5	81,829	11	89,403	5	96,976	11	104,550	5	112,124	11	119,698	5	127,269	11	134,840	5	142,411	11	148,959
1/8	81,987	1/8	89,560	1/8	97,134	1/8	104,708	1/8	112,282	1/8	119,855	1/8	127,427	1/8	134,998	1/8	142,569	1/8	149,043
1/4	82,144	1/4	89,718	1/4	97,292	1/4	104,866	1/4	112,439	1/4	120,013	1/4	127,585	1/4	135,156	1/4	142,727	1/4	149,128
3/8	82,302	3/8	89,876	3/8	97,450	3/8	105,023	3/8	112,597	3/8	120,171	3/8	127,742	3/8	135,314	3/8	142,885	3/8	149,213
1/2	82,460	1/2	90,034	1/2	97,608	1/2	105,181	1/2	112,755	1/2	120,329	1/2	127,900	1/2	135,471	1/2	143,042	1/2	149,297
5/8	82,618	5/8	90,192	5/8	97,765	5/8	105,339	5/8	112,913	5/8	120,487	5/8	128,058	5/8	135,629	5/8	143,200	5/8	149,382
3/4	82,776	3/4	90,349	3/4	97,923	3/4	105,497	3/4	113,071	3/4	120,644	3/4	128,216	3/4	135,787	3/4	143,358	3/4	149,466
7/8	82,933	7/8	90,507	7/8	98,081	7/8	105,655	7/8	113,228	7/8	120,802	7/8	128,373	7/8	135,944	7/8	143,516	7/8	149,551

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

NOTE: CAPACITY TABLE APPLIES ONLY TO INNAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration



MANUAL GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 15' 8 3/4"

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	149,636	6	153,697	0	157,758	6	161,819	0	165,880	6	169,941	0	174,002	6	178,050	0	182,081	6	186,079
1/8	149,720	1/8	153,781	1/8	157,843	1/8	161,904	1/8	165,965	1/8	170,026	1/8	174,087	1/8	178,134	1/8	182,165	1/8	186,151
1/4	149,805	1/4	153,866	1/4	157,927	1/4	161,988	1/4	166,049	1/4	170,110	1/4	174,172	1/4	178,218	1/4	182,249	1/4	186,222
3/8	149,889	3/8	153,951	3/8	158,012	3/8	162,073	3/8	166,134	3/8	170,195	3/8	174,256	3/8	178,302	3/8	182,333	3/8	186,290
1/2	149,974	1/2	154,035	1/2	158,096	1/2	162,157	1/2	166,219	1/2	170,280	1/2	174,341	1/2	178,386	1/2	182,417	1/2	186,357
5/8	150,059	5/8	154,120	5/8	158,181	5/8	162,242	5/8	166,303	5/8	170,364	5/8	174,425	5/8	178,470	5/8	182,501	5/8	186,422
3/4	150,143	3/4	154,204	3/4	158,266	3/4	162,327	3/4	166,388	3/4	170,449	3/4	174,510	3/4	178,554	3/4	182,585	3/4	186,485
7/8	150,228	7/8	154,289	7/8	158,350	7/8	162,411	7/8	166,472	7/8	170,534	7/8	174,595	7/8	178,638	7/8	182,669	7/8	186,547
1	150,312	7	154,374	1	158,435	7	162,496	1	166,557	7	170,618	1	174,679	7	178,722	1	182,753	7	186,607
1/8	150,397	1/8	154,458	1/8	158,519	1/8	162,580	1/8	166,642	1/8	170,703	1/8	174,764	1/8	178,806	1/8	182,837	1/8	186,665
1/4	150,482	1/4	154,543	1/4	158,604	1/4	162,665	1/4	166,726	1/4	170,787	1/4	174,848	1/4	178,890	1/4	182,921	1/4	186,721
3/8	150,566	3/8	154,627	3/8	158,689	3/8	162,750	3/8	166,811	3/8	170,872	3/8	174,933	3/8	178,974	3/8	183,005	3/8	186,775
1/2	150,651	1/2	154,712	1/2	158,773	1/2	162,834	1/2	166,895	1/2	170,957	1/2	175,018	1/2	179,058	1/2	183,089	1/2	186,828
5/8	150,736	5/8	154,797	5/8	158,858	5/8	162,919	5/8	166,980	5/8	171,041	5/8	175,102	5/8	179,142	5/8	183,173	5/8	186,879
3/4	150,820	3/4	154,881	3/4	158,942	3/4	163,004	3/4	167,065	3/4	171,126	3/4	175,187	3/4	179,226	3/4	183,257	3/4	186,928
7/8	150,905	7/8	154,966	7/8	159,027	7/8	163,088	7/8	167,149	7/8	171,210	7/8	175,272	7/8	179,310	7/8	183,341	7/8	186,976
2	150,989	8	155,050	2	159,112	8	163,173	2	167,234	8	171,295	2	175,356	8	179,394	2	183,425	8	187,021
1/8	151,074	1/8	155,135	1/8	159,196	1/8	163,257	1/8	167,318	1/8	171,380	1/8	175,441	1/8	179,478	1/8	183,509	1/8	187,065
1/4	151,159	1/4	155,220	1/4	159,281	1/4	163,342	1/4	167,403	1/4	171,464	1/4	175,525	1/4	179,562	1/4	183,593	1/4	187,107
3/8	151,243	3/8	155,304	3/8	159,365	3/8	163,427	3/8	167,488	3/8	171,549	3/8	175,610	3/8	179,646	3/8	183,677	3/8	187,148
1/2	151,328	1/2	155,389	1/2	159,450	1/2	163,511	1/2	167,572	1/2	171,633	1/2	175,695	1/2	179,730	1/2	183,761	1/2	187,186
5/8	151,412	5/8	155,474	5/8	159,535	5/8	163,596	5/8	167,657	5/8	171,718	5/8	175,779	5/8	179,814	5/8	183,845	5/8	187,223
3/4	151,497	3/4	155,558	3/4	159,619	3/4	163,680	3/4	167,741	3/4	171,803	3/4	175,864	3/4	179,898	3/4	183,929	3/4	187,258
7/8	151,582	7/8	155,643	7/8	159,704	7/8	163,765	7/8	167,826	7/8	171,887	7/8	175,948	7/8	179,982	7/8	184,013	7/8	187,292
3	151,666	9	155,727	3	159,788	9	163,850	3	167,911	9	171,972	3	176,033	9	180,066	3	184,097	9	187,323
1/8	151,751	1/8	155,812	1/8	159,873	1/8	163,934	1/8	167,995	1/8	172,056	1/8	176,118	1/8	180,150	1/8	184,181	1/8	187,353
1/4	151,835	1/4	155,897	1/4	159,958	1/4	164,019	1/4	168,080	1/4	172,141	1/4	176,202	1/4	180,234	1/4	184,266	1/4	187,381
3/8	151,920	3/8	155,981	3/8	160,042	3/8	164,103	3/8	168,165	3/8	172,226	3/8	176,286	3/8	180,318	3/8	184,350	3/8	187,408
1/2	152,005	1/2	156,066	1/2	160,127	1/2	164,188	1/2	168,249	1/2	172,310	1/2	176,370	1/2	180,402	1/2	184,434	1/2	187,433
5/8	152,089	5/8	156,150	5/8	160,211	5/8	164,273	5/8	168,334	5/8	172,395	5/8	176,454	5/8	180,486	5/8	184,518	5/8	187,456
3/4	152,174	3/4	156,235	3/4	160,296	3/4	164,357	3/4	168,418	3/4	172,479	3/4	176,538	3/4	180,570	3/4	184,602	3/4	187,478
7/8	152,258	7/8	156,320	7/8	160,381	7/8	164,442	7/8	168,503	7/8	172,564	7/8	176,622	7/8	180,654	7/8	184,686	7/8	187,498
4	152,343	10	156,404	4	160,465	10	164,526	4	168,588	10	172,649	4	176,706	10	180,738	4	184,770	10	187,516
1/8	152,428	1/8	156,489	1/8	160,550	1/8	164,611	1/8	168,672	1/8	172,733	1/8	176,790	1/8	180,822	1/8	184,854	1/8	187,532
1/4	152,512	1/4	156,573	1/4	160,635	1/4	164,696	1/4	168,757	1/4	172,818	1/4	176,874	1/4	180,906	1/4	184,938	1/4	187,546
3/8	152,597	3/8	156,658	3/8	160,719	3/8	164,780	3/8	168,841	3/8	172,903	3/8	176,958	3/8	180,990	3/8	185,022	3/8	187,559
1/2	152,681	1/2	156,743	1/2	160,804	1/2	164,865	1/2	168,926	1/2	172,987	1/2	177,042	1/2	181,074	1/2	185,106	1/2	187,570
5/8	152,766	5/8	156,827	5/8	160,888	5/8	164,949	5/8	169,011	5/8	173,072	5/8	177,126	5/8	181,158	5/8	185,190	5/8	187,579
3/4	152,851	3/4	156,912	3/4	160,973	3/4	165,034	3/4	169,095	3/4	173,156	3/4	177,210	3/4	181,242	3/4	185,274	3/4	187,587
7/8	152,935	7/8	156,996	7/8	161,058	7/8	165,119	7/8	169,180	7/8	173,241	7/8	177,294	7/8	181,325	7/8	185,358	7/8	187,593
5	153,020	11	157,081	5	161,142	11	165,203	5	169,264	11	173,326	5	177,378	11	181,409	5	185,442	11	187,596
1/8	153,105	1/8	157,166	1/8	161,227	1/8	165,288	1/8	169,349	1/8	173,410	1/8	177,462	1/8	181,493	1/8	185,526	1/8	187,599
1/4	153,189	1/4	157,250	1/4	161,311	1/4	165,373	1/4	169,434	1/4	173,495	1/4	177,546	1/4	181,577	1/4	185,610	1/4	187,599
3/8	153,274	3/8	157,335	3/8	161,396	3/8	165,457	3/8	169,518	3/8	173,579	3/8	177,630	3/8	181,661	3/8	185,692	3/8	187,599
1/2	153,358	1/2	157,419	1/2	161,481	1/2	165,542	1/2	169,603	1/2	173,664	1/2	177,714	1/2	181,745	1/2	185,773	1/2	187,599
5/8	153,443	5/8	157,504	5/8	161,565	5/8	165,626	5/8	169,687	5/8	173,749	5/8	177,798	5/8	181,829	5/8	185,852	5/8	187,599
3/4	153,528	3/4	157,589	3/4	161,650	3/4	165,711	3/4	169,772	3/4	173,833	3/4	177,882	3/4	181,913	3/4	185,930	3/4	187,599
7/8	153,612	7/8	157,673	7/8	161,734	7/8	165,796	7/8	169,857	7/8	173,918	7/8	177,966	7/8	181,997	7/8	186,005	7/8	187,599

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

NOTE: CAPACITY TABLE APPLIES ONLY TO INNGAGE GAUGES TAKEN FROM TOP LIP OF 2" HERMETIC (UTI) VALVE

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration



ULLAGE GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

0 FT.		1 FT.		1 FT.		2 FT.		2 FT.		3 FT.		3 FT.		4 FT.		4 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	6	0	6	0	6	0	6	0	6	0	6	0	6	0	6	0	6
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
1	7	1	7	1	7	1	7	1	7	1	7	1	7	1	7	1	7
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
2	8	2	8	2	8	2	8	2	8	2	8	2	8	2	8	2	8
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
3	9	3	9	3	9	3	9	3	9	3	9	3	9	3	9	3	9
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
4	10	4	10	4	10	4	10	4	10	4	10	4	10	4	10	4	10
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
5	11	5	11	5	11	5	11	5	11	5	11	5	11	5	11	5	11
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	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 (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"

5 FT.		5 FT.		6 FT.		6 FT.		7 FT.		7 FT.		8 FT.		8 FT.		9 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	186,955	6	179,340	0	171,724	6	164,109	0	156,493	6	148,878	0	141,263	6	133,647	0	126,032	6	118,415
1/8	186,796	1/8	179,181	1/8	171,566	1/8	163,950	1/8	156,335	1/8	148,719	1/8	141,104	1/8	133,489	1/8	125,873	1/8	118,257
1/4	186,638	1/4	179,022	1/4	171,407	1/4	163,792	1/4	156,176	1/4	148,561	1/4	140,945	1/4	133,330	1/4	125,715	1/4	118,098
3/8	186,479	3/8	178,864	3/8	171,248	3/8	163,633	3/8	156,017	3/8	148,402	3/8	140,787	3/8	133,171	3/8	125,556	3/8	117,939
1/2	186,320	1/2	178,705	1/2	171,090	1/2	163,474	1/2	155,859	1/2	148,243	1/2	140,628	1/2	133,013	1/2	125,397	1/2	117,780
5/8	186,162	5/8	178,546	5/8	170,931	5/8	163,316	5/8	155,700	5/8	148,085	5/8	140,469	5/8	132,854	5/8	125,239	5/8	117,622
3/4	186,003	3/4	178,388	3/4	170,772	3/4	163,157	3/4	155,542	3/4	147,926	3/4	140,311	3/4	132,695	3/4	125,080	3/4	117,463
7/8	185,844	7/8	178,229	7/8	170,614	7/8	162,998	7/8	155,383	7/8	147,767	7/8	140,152	7/8	132,537	7/8	124,921	7/8	117,304
1	185,686	7	178,070	1	170,455	7	162,840	1	155,224	7	147,609	1	139,993	7	132,378	1	124,763	7	117,146
1/8	185,527	1/8	177,912	1/8	170,296	1/8	162,681	1/8	155,066	1/8	147,450	1/8	139,835	1/8	132,219	1/8	124,604	1/8	116,987
1/4	185,368	1/4	177,753	1/4	170,138	1/4	162,522	1/4	154,907	1/4	147,292	1/4	139,676	1/4	132,061	1/4	124,445	1/4	116,828
3/8	185,210	3/8	177,594	3/8	169,979	3/8	162,364	3/8	154,748	3/8	147,133	3/8	139,517	3/8	131,902	3/8	124,287	3/8	116,669
1/2	185,051	1/2	177,436	1/2	169,820	1/2	162,205	1/2	154,590	1/2	146,974	1/2	139,359	1/2	131,743	1/2	124,128	1/2	116,511
5/8	184,892	5/8	177,277	5/8	169,662	5/8	162,046	5/8	154,431	5/8	146,816	5/8	139,200	5/8	131,585	5/8	123,969	5/8	116,352
3/4	184,734	3/4	177,118	3/4	169,503	3/4	161,888	3/4	154,272	3/4	146,657	3/4	139,042	3/4	131,426	3/4	123,811	3/4	116,193
7/8	184,575	7/8	176,960	7/8	169,344	7/8	161,729	7/8	154,114	7/8	146,498	7/8	138,883	7/8	131,267	7/8	123,652	7/8	116,035
2	184,417	8	176,801	2	169,186	8	161,570	2	153,955	8	146,340	2	138,724	8	131,109	2	123,493	8	115,876
1/8	184,258	1/8	176,642	1/8	169,027	1/8	161,412	1/8	153,796	1/8	146,181	1/8	138,566	1/8	130,950	1/8	123,335	1/8	115,717
1/4	184,099	1/4	176,484	1/4	168,868	1/4	161,253	1/4	153,638	1/4	146,022	1/4	138,407	1/4	130,792	1/4	123,176	1/4	115,558
3/8	183,941	3/8	176,325	3/8	168,710	3/8	161,094	3/8	153,479	3/8	145,864	3/8	138,248	3/8	130,633	3/8	123,017	3/8	115,400
1/2	183,782	1/2	176,167	1/2	168,551	1/2	160,936	1/2	153,320	1/2	145,705	1/2	138,090	1/2	130,474	1/2	122,859	1/2	115,241
5/8	183,623	5/8	176,008	5/8	168,392	5/8	160,777	5/8	153,162	5/8	145,546	5/8	137,931	5/8	130,316	5/8	122,700	5/8	115,082
3/4	183,465	3/4	175,849	3/4	168,234	3/4	160,618	3/4	153,003	3/4	145,388	3/4	137,772	3/4	130,157	3/4	122,542	3/4	114,924
7/8	183,306	7/8	175,691	7/8	168,075	7/8	160,460	7/8	152,844	7/8	145,229	7/8	137,614	7/8	129,998	7/8	122,383	7/8	114,765
3	183,147	9	175,532	3	167,917	9	160,301	3	152,686	9	145,070	3	137,455	9	129,840	3	122,224	9	114,606
1/8	182,989	1/8	175,373	1/8	167,758	1/8	160,142	1/8	152,527	1/8	144,912	1/8	137,296	1/8	129,681	1/8	122,066	1/8	114,448
1/4	182,830	1/4	175,215	1/4	167,599	1/4	159,984	1/4	152,368	1/4	144,753	1/4	137,138	1/4	129,522	1/4	121,907	1/4	114,289
3/8	182,671	3/8	175,056	3/8	167,441	3/8	159,825	3/8	152,210	3/8	144,594	3/8	136,979	3/8	129,364	3/8	121,748	3/8	114,130
1/2	182,513	1/2	174,897	1/2	167,282	1/2	159,667	1/2	152,051	1/2	144,436	1/2	136,820	1/2	129,205	1/2	121,589	1/2	113,971
5/8	182,354	5/8	174,739	5/8	167,123	5/8	159,508	5/8	151,892	5/8	144,277	5/8	136,662	5/8	129,046	5/8	121,431	5/8	113,813
3/4	182,195	3/4	174,580	3/4	166,965	3/4	159,349	3/4	151,734	3/4	144,118	3/4	136,503	3/4	128,888	3/4	121,272	3/4	113,654
7/8	182,037	7/8	174,421	7/8	166,806	7/8	159,191	7/8	151,575	7/8	143,960	7/8	136,344	7/8	128,729	7/8	121,113	7/8	113,495
4	181,878	10	174,263	4	166,647	10	159,032	4	151,417	10	143,801	4	136,186	10	128,570	4	120,955	10	113,337
1/8	181,719	1/8	174,104	1/8	166,489	1/8	158,873	1/8	151,258	1/8	143,642	1/8	136,027	1/8	128,412	1/8	120,796	1/8	113,178
1/4	181,561	1/4	173,945	1/4	166,330	1/4	158,715	1/4	151,099	1/4	143,484	1/4	135,868	1/4	128,253	1/4	120,637	1/4	113,019
3/8	181,402	3/8	173,787	3/8	166,171	3/8	158,556	3/8	150,941	3/8	143,325	3/8	135,710	3/8	128,094	3/8	120,478	3/8	112,860
1/2	181,243	1/2	173,628	1/2	166,013	1/2	158,397	1/2	150,782	1/2	143,167	1/2	135,551	1/2	127,936	1/2	120,320	1/2	112,702
5/8	181,085	5/8	173,469	5/8	165,854	5/8	158,239	5/8	150,623	5/8	143,008	5/8	135,392	5/8	127,777	5/8	120,161	5/8	112,543
3/4	180,926	3/4	173,311	3/4	165,695	3/4	158,080	3/4	150,465	3/4	142,849	3/4	135,234	3/4	127,618	3/4	120,002	3/4	112,384
7/8	180,767	7/8	173,152	7/8	165,537	7/8	157,921	7/8	150,306	7/8	142,691	7/8	135,075	7/8	127,460	7/8	119,844	7/8	112,226
5	180,609	11	172,993	5	165,378	11	157,763	5	150,147	11	142,532	5	134,917	11	127,301	5	119,685	11	112,067
1/8	180,450	1/8	172,835	1/8	165,219	1/8	157,604	1/8	149,989	1/8	142,373	1/8	134,758	1/8	127,142	1/8	119,526	1/8	111,908
1/4	180,292	1/4	172,676	1/4	165,061	1/4	157,445	1/4	149,830	1/4	142,215	1/4	134,599	1/4	126,984	1/4	119,368	1/4	111,749
3/8	180,133	3/8	172,517	3/8	164,902	3/8	157,287	3/8	149,671	3/8	142,056	3/8	134,441	3/8	126,825	3/8	119,209	3/8	111,591
1/2	179,974	1/2	172,359	1/2	164,743	1/2	157,128	1/2	149,513	1/2	141,897	1/2	134,282	1/2	126,667	1/2	119,050	1/2	111,432
5/8	179,816	5/8	172,200	5/8	164,585	5/8	156,969	5/8	149,354	5/8	141,739	5/8	134,123	5/8	126,508	5/8	118,891	5/8	111,273
3/4	179,657	3/4	172,042	3/4	164,426	3/4	156,811	3/4	149,195	3/4	141,580	3/4	133,965	3/4	126,349	3/4	118,733	3/4	111,115
7/8	179,498	7/8	171,883	7/8	164,267	7/8	156,652	7/8	149,037	7/8	141,421	7/8	133,806	7/8	126,191	7/8	118,574	7/8	110,956

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

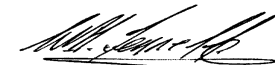
OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

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	110,797	6	103,179	0	95,561	6	87,943	0	80,325	6	72,707	0	65,089	6	57,471	0	49,853	6	42,237
1/8	110,639	1/8	103,020	1/8	95,402	1/8	87,784	1/8	80,166	1/8	72,548	1/8	64,930	1/8	57,312	1/8	49,694	1/8	42,078
1/4	110,480	1/4	102,862	1/4	95,244	1/4	87,626	1/4	80,008	1/4	72,390	1/4	64,772	1/4	57,154	1/4	49,536	1/4	41,920
3/8	110,321	3/8	102,703	3/8	95,085	3/8	87,467	3/8	79,849	3/8	72,231	3/8	64,613	3/8	56,995	3/8	49,377	3/8	41,761
1/2	110,162	1/2	102,544	1/2	94,926	1/2	87,308	1/2	79,690	1/2	72,072	1/2	64,454	1/2	56,836	1/2	49,218	1/2	41,603
5/8	110,004	5/8	102,386	5/8	94,768	5/8	87,150	5/8	79,532	5/8	71,914	5/8	64,295	5/8	56,677	5/8	49,059	5/8	41,444
3/4	109,845	3/4	102,227	3/4	94,609	3/4	86,991	3/4	79,373	3/4	71,755	3/4	64,137	3/4	56,519	3/4	48,901	3/4	41,285
7/8	109,686	7/8	102,068	7/8	94,450	7/8	86,832	7/8	79,214	7/8	71,596	7/8	63,978	7/8	56,360	7/8	48,742	7/8	41,127
1	109,528	7	101,910	1	94,291	7	86,673	1	79,055	7	71,437	1	63,819	7	56,201	1	48,583	7	40,968
1/8	109,369	1/8	101,751	1/8	94,133	1/8	86,515	1/8	78,897	1/8	71,279	1/8	63,661	1/8	56,043	1/8	48,425	1/8	40,809
1/4	109,210	1/4	101,592	1/4	93,974	1/4	86,356	1/4	78,738	1/4	71,120	1/4	63,502	1/4	55,884	1/4	48,266	1/4	40,651
3/8	109,051	3/8	101,433	3/8	93,815	3/8	86,197	3/8	78,579	3/8	70,961	3/8	63,343	3/8	55,725	3/8	48,107	3/8	40,492
1/2	108,893	1/2	101,275	1/2	93,657	1/2	86,039	1/2	78,421	1/2	70,803	1/2	63,185	1/2	55,566	1/2	47,949	1/2	40,333
5/8	108,734	5/8	101,116	5/8	93,498	5/8	85,880	5/8	78,262	5/8	70,644	5/8	63,026	5/8	55,408	5/8	47,790	5/8	40,175
3/4	108,575	3/4	100,957	3/4	93,339	3/4	85,721	3/4	78,103	3/4	70,485	3/4	62,867	3/4	55,249	3/4	47,631	3/4	40,016
7/8	108,417	7/8	100,799	7/8	93,181	7/8	85,562	7/8	77,944	7/8	70,326	7/8	62,708	7/8	55,090	7/8	47,473	7/8	39,857
2	108,258	8	100,640	2	93,022	8	85,404	2	77,786	8	70,168	2	62,550	8	54,932	2	47,314	8	39,699
1/8	108,099	1/8	100,481	1/8	92,863	1/8	85,245	1/8	77,627	1/8	70,009	1/8	62,391	1/8	54,773	1/8	47,155	1/8	39,540
1/4	107,940	1/4	100,322	1/4	92,704	1/4	85,086	1/4	77,468	1/4	69,850	1/4	62,232	1/4	54,614	1/4	46,997	1/4	39,381
3/8	107,782	3/8	100,164	3/8	92,546	3/8	84,928	3/8	77,310	3/8	69,692	3/8	62,074	3/8	54,456	3/8	46,838	3/8	39,223
1/2	107,623	1/2	100,005	1/2	92,387	1/2	84,769	1/2	77,151	1/2	69,533	1/2	61,915	1/2	54,297	1/2	46,679	1/2	39,064
5/8	107,464	5/8	99,846	5/8	92,228	5/8	84,610	5/8	76,992	5/8	69,374	5/8	61,756	5/8	54,138	5/8	46,521	5/8	38,905
3/4	107,306	3/4	99,688	3/4	92,070	3/4	84,452	3/4	76,833	3/4	69,215	3/4	61,597	3/4	53,979	3/4	46,362	3/4	38,747
7/8	107,147	7/8	99,529	7/8	91,911	7/8	84,293	7/8	76,675	7/8	69,057	7/8	61,439	7/8	53,821	7/8	46,203	7/8	38,588
3	106,988	9	99,370	3	91,752	9	84,134	3	76,516	9	68,898	3	61,280	9	53,662	3	46,045	9	38,429
1/8	106,829	1/8	99,211	1/8	91,593	1/8	83,975	1/8	76,357	1/8	68,739	1/8	61,121	1/8	53,503	1/8	45,886	1/8	38,271
1/4	106,671	1/4	99,053	1/4	91,435	1/4	83,817	1/4	76,199	1/4	68,581	1/4	60,963	1/4	53,345	1/4	45,727	1/4	38,112
3/8	106,512	3/8	98,894	3/8	91,276	3/8	83,658	3/8	76,040	3/8	68,422	3/8	60,804	3/8	53,186	3/8	45,569	3/8	37,954
1/2	106,353	1/2	98,735	1/2	91,117	1/2	83,499	1/2	75,881	1/2	68,263	1/2	60,645	1/2	53,027	1/2	45,410	1/2	37,795
5/8	106,195	5/8	98,577	5/8	90,959	5/8	83,341	5/8	75,723	5/8	68,104	5/8	60,486	5/8	52,868	5/8	45,252	5/8	37,636
3/4	106,036	3/4	98,418	3/4	90,800	3/4	83,182	3/4	75,564	3/4	67,946	3/4	60,328	3/4	52,710	3/4	45,093	3/4	37,478
7/8	105,877	7/8	98,259	7/8	90,641	7/8	83,023	7/8	75,405	7/8	67,787	7/8	60,169	7/8	52,551	7/8	44,934	7/8	37,319
4	105,719	10	98,101	4	90,482	10	82,864	4	75,246	10	67,628	4	60,010	10	52,392	4	44,776	10	37,160
1/8	105,560	1/8	97,942	1/8	90,324	1/8	82,706	1/8	75,088	1/8	67,470	1/8	59,852	1/8	52,234	1/8	44,617	1/8	37,002
1/4	105,401	1/4	97,783	1/4	90,165	1/4	82,547	1/4	74,929	1/4	67,311	1/4	59,693	1/4	52,075	1/4	44,458	1/4	36,843
3/8	105,242	3/8	97,624	3/8	90,006	3/8	82,388	3/8	74,770	3/8	67,152	3/8	59,534	3/8	51,916	3/8	44,300	3/8	36,684
1/2	105,084	1/2	97,466	1/2	89,848	1/2	82,230	1/2	74,612	1/2	66,994	1/2	59,375	1/2	51,757	1/2	44,141	1/2	36,526
5/8	104,925	5/8	97,307	5/8	89,689	5/8	82,071	5/8	74,453	5/8	66,835	5/8	59,217	5/8	51,599	5/8	43,982	5/8	36,367
3/4	104,766	3/4	97,148	3/4	89,530	3/4	81,912	3/4	74,294	3/4	66,676	3/4	59,058	3/4	51,440	3/4	43,824	3/4	36,208
7/8	104,608	7/8	96,990	7/8	89,372	7/8	81,753	7/8	74,135	7/8	66,517	7/8	58,899	7/8	51,281	7/8	43,665	7/8	36,050
5	104,449	11	96,831	5	89,213	11	81,595	5	73,977	11	66,359	5	58,741	11	51,123	5	43,506	11	35,891
1/8	104,290	1/8	96,672	1/8	89,054	1/8	81,436	1/8	73,818	1/8	66,200	1/8	58,582	1/8	50,964	1/8	43,348	1/8	35,732
1/4	104,131	1/4	96,513	1/4	88,895	1/4	81,277	1/4	73,659	1/4	66,041	1/4	58,423	1/4	50,805	1/4	43,189	1/4	35,574
3/8	103,973	3/8	96,355	3/8	88,737	3/8	81,119	3/8	73,501	3/8	65,883	3/8	58,265	3/8	50,646	3/8	43,030	3/8	35,415
1/2	103,814	1/2	96,196	1/2	88,578	1/2	80,960	1/2	73,342	1/2	65,724	1/2	58,106	1/2	50,488	1/2	42,872	1/2	35,256
5/8	103,655	5/8	96,037	5/8	88,419	5/8	80,801	5/8	73,183	5/8	65,565	5/8	57,947	5/8	50,329	5/8	42,713	5/8	35,098
3/4	103,497	3/4	95,879	3/4	88,261	3/4	80,643	3/4	73,024	3/4	65,406	3/4	57,788	3/4	50,170	3/4	42,554	3/4	34,939
7/8	103,338	7/8	95,720	7/8	88,102	7/8	80,484	7/8	72,866	7/8	65,248	7/8	57,630	7/8	50,012	7/8	42,396	7/8	34,780

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	34,621	6	27,004	0	19,387	6	11,770	0	4,063	6		0		6		0		6	
1/8	34,463	1/8	26,845	1/8	19,228	1/8	11,611	1/8	3,901	1/8		1/8		1/8		1/8		1/8	
1/4	34,304	1/4	26,687	1/4	19,070	1/4	11,452	1/4	3,743	1/4		1/4		1/4		1/4		1/4	
3/8	34,145	3/8	26,528	3/8	18,911	3/8	11,294	3/8	3,587	3/8		3/8		3/8		3/8		3/8	
1/2	33,987	1/2	26,369	1/2	18,752	1/2	11,135	1/2	3,435	1/2		1/2		1/2		1/2		1/2	
5/8	33,828	5/8	26,211	5/8	18,593	5/8	10,976	5/8	3,286	5/8		5/8		5/8		5/8		5/8	
3/4	33,669	3/4	26,052	3/4	18,435	3/4	10,818	3/4	3,141	3/4		3/4		3/4		3/4		3/4	
7/8	33,511	7/8	25,893	7/8	18,276	7/8	10,659	7/8	2,999	7/8		7/8		7/8		7/8		7/8	
1	33,352	7	25,735	1	18,117	7	10,500	1	2,860	7		1		7		1		7	
1/8	33,193	1/8	25,576	1/8	17,959	1/8	10,342	1/8	2,724	1/8		1/8		1/8		1/8		1/8	
1/4	33,034	1/4	25,417	1/4	17,800	1/4	10,183	1/4	2,592	1/4		1/4		1/4		1/4		1/4	
3/8	32,876	3/8	25,258	3/8	17,641	3/8	10,024	3/8	2,463	3/8		3/8		3/8		3/8		3/8	
1/2	32,717	1/2	25,100	1/2	17,483	1/2	9,865	1/2	2,338	1/2		1/2		1/2		1/2		1/2	
5/8	32,558	5/8	24,941	5/8	17,324	5/8	9,707	5/8	2,215	5/8		5/8		5/8		5/8		5/8	
3/4	32,400	3/4	24,782	3/4	17,165	3/4	9,548	3/4	2,096	3/4		3/4		3/4		3/4		3/4	
7/8	32,241	7/8	24,624	7/8	17,007	7/8	9,389	7/8	1,981	7/8		7/8		7/8		7/8		7/8	
2	32,082	8	24,465	2	16,848	8	9,231	2	1,868	8		2		8		2		8	
1/8	31,924	1/8	24,306	1/8	16,689	1/8	9,072	1/8	1,759	1/8		1/8		1/8		1/8		1/8	
1/4	31,765	1/4	24,148	1/4	16,530	1/4	8,913	1/4	1,653	1/4		1/4		1/4		1/4		1/4	
3/8	31,606	3/8	23,989	3/8	16,372	3/8	8,755	3/8	1,551	3/8		3/8		3/8		3/8		3/8	
1/2	31,447	1/2	23,830	1/2	16,213	1/2	8,596	1/2	1,452	1/2		1/2		1/2		1/2		1/2	
5/8	31,289	5/8	23,672	5/8	16,054	5/8	8,437	5/8	1,356	5/8		5/8		5/8		5/8		5/8	
3/4	31,130	3/4	23,513	3/4	15,896	3/4	8,279	3/4	1,263	3/4		3/4		3/4		3/4		3/4	
7/8	30,971	7/8	23,354	7/8	15,737	7/8	8,120	7/8	1,174	7/8		7/8		7/8		7/8		7/8	
3	30,813	9	23,196	3	15,578	9	7,961	3	1,088	9		3		9		3		9	
1/8	30,654	1/8	23,037	1/8	15,420	1/8	7,802	1/8	1,006	1/8		1/8		1/8		1/8		1/8	
1/4	30,495	1/4	22,878	1/4	15,261	1/4	7,644	1/4	926	1/4		1/4		1/4		1/4		1/4	
3/8	30,337	3/8	22,719	3/8	15,102	3/8	7,485	3/8	850	3/8		3/8		3/8		3/8		3/8	
1/2	30,178	1/2	22,561	1/2	14,944	1/2	7,326	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	30,019	5/8	22,402	5/8	14,785	5/8	7,168	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	29,861	3/4	22,243	3/4	14,626	3/4	7,009	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	29,702	7/8	22,085	7/8	14,467	7/8	6,850	7/8		7/8		7/8		7/8		7/8		7/8	
4	29,543	10	21,926	4	14,309	10	6,692	4		10		4		10		4		10	
1/8	29,384	1/8	21,767	1/8	14,150	1/8	6,533	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	29,226	1/4	21,609	1/4	13,991	1/4	6,374	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	29,067	3/8	21,450	3/8	13,833	3/8	6,216	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	28,908	1/2	21,291	1/2	13,674	1/2	6,057	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	28,750	5/8	21,133	5/8	13,515	5/8	5,898	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	28,591	3/4	20,974	3/4	13,357	3/4	5,739	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	28,432	7/8	20,815	7/8	13,198	7/8	5,581	7/8		7/8		7/8		7/8		7/8		7/8	
5	28,274	11	20,656	5	13,039	11	5,422	5		11		5		11		5		11	
1/8	28,115	1/8	20,498	1/8	12,881	1/8	5,263	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	27,956	1/4	20,339	1/4	12,722	1/4	5,105	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	27,798	3/8	20,180	3/8	12,563	3/8	4,923	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	27,639	1/2	20,022	1/2	12,404	1/2	4,744	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	27,480	5/8	19,863	5/8	12,246	5/8	4,569	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	27,321	3/4	19,704	3/4	12,087	3/4	4,397	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	27,163	7/8	19,546	7/8	11,928	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

ULLAGE GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

0 FT.		1 FT.		1 FT.		2 FT.		2 FT.		3 FT.		3 FT.		4 FT.		4 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	6	0	6	0	6	0	6	0	6	0	6	0	6	0	6	0	6
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
1	7	1	7	1	7	1	7	1	7	1	7	1	7	1	7	1	7
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
2	8	2	8	2	8	2	8	2	8	2	8	2	8	2	8	2	8
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
3	9	3	9	3	9	3	9	3	9	3	9	3	9	3	9	3	9
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
4	10	4	10	4	10	4	10	4	10	4	10	4	10	4	10	4	10
1/8	1/8	1/8	1/8	1/8	1/8	1/8	223,894	1/8	220,140	1/8	212,538	1/8	204,938	1/8	197,318	1/8	189,688
1/4	1/4	1/4	1/4	1/4	1/4	1/4	223,893	1/4	219,981	1/4	212,380	1/4	204,780	1/4	197,159	1/4	189,529
3/8	3/8	3/8	3/8	3/8	3/8	3/8	223,889	3/8	219,823	3/8	212,222	3/8	204,621	3/8	197,000	3/8	189,370
1/2	1/2	1/2	1/2	1/2	1/2	1/2	223,882	1/2	219,664	1/2	212,063	1/2	204,463	1/2	196,841	1/2	189,211
5/8	5/8	5/8	5/8	5/8	5/8	5/8	223,871	5/8	219,506	5/8	211,905	5/8	204,305	5/8	196,682	5/8	189,052
3/4	3/4	3/4	3/4	3/4	3/4	3/4	223,857	3/4	219,348	3/4	211,747	3/4	204,146	3/4	196,523	3/4	188,893
7/8	7/8	7/8	7/8	7/8	7/8	7/8	223,840	7/8	219,189	7/8	211,588	7/8	203,988	7/8	196,364	7/8	188,734
5	11	5	11	5	11	5	223,819	5	219,031	5	211,430	5	203,830	5	196,205	5	188,576
1/8	1/8	1/8	1/8	1/8	1/8	1/8	223,795	1/8	218,873	1/8	211,272	1/8	203,671	1/8	196,046	1/8	188,417
1/4	1/4	1/4	1/4	1/4	1/4	1/4	223,768	1/4	218,714	1/4	211,113	1/4	203,513	1/4	195,888	1/4	188,258
3/8	3/8	3/8	3/8	3/8	3/8	3/8	223,737	3/8	218,556	3/8	210,955	3/8	203,355	3/8	195,729	3/8	188,099
1/2	1/2	1/2	1/2	1/2	1/2	1/2	223,703	1/2	218,397	1/2	210,797	1/2	203,196	1/2	195,570	1/2	187,940
5/8	5/8	5/8	5/8	5/8	5/8	5/8	223,666	5/8	218,239	5/8	210,638	5/8	203,038	5/8	195,411	5/8	187,781
3/4	3/4	3/4	3/4	3/4	3/4	3/4	223,625	3/4	218,081	3/4	210,480	3/4	202,880	3/4	195,252	3/4	187,622
7/8	7/8	7/8	7/8	7/8	7/8	7/8	223,582	7/8	217,922	7/8	210,322	7/8	202,721	7/8	195,093	7/8	187,463

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration





MOC 17

TANK NO. 1 STBD

Conrad Shipbuilding: Hull # C-967
ULLAGE GAUGING

HERMETIC ULLAGE TABLE

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

5 FT.		5 FT.		6 FT.		6 FT.		7 FT.		7 FT.		8 FT.		8 FT.		9 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	187,304	6	179,674	0	172,044	6	164,414	0	156,784	6	149,154	0	141,524	6	133,894	0	126,265	6	118,633
1/8	187,145	1/8	179,515	1/8	171,885	1/8	164,255	1/8	156,625	1/8	148,995	1/8	141,365	1/8	133,736	1/8	126,106	1/8	118,474
1/4	186,986	1/4	179,356	1/4	171,726	1/4	164,096	1/4	156,466	1/4	148,836	1/4	141,206	1/4	133,577	1/4	125,947	1/4	118,315
3/8	186,827	3/8	179,197	3/8	171,567	3/8	163,937	3/8	156,307	3/8	148,677	3/8	141,048	3/8	133,418	3/8	125,788	3/8	118,156
1/2	186,668	1/2	179,038	1/2	171,408	1/2	163,778	1/2	156,148	1/2	148,518	1/2	140,889	1/2	133,259	1/2	125,629	1/2	117,997
5/8	186,509	5/8	178,879	5/8	171,249	5/8	163,619	5/8	155,989	5/8	148,360	5/8	140,730	5/8	133,100	5/8	125,470	5/8	117,838
3/4	186,350	3/4	178,720	3/4	171,090	3/4	163,460	3/4	155,830	3/4	148,201	3/4	140,571	3/4	132,941	3/4	125,311	3/4	117,679
7/8	186,191	7/8	178,561	7/8	170,931	7/8	163,301	7/8	155,672	7/8	148,042	7/8	140,412	7/8	132,782	7/8	125,152	7/8	117,520
1	186,032	7	178,402	1	170,772	7	163,142	1	155,513	7	147,883	1	140,253	7	132,623	1	124,993	7	117,361
1/8	185,873	1/8	178,243	1/8	170,613	1/8	162,984	1/8	155,354	1/8	147,724	1/8	140,094	1/8	132,464	1/8	124,834	1/8	117,202
1/4	185,714	1/4	178,084	1/4	170,454	1/4	162,825	1/4	155,195	1/4	147,565	1/4	139,935	1/4	132,305	1/4	124,675	1/4	117,043
3/8	185,555	3/8	177,925	3/8	170,296	3/8	162,666	3/8	155,036	3/8	147,406	3/8	139,776	3/8	132,146	3/8	124,516	3/8	116,884
1/2	185,396	1/2	177,766	1/2	170,137	1/2	162,507	1/2	154,877	1/2	147,247	1/2	139,617	1/2	131,987	1/2	124,357	1/2	116,725
5/8	185,237	5/8	177,608	5/8	169,978	5/8	162,348	5/8	154,718	5/8	147,088	5/8	139,458	5/8	131,828	5/8	124,198	5/8	116,566
3/4	185,078	3/4	177,449	3/4	169,819	3/4	162,189	3/4	154,559	3/4	146,929	3/4	139,299	3/4	131,669	3/4	124,039	3/4	116,407
7/8	184,920	7/8	177,290	7/8	169,660	7/8	162,030	7/8	154,400	7/8	146,770	7/8	139,140	7/8	131,510	7/8	123,880	7/8	116,248
2	184,761	8	177,131	2	169,501	8	161,871	2	154,241	8	146,611	2	138,981	8	131,351	2	123,721	8	116,089
1/8	184,602	1/8	176,972	1/8	169,342	1/8	161,712	1/8	154,082	1/8	146,452	1/8	138,822	1/8	131,192	1/8	123,562	1/8	115,930
1/4	184,443	1/4	176,813	1/4	169,183	1/4	161,553	1/4	153,923	1/4	146,293	1/4	138,663	1/4	131,033	1/4	123,403	1/4	115,771
3/8	184,284	3/8	176,654	3/8	169,024	3/8	161,394	3/8	153,764	3/8	146,134	3/8	138,504	3/8	130,874	3/8	123,244	3/8	115,612
1/2	184,125	1/2	176,495	1/2	168,865	1/2	161,235	1/2	153,605	1/2	145,975	1/2	138,345	1/2	130,715	1/2	123,085	1/2	115,453
5/8	183,966	5/8	176,336	5/8	168,706	5/8	161,076	5/8	153,446	5/8	145,816	5/8	138,186	5/8	130,556	5/8	122,926	5/8	115,294
3/4	183,807	3/4	176,177	3/4	168,547	3/4	160,917	3/4	153,287	3/4	145,657	3/4	138,027	3/4	130,397	3/4	122,768	3/4	115,135
7/8	183,648	7/8	176,018	7/8	168,388	7/8	160,758	7/8	153,128	7/8	145,498	7/8	137,868	7/8	130,238	7/8	122,609	7/8	114,976
3	183,489	9	175,859	3	168,229	9	160,599	3	152,969	9	145,339	3	137,709	9	130,080	3	122,450	9	114,817
1/8	183,330	1/8	175,700	1/8	168,070	1/8	160,440	1/8	152,810	1/8	145,180	1/8	137,550	1/8	129,921	1/8	122,291	1/8	114,658
1/4	183,171	1/4	175,541	1/4	167,911	1/4	160,281	1/4	152,651	1/4	145,021	1/4	137,392	1/4	129,762	1/4	122,132	1/4	114,499
3/8	183,012	3/8	175,382	3/8	167,752	3/8	160,122	3/8	152,492	3/8	144,862	3/8	137,233	3/8	129,603	3/8	121,973	3/8	114,340
1/2	182,853	1/2	175,223	1/2	167,593	1/2	159,963	1/2	152,333	1/2	144,704	1/2	137,074	1/2	129,444	1/2	121,814	1/2	114,181
5/8	182,694	5/8	175,064	5/8	167,434	5/8	159,804	5/8	152,174	5/8	144,545	5/8	136,915	5/8	129,285	5/8	121,655	5/8	114,022
3/4	182,535	3/4	174,905	3/4	167,275	3/4	159,645	3/4	152,016	3/4	144,386	3/4	136,756	3/4	129,126	3/4	121,496	3/4	113,863
7/8	182,376	7/8	174,746	7/8	167,116	7/8	159,486	7/8	151,857	7/8	144,227	7/8	136,597	7/8	128,967	7/8	121,337	7/8	113,704
4	182,217	10	174,587	4	166,957	10	159,328	4	151,698	10	144,068	4	136,438	10	128,808	4	121,178	10	113,545
1/8	182,058	1/8	174,428	1/8	166,798	1/8	159,169	1/8	151,539	1/8	143,909	1/8	136,279	1/8	128,649	1/8	121,019	1/8	113,386
1/4	181,899	1/4	174,269	1/4	166,640	1/4	159,010	1/4	151,380	1/4	143,750	1/4	136,120	1/4	128,490	1/4	120,860	1/4	113,227
3/8	181,740	3/8	174,110	3/8	166,481	3/8	158,851	3/8	151,221	3/8	143,591	3/8	135,961	3/8	128,331	3/8	120,701	3/8	113,068
1/2	181,581	1/2	173,952	1/2	166,322	1/2	158,692	1/2	151,062	1/2	143,432	1/2	135,802	1/2	128,172	1/2	120,542	1/2	112,909
5/8	181,422	5/8	173,793	5/8	166,163	5/8	158,533	5/8	150,903	5/8	143,273	5/8	135,643	5/8	128,013	5/8	120,383	5/8	112,750
3/4	181,264	3/4	173,634	3/4	166,004	3/4	158,374	3/4	150,744	3/4	143,114	3/4	135,484	3/4	127,854	3/4	120,224	3/4	112,591
7/8	181,105	7/8	173,475	7/8	165,845	7/8	158,215	7/8	150,585	7/8	142,955	7/8	135,325	7/8	127,695	7/8	120,065	7/8	112,432
5	180,946	11	173,316	5	165,686	11	158,056	5	150,426	11	142,796	5	135,166	11	127,536	5	119,905	11	112,273
1/8	180,787	1/8	173,157	1/8	165,527	1/8	157,897	1/8	150,267	1/8	142,637	1/8	135,007	1/8	127,377	1/8	119,746	1/8	112,114
1/4	180,628	1/4	172,998	1/4	165,368	1/4	157,738	1/4	150,108	1/4	142,478	1/4	134,848	1/4	127,218	1/4	119,587	1/4	111,955
3/8	180,469	3/8	172,839	3/8	165,209	3/8	157,579	3/8	149,949	3/8	142,319	3/8	134,689	3/8	127,059	3/8	119,428	3/8	111,796
1/2	180,310	1/2	172,680	1/2	165,050	1/2	157,420	1/2	149,790	1/2	142,160	1/2	134,530	1/2	126,900	1/2	119,269	1/2	111,637
5/8	180,151	5/8	172,521	5/8	164,891	5/8	157,261	5/8	149,631	5/8	142,001	5/8	134,371	5/8	126,741	5/8	119,110	5/8	111,478
3/4	179,992	3/4	172,362	3/4	164,732	3/4	157,102	3/4	149,472	3/4	141,842	3/4	134,212	3/4	126,582	3/4	118,951	3/4	111,319
7/8	179,833	7/8	172,203	7/8	164,573	7/8	156,943	7/8	149,313	7/8	141,683	7/8	134,053	7/8	126,424	7/8	118,792	7/8	111,160

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

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	111,001	6	103,368	0	95,736	6	88,103	0	80,471	6	72,838	0	65,205	6	57,573	0	49,940	6	42,313
1/8	110,842	1/8	103,209	1/8	95,577	1/8	87,944	1/8	80,312	1/8	72,679	1/8	65,046	1/8	57,414	1/8	49,781	1/8	42,154
1/4	110,683	1/4	103,050	1/4	95,418	1/4	87,785	1/4	80,153	1/4	72,520	1/4	64,887	1/4	57,255	1/4	49,622	1/4	41,995
3/8	110,524	3/8	102,891	3/8	95,259	3/8	87,626	3/8	79,994	3/8	72,361	3/8	64,728	3/8	57,096	3/8	49,463	3/8	41,836
1/2	110,365	1/2	102,732	1/2	95,100	1/2	87,467	1/2	79,835	1/2	72,202	1/2	64,569	1/2	56,937	1/2	49,304	1/2	41,677
5/8	110,206	5/8	102,573	5/8	94,941	5/8	87,308	5/8	79,676	5/8	72,043	5/8	64,410	5/8	56,778	5/8	49,145	5/8	41,519
3/4	110,047	3/4	102,414	3/4	94,782	3/4	87,149	3/4	79,517	3/4	71,884	3/4	64,251	3/4	56,619	3/4	48,986	3/4	41,360
7/8	109,888	7/8	102,255	7/8	94,623	7/8	86,990	7/8	79,358	7/8	71,725	7/8	64,092	7/8	56,460	7/8	48,827	7/8	41,201
1	109,729	7	102,096	1	94,464	7	86,831	1	79,199	7	71,566	1	63,933	7	56,301	1	48,668	7	41,042
1/8	109,570	1/8	101,937	1/8	94,305	1/8	86,672	1/8	79,039	1/8	71,407	1/8	63,774	1/8	56,142	1/8	48,509	1/8	40,883
1/4	109,411	1/4	101,778	1/4	94,146	1/4	86,513	1/4	78,880	1/4	71,248	1/4	63,615	1/4	55,983	1/4	48,350	1/4	40,724
3/8	109,252	3/8	101,619	3/8	93,987	3/8	86,354	3/8	78,721	3/8	71,089	3/8	63,456	3/8	55,824	3/8	48,192	3/8	40,565
1/2	109,093	1/2	101,460	1/2	93,828	1/2	86,195	1/2	78,562	1/2	70,930	1/2	63,297	1/2	55,665	1/2	48,033	1/2	40,406
5/8	108,934	5/8	101,301	5/8	93,669	5/8	86,036	5/8	78,403	5/8	70,771	5/8	63,138	5/8	55,506	5/8	47,874	5/8	40,248
3/4	108,775	3/4	101,142	3/4	93,510	3/4	85,877	3/4	78,244	3/4	70,612	3/4	62,979	3/4	55,347	3/4	47,715	3/4	40,089
7/8	108,616	7/8	100,983	7/8	93,351	7/8	85,718	7/8	78,085	7/8	70,453	7/8	62,820	7/8	55,188	7/8	47,556	7/8	39,930
2	108,457	8	100,824	2	93,192	8	85,559	2	77,926	8	70,294	2	62,661	8	55,029	2	47,397	8	39,771
1/8	108,298	1/8	100,665	1/8	93,033	1/8	85,400	1/8	77,767	1/8	70,135	1/8	62,502	1/8	54,870	1/8	47,238	1/8	39,612
1/4	108,139	1/4	100,506	1/4	92,874	1/4	85,241	1/4	77,608	1/4	69,976	1/4	62,343	1/4	54,711	1/4	47,079	1/4	39,453
3/8	107,980	3/8	100,347	3/8	92,714	3/8	85,082	3/8	77,449	3/8	69,817	3/8	62,184	3/8	54,552	3/8	46,920	3/8	39,294
1/2	107,821	1/2	100,188	1/2	92,555	1/2	84,923	1/2	77,290	1/2	69,658	1/2	62,025	1/2	54,393	1/2	46,762	1/2	39,135
5/8	107,662	5/8	100,029	5/8	92,396	5/8	84,764	5/8	77,131	5/8	69,499	5/8	61,866	5/8	54,234	5/8	46,603	5/8	38,977
3/4	107,503	3/4	99,870	3/4	92,237	3/4	84,605	3/4	76,972	3/4	69,340	3/4	61,707	3/4	54,075	3/4	46,444	3/4	38,818
7/8	107,344	7/8	99,711	7/8	92,078	7/8	84,446	7/8	76,813	7/8	69,181	7/8	61,548	7/8	53,916	7/8	46,285	7/8	38,659
3	107,185	9	99,552	3	91,919	9	84,287	3	76,654	9	69,022	3	61,389	9	53,757	3	46,126	9	38,500
1/8	107,026	1/8	99,393	1/8	91,760	1/8	84,128	1/8	76,495	1/8	68,863	1/8	61,230	1/8	53,598	1/8	45,967	1/8	38,341
1/4	106,867	1/4	99,234	1/4	91,601	1/4	83,969	1/4	76,336	1/4	68,704	1/4	61,071	1/4	53,439	1/4	45,808	1/4	38,182
3/8	106,708	3/8	99,075	3/8	91,442	3/8	83,810	3/8	76,177	3/8	68,545	3/8	60,912	3/8	53,280	3/8	45,649	3/8	38,023
1/2	106,549	1/2	98,916	1/2	91,283	1/2	83,651	1/2	76,018	1/2	68,386	1/2	60,753	1/2	53,121	1/2	45,491	1/2	37,864
5/8	106,390	5/8	98,757	5/8	91,124	5/8	83,492	5/8	75,859	5/8	68,227	5/8	60,594	5/8	52,962	5/8	45,332	5/8	37,706
3/4	106,230	3/4	98,598	3/4	90,965	3/4	83,333	3/4	75,700	3/4	68,068	3/4	60,435	3/4	52,803	3/4	45,173	3/4	37,547
7/8	106,071	7/8	98,439	7/8	90,806	7/8	83,174	7/8	75,541	7/8	67,909	7/8	60,276	7/8	52,644	7/8	45,014	7/8	37,388
4	105,912	10	98,280	4	90,647	10	83,015	4	75,382	10	67,750	4	60,117	10	52,485	4	44,855	10	37,229
1/8	105,753	1/8	98,121	1/8	90,488	1/8	82,856	1/8	75,223	1/8	67,591	1/8	59,958	1/8	52,326	1/8	44,696	1/8	37,070
1/4	105,594	1/4	97,962	1/4	90,329	1/4	82,697	1/4	75,064	1/4	67,432	1/4	59,799	1/4	52,167	1/4	44,537	1/4	36,911
3/8	105,435	3/8	97,803	3/8	90,170	3/8	82,538	3/8	74,905	3/8	67,273	3/8	59,640	3/8	52,008	3/8	44,378	3/8	36,752
1/2	105,276	1/2	97,644	1/2	90,011	1/2	82,379	1/2	74,746	1/2	67,114	1/2	59,481	1/2	51,849	1/2	44,220	1/2	36,593
5/8	105,117	5/8	97,485	5/8	89,852	5/8	82,220	5/8	74,587	5/8	66,955	5/8	59,322	5/8	51,689	5/8	44,061	5/8	36,435
3/4	104,958	3/4	97,326	3/4	89,693	3/4	82,061	3/4	74,428	3/4	66,796	3/4	59,163	3/4	51,530	3/4	43,902	3/4	36,276
7/8	104,799	7/8	97,167	7/8	89,534	7/8	81,902	7/8	74,269	7/8	66,637	7/8	59,004	7/8	51,371	7/8	43,743	7/8	36,117
5	104,640	11	97,008	5	89,375	11	81,743	5	74,110	11	66,478	5	58,845	11	51,212	5	43,584	11	35,958
1/8	104,481	1/8	96,849	1/8	89,216	1/8	81,584	1/8	73,951	1/8	66,319	1/8	58,686	1/8	51,053	1/8	43,425	1/8	35,799
1/4	104,322	1/4	96,690	1/4	89,057	1/4	81,425	1/4	73,792	1/4	66,160	1/4	58,527	1/4	50,894	1/4	43,266	1/4	35,640
3/8	104,163	3/8	96,531	3/8	88,898	3/8	81,266	3/8	73,633	3/8	66,001	3/8	58,368	3/8	50,735	3/8	43,107	3/8	35,481
1/2	104,004	1/2	96,372	1/2	88,739	1/2	81,107	1/2	73,474	1/2	65,842	1/2	58,209	1/2	50,576	1/2	42,949	1/2	35,322
5/8	103,845	5/8	96,213	5/8	88,580	5/8	80,948	5/8	73,315	5/8	65,683	5/8	58,050	5/8	50,417	5/8	42,790	5/8	35,163
3/4	103,686	3/4	96,054	3/4	88,421	3/4	80,789	3/4	73,156	3/4	65,524	3/4	57,891	3/4	50,258	3/4	42,631	3/4	35,004
7/8	103,527	7/8	95,895	7/8	88,262	7/8	80,630	7/8	72,997	7/8	65,364	7/8	57,732	7/8	50,099	7/8	42,472	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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

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	34,687	6	27,056	0	19,424	6	11,792	0	4,071	6		0		6		0		6	
1/8	34,528	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	34,369	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	34,210	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	34,051	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	33,892	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	33,733	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	33,574	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	33,415	7	25,784	1	18,152	7	10,520	1	2,865	7		1		7		1		7	
1/8	33,256	1/8	25,625	1/8	17,993	1/8	10,361	1/8	2,729	1/8		1/8		1/8		1/8		1/8	
1/4	33,097	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	32,938	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	32,779	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	32,620	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	32,461	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	32,302	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	32,143	8	24,512	2	16,880	8	9,248	2	1,872	8		2		8		2		8	
1/8	31,984	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	31,825	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	31,666	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	31,507	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	31,348	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	31,189	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	31,030	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	30,871	9	23,240	3	15,608	9	7,976	3	1,090	9		3		9		3		9	
1/8	30,712	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	30,553	1/4	22,922	1/4	15,290	1/4	7,658	1/4	928	1/4		1/4		1/4		1/4		1/4	
3/8	30,394	3/8	22,763	3/8	15,131	3/8	7,499	3/8	852	3/8		3/8		3/8		3/8		3/8	
1/2	30,235	1/2	22,604	1/2	14,972	1/2	7,340	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	30,076	5/8	22,445	5/8	14,813	5/8	7,181	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	29,917	3/4	22,286	3/4	14,654	3/4	7,022	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	29,758	7/8	22,127	7/8	14,495	7/8	6,863	7/8		7/8		7/8		7/8		7/8		7/8	
4	29,599	10	21,968	4	14,336	10	6,704	4		10		4		10		4		10	
1/8	29,440	1/8	21,809	1/8	14,177	1/8	6,545	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	29,281	1/4	21,650	1/4	14,018	1/4	6,386	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	29,122	3/8	21,491	3/8	13,859	3/8	6,227	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	28,963	1/2	21,332	1/2	13,700	1/2	6,068	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	28,804	5/8	21,173	5/8	13,541	5/8	5,909	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	5,750	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	5,591	7/8		7/8		7/8		7/8		7/8		7/8	
5	28,328	11	20,696	5	13,064	11	5,432	5		11		5		11		5		11	
1/8	28,169	1/8	20,537	1/8	12,905	1/8	5,273	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	5,114	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 (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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

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	222,572	0	216,612	6	209,041	0	201,470	0	193,870
1/8		1/8		1/8		1/8		1/8		1/8	222,516	1/8	216,454	1/8	208,883	1/8	201,312	1/8	193,711
1/4		1/4		1/4		1/4		1/4		1/4	222,457	1/4	216,297	1/4	208,726	1/4	201,153	1/4	193,553
3/8		3/8		3/8		3/8		3/8		3/8	222,394	3/8	216,139	3/8	208,568	3/8	200,995	3/8	193,395
1/2		1/2		1/2		1/2		1/2		1/2	222,328	1/2	215,981	1/2	208,410	1/2	200,837	1/2	193,236
5/8		5/8		5/8		5/8		5/8		5/8	222,258	5/8	215,823	5/8	208,253	5/8	200,678	5/8	193,078
3/4		3/4		3/4		3/4		3/4		3/4	222,185	3/4	215,666	3/4	208,095	3/4	200,520	3/4	192,920
7/8		7/8		7/8		7/8		7/8		7/8	222,109	7/8	215,508	7/8	207,937	7/8	200,362	7/8	192,761
1		7		1		7		1		7	222,030	1	215,350	7	207,779	1	200,203	1	192,603
1/8		1/8		1/8		1/8		1/8		1/8	221,947	1/8	215,192	1/8	207,622	1/8	200,045	1/8	192,444
1/4		1/4		1/4		1/4		1/4		1/4	221,861	1/4	215,035	1/4	207,464	1/4	199,887	1/4	192,286
3/8		3/8		3/8		3/8		3/8		3/8	221,772	3/8	214,877	3/8	207,306	3/8	199,728	3/8	192,128
1/2		1/2		1/2		1/2		1/2		1/2	221,679	1/2	214,719	1/2	207,149	1/2	199,570	1/2	191,969
5/8		5/8		5/8		5/8		5/8		5/8	221,583	5/8	214,562	5/8	206,991	5/8	199,411	5/8	191,811
3/4		3/4		3/4		3/4		3/4		3/4	221,484	3/4	214,404	3/4	206,833	3/4	199,253	3/4	191,653
7/8		7/8		7/8		7/8		7/8		7/8	221,382	7/8	214,246	7/8	206,675	7/8	199,095	7/8	191,494
2		8		2		8		2		8	221,276	2	214,088	8	206,518	2	198,936	2	191,336
1/8		1/8		1/8		1/8		1/8		1/8	221,167	1/8	213,931	1/8	206,360	1/8	198,778	1/8	191,178
1/4		1/4		1/4		1/4		1/4		1/4	221,055	1/4	213,773	1/4	206,202	1/4	198,620	1/4	191,019
3/8		3/8		3/8		3/8		3/8		3/8	220,939	3/8	213,615	3/8	206,044	3/8	198,461	3/8	190,861
1/2		1/2		1/2		1/2		1/2		1/2	220,820	1/2	213,457	1/2	205,887	1/2	198,303	1/2	190,703
5/8		5/8		5/8		5/8		5/8		5/8	220,698	5/8	213,300	5/8	205,729	5/8	198,145	5/8	190,544
3/4		3/4		3/4		3/4		3/4		3/4	220,572	3/4	213,142	3/4	205,571	3/4	197,986	3/4	190,386
7/8		7/8		7/8		7/8		7/8		7/8	220,444	7/8	212,984	7/8	205,414	7/8	197,828	7/8	190,228
3		9		3		9		3		9	220,311	3	212,827	9	205,256	3	197,670	3	190,069
1/8		1/8		1/8		1/8		1/8		1/8	220,176	1/8	212,669	1/8	205,098	1/8	197,511	1/8	189,911
1/4		1/4		1/4		1/4		1/4		1/4	220,037	1/4	212,511	1/4	204,940	1/4	197,353	1/4	189,753
3/8		3/8		3/8		3/8		3/8		3/8	219,895	3/8	212,353	3/8	204,783	3/8	197,195	3/8	189,594
1/2		1/2		1/2		1/2		1/2		1/2	219,750	1/2	212,196	1/2	204,625	1/2	197,036	1/2	189,436
5/8		5/8		5/8		5/8		5/8		5/8	219,601	5/8	212,038	5/8	204,467	5/8	196,878	5/8	189,278
3/4		3/4		3/4		3/4		3/4		3/4	219,449	3/4	211,880	3/4	204,310	3/4	196,720	3/4	189,119
7/8		7/8		7/8		7/8		7/8	223,034	7/8	219,294	7/8	211,722	7/8	204,152	7/8	196,561	7/8	188,961
4		10		4		10		4	223,033	10	219,136	4	211,565	10	203,994	4	196,403	4	188,803
1/8		1/8		1/8		1/8		1/8	223,029	1/8	218,979	1/8	211,407	1/8	203,836	1/8	196,245	1/8	188,644
1/4		1/4		1/4		1/4		1/4	223,022	1/4	218,821	1/4	211,249	1/4	203,679	1/4	196,086	1/4	188,486
3/8		3/8		3/8		3/8		3/8	223,011	3/8	218,663	3/8	211,092	3/8	203,521	3/8	195,928	3/8	188,328
1/2		1/2		1/2		1/2		1/2	222,997	1/2	218,505	1/2	210,934	1/2	203,363	1/2	195,770	1/2	188,169
5/8		5/8		5/8		5/8		5/8	222,980	5/8	218,348	5/8	210,776	5/8	203,205	5/8	195,611	5/8	188,011
3/4		3/4		3/4		3/4		3/4	222,959	3/4	218,190	3/4	210,618	3/4	203,048	3/4	195,453	3/4	187,853
7/8		7/8		7/8		7/8		7/8	222,935	7/8	218,032	7/8	210,461	7/8	202,890	7/8	195,295	7/8	187,694
5		11		5		11		5	222,908	11	217,874	5	210,303	11	202,732	5	195,136	5	187,536
1/8		1/8		1/8		1/8		1/8	222,878	1/8	217,717	1/8	210,145	1/8	202,575	1/8	194,978	1/8	187,378
1/4		1/4		1/4		1/4		1/4	222,844	1/4	217,559	1/4	209,988	1/4	202,417	1/4	194,820	1/4	187,219
3/8		3/8		3/8		3/8		3/8	222,807	3/8	217,401	3/8	209,830	3/8	202,259	3/8	194,661	3/8	187,061
1/2		1/2		1/2		1/2		1/2	222,766	1/2	217,243	1/2	209,672	1/2	202,101	1/2	194,503	1/2	186,903
5/8		5/8		5/8		5/8		5/8	222,723	5/8	217,086	5/8	209,514	5/8	201,944	5/8	194,345	5/8	186,744
3/4		3/4		3/4		3/4		3/4	222,676	3/4	216,928	3/4	209,357	3/4	201,786	3/4	194,186	3/4	186,586
7/8		7/8		7/8		7/8		7/8	222,625	7/8	216,770	7/8	209,199	7/8	201,628	7/8	194,028	7/8	186,428

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

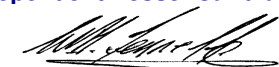
OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration





MOC 17

TANK NO. 2 PORT

Conrad Shipbuilding: Hull # C-967
ULLAGE GAUGING

HERMETIC ULLAGE TABLE

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 1/8"

5 FT.		5 FT.		6 FT.		6 FT.		7 FT.		7 FT.		8 FT.		8 FT.		9 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	186,269	6	178,669	0	171,069	6	163,468	0	155,868	6	148,267	0	140,667	6	133,067	0	125,466	6	117,865
1/8	186,111	1/8	178,511	1/8	170,910	1/8	163,310	1/8	155,709	1/8	148,109	1/8	140,509	1/8	132,908	1/8	125,308	1/8	117,706
1/4	185,953	1/4	178,352	1/4	170,752	1/4	163,151	1/4	155,551	1/4	147,951	1/4	140,350	1/4	132,750	1/4	125,150	1/4	117,548
3/8	185,794	3/8	178,194	3/8	170,594	3/8	162,993	3/8	155,393	3/8	147,792	3/8	140,192	3/8	132,592	3/8	124,991	3/8	117,390
1/2	185,636	1/2	178,036	1/2	170,435	1/2	162,835	1/2	155,234	1/2	147,634	1/2	140,034	1/2	132,433	1/2	124,833	1/2	117,231
5/8	185,478	5/8	177,877	5/8	170,277	5/8	162,676	5/8	155,076	5/8	147,476	5/8	139,875	5/8	132,275	5/8	124,675	5/8	117,073
3/4	185,319	3/4	177,719	3/4	170,118	3/4	162,518	3/4	154,918	3/4	147,317	3/4	139,717	3/4	132,117	3/4	124,516	3/4	116,914
7/8	185,161	7/8	177,560	7/8	169,960	7/8	162,360	7/8	154,759	7/8	147,159	7/8	139,559	7/8	131,958	7/8	124,358	7/8	116,756
1	185,002	7	177,402	1	169,802	7	162,201	1	154,601	7	147,001	1	139,400	7	131,800	1	124,200	7	116,598
1/8	184,844	1/8	177,244	1/8	169,643	1/8	162,043	1/8	154,443	1/8	146,842	1/8	139,242	1/8	131,642	1/8	124,041	1/8	116,439
1/4	184,686	1/4	177,085	1/4	169,485	1/4	161,885	1/4	154,284	1/4	146,684	1/4	139,084	1/4	131,483	1/4	123,883	1/4	116,281
3/8	184,527	3/8	176,927	3/8	169,327	3/8	161,726	3/8	154,126	3/8	146,526	3/8	138,925	3/8	131,325	3/8	123,725	3/8	116,122
1/2	184,369	1/2	176,769	1/2	169,168	1/2	161,568	1/2	153,968	1/2	146,367	1/2	138,767	1/2	131,167	1/2	123,566	1/2	115,964
5/8	184,211	5/8	176,610	5/8	169,010	5/8	161,410	5/8	153,809	5/8	146,209	5/8	138,609	5/8	131,008	5/8	123,408	5/8	115,806
3/4	184,052	3/4	176,452	3/4	168,852	3/4	161,251	3/4	153,651	3/4	146,051	3/4	138,450	3/4	130,850	3/4	123,250	3/4	115,647
7/8	183,894	7/8	176,294	7/8	168,693	7/8	161,093	7/8	153,493	7/8	145,892	7/8	138,292	7/8	130,692	7/8	123,091	7/8	115,489
2	183,736	8	176,135	2	168,535	8	160,935	2	153,334	8	145,734	2	138,134	8	130,533	2	122,933	8	115,330
1/8	183,577	1/8	175,977	1/8	168,377	1/8	160,776	1/8	153,176	1/8	145,576	1/8	137,975	1/8	130,375	1/8	122,775	1/8	115,172
1/4	183,419	1/4	175,819	1/4	168,218	1/4	160,618	1/4	153,018	1/4	145,417	1/4	137,817	1/4	130,217	1/4	122,616	1/4	115,014
3/8	183,261	3/8	175,660	3/8	168,060	3/8	160,460	3/8	152,859	3/8	145,259	3/8	137,659	3/8	130,058	3/8	122,458	3/8	114,855
1/2	183,102	1/2	175,502	1/2	167,902	1/2	160,301	1/2	152,701	1/2	145,101	1/2	137,500	1/2	129,900	1/2	122,300	1/2	114,697
5/8	182,944	5/8	175,344	5/8	167,743	5/8	160,143	5/8	152,543	5/8	144,942	5/8	137,342	5/8	129,742	5/8	122,141	5/8	114,538
3/4	182,786	3/4	175,185	3/4	167,585	3/4	159,985	3/4	152,384	3/4	144,784	3/4	137,184	3/4	129,583	3/4	121,983	3/4	114,380
7/8	182,627	7/8	175,027	7/8	167,427	7/8	159,826	7/8	152,226	7/8	144,626	7/8	137,025	7/8	129,425	7/8	121,825	7/8	114,222
3	182,469	9	174,869	3	167,268	9	159,668	3	152,068	9	144,467	3	136,867	9	129,267	3	121,666	9	114,063
1/8	182,311	1/8	174,710	1/8	167,110	1/8	159,510	1/8	151,909	1/8	144,309	1/8	136,709	1/8	129,108	1/8	121,508	1/8	113,905
1/4	182,152	1/4	174,552	1/4	166,952	1/4	159,351	1/4	151,751	1/4	144,151	1/4	136,550	1/4	128,950	1/4	121,349	1/4	113,746
3/8	181,994	3/8	174,394	3/8	166,793	3/8	159,193	3/8	151,593	3/8	143,992	3/8	136,392	3/8	128,792	3/8	121,191	3/8	113,588
1/2	181,836	1/2	174,235	1/2	166,635	1/2	159,035	1/2	151,434	1/2	143,834	1/2	136,234	1/2	128,633	1/2	121,033	1/2	113,430
5/8	181,677	5/8	174,077	5/8	166,477	5/8	158,876	5/8	151,276	5/8	143,676	5/8	136,075	5/8	128,475	5/8	120,874	5/8	113,271
3/4	181,519	3/4	173,919	3/4	166,318	3/4	158,718	3/4	151,118	3/4	143,517	3/4	135,917	3/4	128,317	3/4	120,716	3/4	113,113
7/8	181,361	7/8	173,760	7/8	166,160	7/8	158,560	7/8	150,959	7/8	143,359	7/8	135,759	7/8	128,158	7/8	120,557	7/8	112,954
4	181,202	10	173,602	4	166,002	10	158,401	4	150,801	10	143,201	4	135,600	10	128,000	4	120,399	10	112,796
1/8	181,044	1/8	173,444	1/8	165,843	1/8	158,243	1/8	150,643	1/8	143,042	1/8	135,442	1/8	127,842	1/8	120,241	1/8	112,638
1/4	180,886	1/4	173,285	1/4	165,685	1/4	158,085	1/4	150,484	1/4	142,884	1/4	135,284	1/4	127,683	1/4	120,082	1/4	112,479
3/8	180,727	3/8	173,127	3/8	165,527	3/8	157,926	3/8	150,326	3/8	142,726	3/8	135,125	3/8	127,525	3/8	119,924	3/8	112,321
1/2	180,569	1/2	172,969	1/2	165,368	1/2	157,768	1/2	150,168	1/2	142,567	1/2	134,967	1/2	127,367	1/2	119,765	1/2	112,162
5/8	180,411	5/8	172,810	5/8	165,210	5/8	157,610	5/8	150,009	5/8	142,409	5/8	134,809	5/8	127,208	5/8	119,607	5/8	112,004
3/4	180,252	3/4	172,652	3/4	165,052	3/4	157,451	3/4	149,851	3/4	142,251	3/4	134,650	3/4	127,050	3/4	119,449	3/4	111,846
7/8	180,094	7/8	172,494	7/8	164,893	7/8	157,293	7/8	149,693	7/8	142,092	7/8	134,492	7/8	126,892	7/8	119,290	7/8	111,687
5	179,936	11	172,335	5	164,735	11	157,135	5	149,534	11	141,934	5	134,334	11	126,733	5	119,132	11	111,529
1/8	179,777	1/8	172,177	1/8	164,577	1/8	156,976	1/8	149,376	1/8	141,776	1/8	134,175	1/8	126,575	1/8	118,973	1/8	111,370
1/4	179,619	1/4	172,019	1/4	164,418	1/4	156,818	1/4	149,218	1/4	141,617	1/4	134,017	1/4	126,416	1/4	118,815	1/4	111,212
3/8	179,461	3/8	171,860	3/8	164,260	3/8	156,660	3/8	149,059	3/8	141,459	3/8	133,858	3/8	126,258	3/8	118,657	3/8	111,054
1/2	179,302	1/2	171,702	1/2	164,102	1/2	156,501	1/2	148,901	1/2	141,301	1/2	133,700	1/2	126,100	1/2	118,498	1/2	110,895
5/8	179,144	5/8	171,544	5/8	163,943	5/8	156,343	5/8	148,743	5/8	141,142	5/8	133,542	5/8	125,941	5/8	118,340	5/8	110,737
3/4	178,986	3/4	171,385	3/4	163,785	3/4	156,185	3/4	148,584	3/4	140,984	3/4	133,383	3/4	125,783	3/4	118,182	3/4	110,579
7/8	178,827	7/8	171,227	7/8	163,627	7/8	156,026	7/8	148,426	7/8	140,825	7/8	133,225	7/8	125,625	7/8	118,023	7/8	110,420

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 1/8"

10 FT.		10 FT.		11 FT.		11 FT.		12 FT.		12 FT.		13 FT.		13 FT.		14 FT.		14 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	110,262	6	102,659	0	95,056	6	87,453	0	79,850	6	72,247	0	64,644	6	57,041	0	49,438	6	41,837
1/8	110,103	1/8	102,500	1/8	94,897	1/8	87,294	1/8	79,691	1/8	72,088	1/8	64,485	1/8	56,882	1/8	49,279	1/8	41,679
1/4	109,945	1/4	102,342	1/4	94,739	1/4	87,136	1/4	79,533	1/4	71,930	1/4	64,327	1/4	56,724	1/4	49,121	1/4	41,520
3/8	109,787	3/8	102,184	3/8	94,581	3/8	86,978	3/8	79,375	3/8	71,772	3/8	64,169	3/8	56,566	3/8	48,963	3/8	41,362
1/2	109,628	1/2	102,025	1/2	94,422	1/2	86,819	1/2	79,216	1/2	71,613	1/2	64,010	1/2	56,407	1/2	48,804	1/2	41,204
5/8	109,470	5/8	101,867	5/8	94,264	5/8	86,661	5/8	79,058	5/8	71,455	5/8	63,852	5/8	56,249	5/8	48,646	5/8	41,045
3/4	109,311	3/4	101,708	3/4	94,105	3/4	86,502	3/4	78,899	3/4	71,296	3/4	63,693	3/4	56,090	3/4	48,487	3/4	40,887
7/8	109,153	7/8	101,550	7/8	93,947	7/8	86,344	7/8	78,741	7/8	71,138	7/8	63,535	7/8	55,932	7/8	48,329	7/8	40,729
1	108,995	7	101,392	1	93,789	7	86,186	1	78,583	7	70,980	1	63,377	7	55,774	1	48,171	7	40,570
1/8	108,836	1/8	101,233	1/8	93,630	1/8	86,027	1/8	78,424	1/8	70,821	1/8	63,218	1/8	55,615	1/8	48,012	1/8	40,412
1/4	108,678	1/4	101,075	1/4	93,472	1/4	85,869	1/4	78,266	1/4	70,663	1/4	63,060	1/4	55,457	1/4	47,854	1/4	40,254
3/8	108,519	3/8	100,916	3/8	93,313	3/8	85,710	3/8	78,107	3/8	70,504	3/8	62,901	3/8	55,298	3/8	47,696	3/8	40,095
1/2	108,361	1/2	100,758	1/2	93,155	1/2	85,552	1/2	77,949	1/2	70,346	1/2	62,743	1/2	55,140	1/2	47,537	1/2	39,937
5/8	108,203	5/8	100,600	5/8	92,997	5/8	85,394	5/8	77,791	5/8	70,188	5/8	62,585	5/8	54,982	5/8	47,379	5/8	39,779
3/4	108,044	3/4	100,441	3/4	92,838	3/4	85,235	3/4	77,632	3/4	70,029	3/4	62,426	3/4	54,823	3/4	47,221	3/4	39,620
7/8	107,886	7/8	100,283	7/8	92,680	7/8	85,077	7/8	77,474	7/8	69,871	7/8	62,268	7/8	54,665	7/8	47,062	7/8	39,462
2	107,727	8	100,124	2	92,521	8	84,918	2	77,315	8	69,712	2	62,109	8	54,506	2	46,904	8	39,304
1/8	107,569	1/8	99,966	1/8	92,363	1/8	84,760	1/8	77,157	1/8	69,554	1/8	61,951	1/8	54,348	1/8	46,746	1/8	39,145
1/4	107,411	1/4	99,808	1/4	92,205	1/4	84,602	1/4	76,999	1/4	69,396	1/4	61,793	1/4	54,190	1/4	46,587	1/4	38,987
3/8	107,252	3/8	99,649	3/8	92,046	3/8	84,443	3/8	76,840	3/8	69,237	3/8	61,634	3/8	54,031	3/8	46,429	3/8	38,829
1/2	107,094	1/2	99,491	1/2	91,888	1/2	84,285	1/2	76,682	1/2	69,079	1/2	61,476	1/2	53,873	1/2	46,271	1/2	38,670
5/8	106,935	5/8	99,332	5/8	91,729	5/8	84,126	5/8	76,523	5/8	68,920	5/8	61,317	5/8	53,714	5/8	46,112	5/8	38,512
3/4	106,777	3/4	99,174	3/4	91,571	3/4	83,968	3/4	76,365	3/4	68,762	3/4	61,159	3/4	53,556	3/4	45,954	3/4	38,354
7/8	106,619	7/8	99,016	7/8	91,413	7/8	83,810	7/8	76,207	7/8	68,604	7/8	61,001	7/8	53,398	7/8	45,796	7/8	38,195
3	106,460	9	98,857	3	91,254	9	83,651	3	76,048	9	68,445	3	60,842	9	53,239	3	45,637	9	38,037
1/8	106,302	1/8	98,699	1/8	91,096	1/8	83,493	1/8	75,890	1/8	68,287	1/8	60,684	1/8	53,081	1/8	45,479	1/8	37,879
1/4	106,143	1/4	98,540	1/4	90,937	1/4	83,334	1/4	75,731	1/4	68,128	1/4	60,525	1/4	52,922	1/4	45,321	1/4	37,720
3/8	105,985	3/8	98,382	3/8	90,779	3/8	83,176	3/8	75,573	3/8	67,970	3/8	60,367	3/8	52,764	3/8	45,162	3/8	37,562
1/2	105,827	1/2	98,224	1/2	90,621	1/2	83,018	1/2	75,415	1/2	67,812	1/2	60,209	1/2	52,606	1/2	45,004	1/2	37,404
5/8	105,668	5/8	98,065	5/8	90,462	5/8	82,859	5/8	75,256	5/8	67,653	5/8	60,050	5/8	52,447	5/8	44,846	5/8	37,245
3/4	105,510	3/4	97,907	3/4	90,304	3/4	82,701	3/4	75,098	3/4	67,495	3/4	59,892	3/4	52,289	3/4	44,687	3/4	37,087
7/8	105,351	7/8	97,748	7/8	90,145	7/8	82,542	7/8	74,939	7/8	67,336	7/8	59,733	7/8	52,130	7/8	44,529	7/8	36,929
4	105,193	10	97,590	4	89,987	10	82,384	4	74,781	10	67,178	4	59,575	10	51,972	4	44,371	10	36,770
1/8	105,035	1/8	97,432	1/8	89,829	1/8	82,226	1/8	74,623	1/8	67,020	1/8	59,417	1/8	51,814	1/8	44,212	1/8	36,612
1/4	104,876	1/4	97,273	1/4	89,670	1/4	82,067	1/4	74,464	1/4	66,861	1/4	59,258	1/4	51,655	1/4	44,054	1/4	36,454
3/8	104,718	3/8	97,115	3/8	89,512	3/8	81,909	3/8	74,306	3/8	66,703	3/8	59,100	3/8	51,497	3/8	43,895	3/8	36,295
1/2	104,559	1/2	96,956	1/2	89,353	1/2	81,750	1/2	74,147	1/2	66,544	1/2	58,942	1/2	51,339	1/2	43,737	1/2	36,137
5/8	104,401	5/8	96,798	5/8	89,195	5/8	81,592	5/8	73,989	5/8	66,386	5/8	58,783	5/8	51,180	5/8	43,579	5/8	35,979
3/4	104,243	3/4	96,640	3/4	89,037	3/4	81,434	3/4	73,831	3/4	66,228	3/4	58,625	3/4	51,022	3/4	43,420	3/4	35,820
7/8	104,084	7/8	96,481	7/8	88,878	7/8	81,275	7/8	73,672	7/8	66,069	7/8	58,466	7/8	50,863	7/8	43,262	7/8	35,662
5	103,926	11	96,323	5	88,720	11	81,117	5	73,514	11	65,911	5	58,308	11	50,705	5	43,104	11	35,503
1/8	103,767	1/8	96,165	1/8	88,562	1/8	80,959	1/8	73,356	1/8	65,753	1/8	58,150	1/8	50,547	1/8	42,945	1/8	35,345
1/4	103,609	1/4	96,006	1/4	88,403	1/4	80,800	1/4	73,197	1/4	65,594	1/4	57,991	1/4	50,388	1/4	42,787	1/4	35,187
3/8	103,451	3/8	95,848	3/8	88,245	3/8	80,642	3/8	73,039	3/8	65,436	3/8	57,833	3/8	50,230	3/8	42,629	3/8	35,028
1/2	103,292	1/2	95,689	1/2	88,086	1/2	80,483	1/2	72,880	1/2	65,277	1/2	57,674	1/2	50,071	1/2	42,470	1/2	34,870
5/8	103,134	5/8	95,531	5/8	87,928	5/8	80,325	5/8	72,722	5/8	65,119	5/8	57,516	5/8	49,913	5/8	42,312	5/8	34,712
3/4	102,976	3/4	95,373	3/4	87,770	3/4	80,167	3/4	72,564	3/4	64,961	3/4	57,358	3/4	49,755	3/4	42,154	3/4	34,553
7/8	102,817	7/8	95,214	7/8	87,611	7/8	80,008	7/8	72,405	7/8	64,802	7/8	57,199	7/8	49,596	7/8	41,995	7/8	34,395

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

ULLAGE GAUGING

GAUGE HEIGHT: 17'-3 1/8"

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	34,236	6	26,634	0	19,032	6	11,430	0	3,735	6	17 FT.	0	18 FT.	6	18 FT.	0	19 FT.	6	19 FT.
1/8	34,078	1/8	26,476	1/8	18,874	1/8	11,271	1/8	3,580	1/8	17 FT.	1/8	18 FT.	1/8	18 FT.	1/8	19 FT.	1/8	19 FT.
1/4	33,920	1/4	26,317	1/4	18,715	1/4	11,113	1/4	3,428	1/4	17 FT.	1/4	18 FT.	1/4	18 FT.	1/4	19 FT.	1/4	19 FT.
3/8	33,761	3/8	26,159	3/8	18,557	3/8	10,955	3/8	3,280	3/8	17 FT.	3/8	18 FT.	3/8	18 FT.	3/8	19 FT.	3/8	19 FT.
1/2	33,603	1/2	26,001	1/2	18,398	1/2	10,796	1/2	3,135	1/2	17 FT.	1/2	18 FT.	1/2	18 FT.	1/2	19 FT.	1/2	19 FT.
5/8	33,444	5/8	25,842	5/8	18,240	5/8	10,638	5/8	2,993	5/8	17 FT.	5/8	18 FT.	5/8	18 FT.	5/8	19 FT.	5/8	19 FT.
3/4	33,286	3/4	25,684	3/4	18,082	3/4	10,479	3/4	2,854	3/4	17 FT.	3/4	18 FT.	3/4	18 FT.	3/4	19 FT.	3/4	19 FT.
7/8	33,128	7/8	25,525	7/8	17,923	7/8	10,321	7/8	2,719	7/8	17 FT.	7/8	18 FT.	7/8	18 FT.	7/8	19 FT.	7/8	19 FT.
1	32,969	7	25,367	1	17,765	7	10,163	1	2,587	7	17 FT.	1	18 FT.	7	18 FT.	1	19 FT.	7	19 FT.
1/8	32,811	1/8	25,209	1/8	17,607	1/8	10,004	1/8	2,458	1/8	17 FT.	1/8	18 FT.	1/8	18 FT.	1/8	19 FT.	1/8	19 FT.
1/4	32,652	1/4	25,050	1/4	17,448	1/4	9,846	1/4	2,333	1/4	17 FT.	1/4	18 FT.	1/4	18 FT.	1/4	19 FT.	1/4	19 FT.
3/8	32,494	3/8	24,892	3/8	17,290	3/8	9,688	3/8	2,211	3/8	17 FT.	3/8	18 FT.	3/8	18 FT.	3/8	19 FT.	3/8	19 FT.
1/2	32,336	1/2	24,734	1/2	17,131	1/2	9,529	1/2	2,092	1/2	17 FT.	1/2	18 FT.	1/2	18 FT.	1/2	19 FT.	1/2	19 FT.
5/8	32,177	5/8	24,575	5/8	16,973	5/8	9,371	5/8	1,977	5/8	17 FT.	5/8	18 FT.	5/8	18 FT.	5/8	19 FT.	5/8	19 FT.
3/4	32,019	3/4	24,417	3/4	16,815	3/4	9,212	3/4	1,864	3/4	17 FT.	3/4	18 FT.	3/4	18 FT.	3/4	19 FT.	3/4	19 FT.
7/8	31,861	7/8	24,258	7/8	16,656	7/8	9,054	7/8	1,756	7/8	17 FT.	7/8	18 FT.	7/8	18 FT.	7/8	19 FT.	7/8	19 FT.
2	31,702	8	24,100	2	16,498	8	8,896	2	1,650	8	17 FT.	2	18 FT.	8	18 FT.	2	19 FT.	8	19 FT.
1/8	31,544	1/8	23,942	1/8	16,339	1/8	8,737	1/8	1,548	1/8	17 FT.	1/8	18 FT.	1/8	18 FT.	1/8	19 FT.	1/8	19 FT.
1/4	31,385	1/4	23,783	1/4	16,181	1/4	8,579	1/4	1,449	1/4	17 FT.	1/4	18 FT.	1/4	18 FT.	1/4	19 FT.	1/4	19 FT.
3/8	31,227	3/8	23,625	3/8	16,023	3/8	8,421	3/8	1,353	3/8	17 FT.	3/8	18 FT.	3/8	18 FT.	3/8	19 FT.	3/8	19 FT.
1/2	31,069	1/2	23,466	1/2	15,864	1/2	8,262	1/2	1,261	1/2	17 FT.	1/2	18 FT.	1/2	18 FT.	1/2	19 FT.	1/2	19 FT.
5/8	30,910	5/8	23,308	5/8	15,706	5/8	8,104	5/8	1,172	5/8	17 FT.	5/8	18 FT.	5/8	18 FT.	5/8	19 FT.	5/8	19 FT.
3/4	30,752	3/4	23,150	3/4	15,548	3/4	7,945	3/4	1,086	3/4	17 FT.	3/4	18 FT.	3/4	18 FT.	3/4	19 FT.	3/4	19 FT.
7/8	30,594	7/8	22,991	7/8	15,389	7/8	7,787	7/8	1,004	7/8	17 FT.	7/8	18 FT.	7/8	18 FT.	7/8	19 FT.	7/8	19 FT.
3	30,435	9	22,833	3	15,231	9	7,629	3	924	9	17 FT.	3	18 FT.	9	18 FT.	3	19 FT.	9	19 FT.
1/8	30,277	1/8	22,675	1/8	15,072	1/8	7,470	1/8	848	1/8	17 FT.	1/8	18 FT.	1/8	18 FT.	1/8	19 FT.	1/8	19 FT.
1/4	30,118	1/4	22,516	1/4	14,914	1/4	7,312	1/4	848	1/4	17 FT.	1/4	18 FT.	1/4	18 FT.	1/4	19 FT.	1/4	19 FT.
3/8	29,960	3/8	22,358	3/8	14,756	3/8	7,154	3/8	848	3/8	17 FT.	3/8	18 FT.	3/8	18 FT.	3/8	19 FT.	3/8	19 FT.
1/2	29,802	1/2	22,199	1/2	14,597	1/2	6,995	1/2	848	1/2	17 FT.	1/2	18 FT.	1/2	18 FT.	1/2	19 FT.	1/2	19 FT.
5/8	29,643	5/8	22,041	5/8	14,439	5/8	6,837	5/8	848	5/8	17 FT.	5/8	18 FT.	5/8	18 FT.	5/8	19 FT.	5/8	19 FT.
3/4	29,485	3/4	21,883	3/4	14,281	3/4	6,678	3/4	848	3/4	17 FT.	3/4	18 FT.	3/4	18 FT.	3/4	19 FT.	3/4	19 FT.
7/8	29,326	7/8	21,724	7/8	14,122	7/8	6,520	7/8	848	7/8	17 FT.	7/8	18 FT.	7/8	18 FT.	7/8	19 FT.	7/8	19 FT.
4	29,168	10	21,566	4	13,964	10	6,362	4	848	10	17 FT.	4	18 FT.	10	18 FT.	4	19 FT.	10	19 FT.
1/8	29,010	1/8	21,408	1/8	13,805	1/8	6,203	1/8	848	1/8	17 FT.	1/8	18 FT.	1/8	18 FT.	1/8	19 FT.	1/8	19 FT.
1/4	28,851	1/4	21,249	1/4	13,647	1/4	6,045	1/4	848	1/4	17 FT.	1/4	18 FT.	1/4	18 FT.	1/4	19 FT.	1/4	19 FT.
3/8	28,693	3/8	21,091	3/8	13,489	3/8	5,887	3/8	848	3/8	17 FT.	3/8	18 FT.	3/8	18 FT.	3/8	19 FT.	3/8	19 FT.
1/2	28,535	1/2	20,932	1/2	13,330	1/2	5,728	1/2	848	1/2	17 FT.	1/2	18 FT.	1/2	18 FT.	1/2	19 FT.	1/2	19 FT.
5/8	28,376	5/8	20,774	5/8	13,172	5/8	5,570	5/8	848	5/8	17 FT.	5/8	18 FT.	5/8	18 FT.	5/8	19 FT.	5/8	19 FT.
3/4	28,218	3/4	20,616	3/4	13,014	3/4	5,411	3/4	848	3/4	17 FT.	3/4	18 FT.	3/4	18 FT.	3/4	19 FT.	3/4	19 FT.
7/8	28,059	7/8	20,457	7/8	12,855	7/8	5,253	7/8	848	7/8	17 FT.	7/8	18 FT.	7/8	18 FT.	7/8	19 FT.	7/8	19 FT.
5	27,901	11	20,299	5	12,697	11	5,095	5	848	11	17 FT.	5	18 FT.	11	18 FT.	5	19 FT.	11	19 FT.
1/8	27,743	1/8	20,141	1/8	12,538	1/8	4,913	1/8	848	1/8	17 FT.	1/8	18 FT.	1/8	18 FT.	1/8	19 FT.	1/8	19 FT.
1/4	27,584	1/4	19,982	1/4	12,380	1/4	4,735	1/4	848	1/4	17 FT.	1/4	18 FT.	1/4	18 FT.	1/4	19 FT.	1/4	19 FT.
3/8	27,426	3/8	19,824	3/8	12,222	3/8	4,560	3/8	848	3/8	17 FT.	3/8	18 FT.	3/8	18 FT.	3/8	19 FT.	3/8	19 FT.
1/2	27,268	1/2	19,665	1/2	12,063	1/2	4,389	1/2	848	1/2	17 FT.	1/2	18 FT.	1/2	18 FT.	1/2	19 FT.	1/2	19 FT.
5/8	27,109	5/8	19,507	5/8	11,905	5/8	4,220	5/8	848	5/8	17 FT.	5/8	18 FT.	5/8	18 FT.	5/8	19 FT.	5/8	19 FT.
3/4	26,951	3/4	19,349	3/4	11,747	3/4	4,055	3/4	848	3/4	17 FT.	3/4	18 FT.	3/4	18 FT.	3/4	19 FT.	3/4	19 FT.
7/8	26,792	7/8	19,190	7/8	11,588	7/8	3,894	7/8	848	7/8	17 FT.	7/8	18 FT.	7/8	18 FT.	7/8	19 FT.	7/8	19 FT.

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

0 FT.		1 FT.		1 FT.		2 FT.		2 FT.		3 FT.		3 FT.		4 FT.		4 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	6	0	6	0	6	0	6	0	6	0	6	0	6	0	6	0	6
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	222,286	1/8	216,547	1/8	208,986	1/8	201,426	1/8	193,837
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	222,236	1/4	216,389	1/4	208,829	1/4	201,269	1/4	193,679
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	222,183	3/8	216,232	3/8	208,671	3/8	201,111	3/8	193,521
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	222,127	1/2	216,074	1/2	208,514	1/2	200,952	1/2	193,363
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	222,068	5/8	215,916	5/8	208,356	5/8	200,794	5/8	193,205
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	222,005	3/4	215,759	3/4	208,199	3/4	200,636	3/4	193,046
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	221,939	7/8	215,601	7/8	208,041	7/8	200,478	7/8	192,888
1	7	1	7	1	7	1	7	1	221,869	1	215,444	1	207,884	1	200,320	1	192,730
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	221,797	1/8	215,286	1/8	207,726	1/8	200,162	1/8	192,572
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	221,721	1/4	215,129	1/4	207,569	1/4	200,004	1/4	192,414
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	221,642	3/8	214,971	3/8	207,411	3/8	199,846	3/8	192,256
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	221,559	1/2	214,814	1/2	207,254	1/2	199,687	1/2	192,098
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	221,473	5/8	214,656	5/8	207,096	5/8	199,529	5/8	191,940
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	221,384	3/4	214,499	3/4	206,939	3/4	199,371	3/4	191,782
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	221,292	7/8	214,341	7/8	206,781	7/8	199,213	7/8	191,623
2	8	2	8	2	8	2	8	2	221,196	2	214,184	2	206,624	2	199,055	2	191,465
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	221,097	1/8	214,026	1/8	206,466	1/8	198,897	1/8	191,307
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	220,994	1/4	213,869	1/4	206,309	1/4	198,739	1/4	191,149
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	220,889	3/8	213,711	3/8	206,151	3/8	198,581	3/8	190,991
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	220,780	1/2	213,554	1/2	205,994	1/2	198,422	1/2	190,833
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	220,668	5/8	213,396	5/8	205,836	5/8	198,264	5/8	190,675
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	220,552	3/4	213,239	3/4	205,679	3/4	198,106	3/4	190,517
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	220,434	7/8	213,081	7/8	205,521	7/8	197,948	7/8	190,358
3	9	3	9	3	9	3	9	3	220,312	3	212,924	3	205,364	3	197,790	3	190,200
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	220,186	1/8	212,766	1/8	205,206	1/8	197,632	1/8	190,042
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	220,058	1/4	212,609	1/4	205,049	1/4	197,474	1/4	189,884
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	219,926	3/8	212,451	3/8	204,891	3/8	197,316	3/8	189,726
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	219,790	1/2	212,294	1/2	204,734	1/2	197,158	1/2	189,568
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	219,652	5/8	212,136	5/8	204,576	5/8	196,999	5/8	189,410
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	219,510	3/4	211,979	3/4	204,419	3/4	196,841	3/4	189,252
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	219,365	7/8	211,821	7/8	204,261	7/8	196,683	7/8	189,093
4	10	4	10	4	10	4	10	4	219,216	4	211,664	4	204,104	4	196,525	4	188,935
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	219,065	1/8	211,506	1/8	203,946	1/8	196,367	1/8	188,777
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	222,644	1/4	211,349	1/4	203,789	1/4	196,209	1/4	188,619
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	222,643	3/8	211,191	3/8	203,631	3/8	196,051	3/8	188,461
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	222,639	1/2	211,034	1/2	203,474	1/2	195,893	1/2	188,303
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	222,632	5/8	210,876	5/8	203,316	5/8	195,734	5/8	188,145
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	222,621	3/4	210,719	3/4	203,159	3/4	195,576	3/4	187,987
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	222,607	7/8	210,561	7/8	203,001	7/8	195,418	7/8	187,829
5	11	5	11	5	11	5	11	5	222,590	5	210,404	5	202,844	5	195,260	5	187,670
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	222,569	1/8	210,246	1/8	202,686	1/8	195,102	1/8	187,512
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	222,546	1/4	210,089	1/4	202,529	1/4	194,944	1/4	187,354
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	222,519	3/8	209,931	3/8	202,371	3/8	194,786	3/8	187,196
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	222,488	1/2	209,774	1/2	202,214	1/2	194,628	1/2	187,038
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	222,454	5/8	209,616	5/8	202,056	5/8	194,470	5/8	186,880
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	222,417	3/4	209,459	3/4	201,899	3/4	194,311	3/4	186,722
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	222,377	7/8	209,301	7/8	201,741	7/8	194,153	7/8	186,564
									222,333		209,144		201,584		193,995		186,405

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

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

DATE STRAPPED: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 3/8"

5 FT.		5 FT.		6 FT.		6 FT.		7 FT.		7 FT.		8 FT.		8 FT.		9 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	186,247	6	178,658	0	171,068	6	163,478	0	155,889	6	148,299	0	140,709	6	133,119	0	125,530	6	117,939
1/8	186,089	1/8	178,500	1/8	170,910	1/8	163,320	1/8	155,730	1/8	148,141	1/8	140,551	1/8	132,961	1/8	125,372	1/8	117,781
1/4	185,931	1/4	178,341	1/4	170,752	1/4	163,162	1/4	155,572	1/4	147,983	1/4	140,393	1/4	132,803	1/4	125,213	1/4	117,622
3/8	185,773	3/8	178,183	3/8	170,594	3/8	163,004	3/8	155,414	3/8	147,824	3/8	140,235	3/8	132,645	3/8	125,055	3/8	117,464
1/2	185,615	1/2	178,025	1/2	170,435	1/2	162,846	1/2	155,256	1/2	147,666	1/2	140,077	1/2	132,487	1/2	124,897	1/2	117,306
5/8	185,457	5/8	177,867	5/8	170,277	5/8	162,688	5/8	155,098	5/8	147,508	5/8	139,919	5/8	132,329	5/8	124,739	5/8	117,148
3/4	185,299	3/4	177,709	3/4	170,119	3/4	162,530	3/4	154,940	3/4	147,350	3/4	139,760	3/4	132,171	3/4	124,581	3/4	116,990
7/8	185,141	7/8	177,551	7/8	169,961	7/8	162,371	7/8	154,782	7/8	147,192	7/8	139,602	7/8	132,013	7/8	124,423	7/8	116,832
1	184,982	7	177,393	1	169,803	7	162,213	1	154,624	7	147,034	1	139,444	7	131,854	1	124,265	7	116,673
1/8	184,824	1/8	177,235	1/8	169,645	1/8	162,055	1/8	154,465	1/8	146,876	1/8	139,286	1/8	131,696	1/8	124,107	1/8	116,515
1/4	184,666	1/4	177,076	1/4	169,487	1/4	161,897	1/4	154,307	1/4	146,718	1/4	139,128	1/4	131,538	1/4	123,949	1/4	116,357
3/8	184,508	3/8	176,918	3/8	169,329	3/8	161,739	3/8	154,149	3/8	146,560	3/8	138,970	3/8	131,380	3/8	123,790	3/8	116,199
1/2	184,350	1/2	176,760	1/2	169,171	1/2	161,581	1/2	153,991	1/2	146,401	1/2	138,812	1/2	131,222	1/2	123,632	1/2	116,041
5/8	184,192	5/8	176,602	5/8	169,012	5/8	161,423	5/8	153,833	5/8	146,243	5/8	138,654	5/8	131,064	5/8	123,474	5/8	115,882
3/4	184,034	3/4	176,444	3/4	168,854	3/4	161,265	3/4	153,675	3/4	146,085	3/4	138,495	3/4	130,906	3/4	123,316	3/4	115,724
7/8	183,876	7/8	176,286	7/8	168,696	7/8	161,106	7/8	153,517	7/8	145,927	7/8	138,337	7/8	130,748	7/8	123,158	7/8	115,566
2	183,717	8	176,128	2	168,538	8	160,948	2	153,359	8	145,769	2	138,179	8	130,590	2	123,000	8	115,408
1/8	183,559	1/8	175,970	1/8	168,380	1/8	160,790	1/8	153,201	1/8	145,611	1/8	138,021	1/8	130,431	1/8	122,842	1/8	115,250
1/4	183,401	1/4	175,812	1/4	168,222	1/4	160,632	1/4	153,042	1/4	145,453	1/4	137,863	1/4	130,273	1/4	122,684	1/4	115,092
3/8	183,243	3/8	175,653	3/8	168,064	3/8	160,474	3/8	152,884	3/8	145,295	3/8	137,705	3/8	130,115	3/8	122,525	3/8	114,933
1/2	183,085	1/2	175,495	1/2	167,906	1/2	160,316	1/2	152,726	1/2	145,136	1/2	137,547	1/2	129,957	1/2	122,367	1/2	114,775
5/8	182,927	5/8	175,337	5/8	167,747	5/8	160,158	5/8	152,568	5/8	144,978	5/8	137,389	5/8	129,799	5/8	122,209	5/8	114,617
3/4	182,769	3/4	175,179	3/4	167,589	3/4	160,000	3/4	152,410	3/4	144,820	3/4	137,231	3/4	129,641	3/4	122,051	3/4	114,459
7/8	182,611	7/8	175,021	7/8	167,431	7/8	159,842	7/8	152,252	7/8	144,662	7/8	137,072	7/8	129,483	7/8	121,893	7/8	114,301
3	182,452	9	174,863	3	167,273	9	159,683	3	152,094	9	144,504	3	136,914	9	129,325	3	121,735	9	114,143
1/8	182,294	1/8	174,705	1/8	167,115	1/8	159,525	1/8	151,936	1/8	144,346	1/8	136,756	1/8	129,166	1/8	121,577	1/8	113,984
1/4	182,136	1/4	174,547	1/4	166,957	1/4	159,367	1/4	151,777	1/4	144,188	1/4	136,598	1/4	129,008	1/4	121,419	1/4	113,826
3/8	181,978	3/8	174,388	3/8	166,799	3/8	159,209	3/8	151,619	3/8	144,030	3/8	136,440	3/8	128,850	3/8	121,260	3/8	113,668
1/2	181,820	1/2	174,230	1/2	166,641	1/2	159,051	1/2	151,461	1/2	143,871	1/2	136,282	1/2	128,692	1/2	121,102	1/2	113,510
5/8	181,662	5/8	174,072	5/8	166,482	5/8	158,893	5/8	151,303	5/8	143,713	5/8	136,124	5/8	128,534	5/8	120,944	5/8	113,352
3/4	181,504	3/4	173,914	3/4	166,324	3/4	158,735	3/4	151,145	3/4	143,555	3/4	135,966	3/4	128,376	3/4	120,786	3/4	113,194
7/8	181,346	7/8	173,756	7/8	166,166	7/8	158,577	7/8	150,987	7/8	143,397	7/8	135,807	7/8	128,218	7/8	120,628	7/8	113,035
4	181,188	10	173,598	4	166,008	10	158,418	4	150,829	10	143,239	4	135,649	10	128,060	4	120,470	10	112,877
1/8	181,029	1/8	173,440	1/8	165,850	1/8	158,260	1/8	150,671	1/8	143,081	1/8	135,491	1/8	127,901	1/8	120,311	1/8	112,719
1/4	180,871	1/4	173,282	1/4	165,692	1/4	158,102	1/4	150,512	1/4	142,923	1/4	135,333	1/4	127,743	1/4	120,153	1/4	112,561
3/8	180,713	3/8	173,123	3/8	165,534	3/8	157,944	3/8	150,354	3/8	142,765	3/8	135,175	3/8	127,585	3/8	119,995	3/8	112,403
1/2	180,555	1/2	172,965	1/2	165,376	1/2	157,786	1/2	150,196	1/2	142,607	1/2	135,017	1/2	127,427	1/2	119,837	1/2	112,244
5/8	180,397	5/8	172,807	5/8	165,218	5/8	157,628	5/8	150,038	5/8	142,448	5/8	134,859	5/8	127,269	5/8	119,679	5/8	112,086
3/4	180,239	3/4	172,649	3/4	165,059	3/4	157,470	3/4	149,880	3/4	142,290	3/4	134,701	3/4	127,111	3/4	119,520	3/4	111,928
7/8	180,081	7/8	172,491	7/8	164,901	7/8	157,312	7/8	149,722	7/8	142,132	7/8	134,542	7/8	126,953	7/8	119,362	7/8	111,770
5	179,923	11	172,333	5	164,743	11	157,153	5	149,564	11	141,974	5	134,384	11	126,795	5	119,204	11	111,612
1/8	179,764	1/8	172,175	1/8	164,585	1/8	156,995	1/8	149,406	1/8	141,816	1/8	134,226	1/8	126,637	1/8	119,046	1/8	111,454
1/4	179,606	1/4	172,017	1/4	164,427	1/4	156,837	1/4	149,248	1/4	141,658	1/4	134,068	1/4	126,478	1/4	118,888	1/4	111,295
3/8	179,448	3/8	171,859	3/8	164,269	3/8	156,679	3/8	149,089	3/8	141,500	3/8	133,910	3/8	126,320	3/8	118,730	3/8	111,137
1/2	179,290	1/2	171,700	1/2	164,111	1/2	156,521	1/2	148,931	1/2	141,342	1/2	133,752	1/2	126,162	1/2	118,571	1/2	110,979
5/8	179,132	5/8	171,542	5/8	163,953	5/8	156,363	5/8	148,773	5/8	141,183	5/8	133,594	5/8	126,004	5/8	118,413	5/8	110,821
3/4	178,974	3/4	171,384	3/4	163,794	3/4	156,205	3/4	148,615	3/4	141,025	3/4	133,436	3/4	125,846	3/4	118,255	3/4	110,663
7/8	178,816	7/8	171,226	7/8	163,636	7/8	156,047	7/8	148,457	7/8	140,867	7/8	133,278	7/8	125,688	7/8	118,097	7/8	110,505

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

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	110,346	6	102,754	0	95,162	6	87,569	0	79,977	6	72,385	0	64,792	6	57,200	0	49,608	6	42,049
1/8	110,188	1/8	102,596	1/8	95,003	1/8	87,411	1/8	79,819	1/8	72,226	1/8	64,634	1/8	57,042	1/8	49,449	1/8	41,892
1/4	110,030	1/4	102,438	1/4	94,845	1/4	87,253	1/4	79,661	1/4	72,068	1/4	64,476	1/4	56,884	1/4	49,291	1/4	41,734
3/8	109,872	3/8	102,280	3/8	94,687	3/8	87,095	3/8	79,502	3/8	71,910	3/8	64,318	3/8	56,725	3/8	49,133	3/8	41,577
1/2	109,714	1/2	102,121	1/2	94,529	1/2	86,937	1/2	79,344	1/2	71,752	1/2	64,160	1/2	56,567	1/2	48,975	1/2	41,420
5/8	109,556	5/8	101,963	5/8	94,371	5/8	86,778	5/8	79,186	5/8	71,594	5/8	64,001	5/8	56,409	5/8	48,817	5/8	41,262
3/4	109,397	3/4	101,805	3/4	94,213	3/4	86,620	3/4	79,028	3/4	71,436	3/4	63,843	3/4	56,251	3/4	48,659	3/4	41,105
7/8	109,239	7/8	101,647	7/8	94,054	7/8	86,462	7/8	78,870	7/8	71,277	7/8	63,685	7/8	56,093	7/8	48,501	7/8	40,948
1	109,081	7	101,489	1	93,896	7	86,304	1	78,712	7	71,119	1	63,527	7	55,935	1	48,342	7	40,791
1/8	108,923	1/8	101,330	1/8	93,738	1/8	86,146	1/8	78,553	1/8	70,961	1/8	63,369	1/8	55,776	1/8	48,184	1/8	40,633
1/4	108,765	1/4	101,172	1/4	93,580	1/4	85,988	1/4	78,395	1/4	70,803	1/4	63,211	1/4	55,618	1/4	48,027	1/4	40,476
3/8	108,606	3/8	101,014	3/8	93,422	3/8	85,829	3/8	78,237	3/8	70,645	3/8	63,052	3/8	55,460	3/8	47,870	3/8	40,319
1/2	108,448	1/2	100,856	1/2	93,264	1/2	85,671	1/2	78,079	1/2	70,487	1/2	62,894	1/2	55,302	1/2	47,712	1/2	40,161
5/8	108,290	5/8	100,698	5/8	93,105	5/8	85,513	5/8	77,921	5/8	70,328	5/8	62,736	5/8	55,144	5/8	47,555	5/8	40,004
3/4	108,132	3/4	100,540	3/4	92,947	3/4	85,355	3/4	77,763	3/4	70,170	3/4	62,578	3/4	54,985	3/4	47,398	3/4	39,847
7/8	107,974	7/8	100,381	7/8	92,789	7/8	85,197	7/8	77,604	7/8	70,012	7/8	62,420	7/8	54,827	7/8	47,240	7/8	39,689
2	107,816	8	100,223	2	92,631	8	85,039	2	77,446	8	69,854	2	62,261	8	54,669	2	47,083	8	39,532
1/8	107,657	1/8	100,065	1/8	92,473	1/8	84,880	1/8	77,288	1/8	69,696	1/8	62,103	1/8	54,511	1/8	46,926	1/8	39,375
1/4	107,499	1/4	99,907	1/4	92,315	1/4	84,722	1/4	77,130	1/4	69,537	1/4	61,945	1/4	54,353	1/4	46,768	1/4	39,217
3/8	107,341	3/8	99,749	3/8	92,156	3/8	84,564	3/8	76,972	3/8	69,379	3/8	61,787	3/8	54,195	3/8	46,611	3/8	39,060
1/2	107,183	1/2	99,591	1/2	91,998	1/2	84,406	1/2	76,813	1/2	69,221	1/2	61,629	1/2	54,036	1/2	46,454	1/2	38,903
5/8	107,025	5/8	99,432	5/8	91,840	5/8	84,248	5/8	76,655	5/8	69,063	5/8	61,471	5/8	53,878	5/8	46,297	5/8	38,745
3/4	106,867	3/4	99,274	3/4	91,682	3/4	84,089	3/4	76,497	3/4	68,905	3/4	61,312	3/4	53,720	3/4	46,139	3/4	38,588
7/8	106,708	7/8	99,116	7/8	91,524	7/8	83,931	7/8	76,339	7/8	68,747	7/8	61,154	7/8	53,562	7/8	45,982	7/8	38,431
3	106,550	9	98,958	3	91,365	9	83,773	3	76,181	9	68,588	3	60,996	9	53,404	3	45,825	9	38,273
1/8	106,392	1/8	98,800	1/8	91,207	1/8	83,615	1/8	76,023	1/8	68,430	1/8	60,838	1/8	53,246	1/8	45,667	1/8	38,116
1/4	106,234	1/4	98,642	1/4	91,049	1/4	83,457	1/4	75,864	1/4	68,272	1/4	60,680	1/4	53,087	1/4	45,510	1/4	37,959
3/8	106,076	3/8	98,483	3/8	90,891	3/8	83,299	3/8	75,706	3/8	68,114	3/8	60,522	3/8	52,929	3/8	45,353	3/8	37,802
1/2	105,918	1/2	98,325	1/2	90,733	1/2	83,140	1/2	75,548	1/2	67,956	1/2	60,363	1/2	52,771	1/2	45,195	1/2	37,644
5/8	105,759	5/8	98,167	5/8	90,575	5/8	82,982	5/8	75,390	5/8	67,798	5/8	60,205	5/8	52,613	5/8	45,038	5/8	37,487
3/4	105,601	3/4	98,009	3/4	90,416	3/4	82,824	3/4	75,232	3/4	67,639	3/4	60,047	3/4	52,455	3/4	44,881	3/4	37,330
7/8	105,443	7/8	97,851	7/8	90,258	7/8	82,666	7/8	75,074	7/8	67,481	7/8	59,889	7/8	52,297	7/8	44,723	7/8	37,172
4	105,285	10	97,692	4	90,100	10	82,508	4	74,915	10	67,323	4	59,731	10	52,138	4	44,566	10	37,015
1/8	105,127	1/8	97,534	1/8	89,942	1/8	82,350	1/8	74,757	1/8	67,165	1/8	59,573	1/8	51,980	1/8	44,409	1/8	36,858
1/4	104,968	1/4	97,376	1/4	89,784	1/4	82,191	1/4	74,599	1/4	67,007	1/4	59,414	1/4	51,822	1/4	44,251	1/4	36,700
3/8	104,810	3/8	97,218	3/8	89,626	3/8	82,033	3/8	74,441	3/8	66,849	3/8	59,256	3/8	51,664	3/8	44,094	3/8	36,543
1/2	104,652	1/2	97,060	1/2	89,467	1/2	81,875	1/2	74,283	1/2	66,690	1/2	59,098	1/2	51,506	1/2	43,937	1/2	36,386
5/8	104,494	5/8	96,902	5/8	89,309	5/8	81,717	5/8	74,125	5/8	66,532	5/8	58,940	5/8	51,347	5/8	43,780	5/8	36,228
3/4	104,336	3/4	96,743	3/4	89,151	3/4	81,559	3/4	73,966	3/4	66,374	3/4	58,782	3/4	51,189	3/4	43,622	3/4	36,071
7/8	104,178	7/8	96,585	7/8	88,993	7/8	81,401	7/8	73,808	7/8	66,216	7/8	58,623	7/8	51,031	7/8	43,465	7/8	35,914
5	104,019	11	96,427	5	88,835	11	81,242	5	73,650	11	66,058	5	58,465	11	50,873	5	43,308	11	35,756
1/8	103,861	1/8	96,269	1/8	88,677	1/8	81,084	1/8	73,492	1/8	65,899	1/8	58,307	1/8	50,715	1/8	43,150	1/8	35,599
1/4	103,703	1/4	96,111	1/4	88,518	1/4	80,926	1/4	73,334	1/4	65,741	1/4	58,149	1/4	50,557	1/4	42,993	1/4	35,442
3/8	103,545	3/8	95,953	3/8	88,360	3/8	80,768	3/8	73,175	3/8	65,583	3/8	57,991	3/8	50,398	3/8	42,836	3/8	35,284
1/2	103,387	1/2	95,794	1/2	88,202	1/2	80,610	1/2	73,017	1/2	65,425	1/2	57,833	1/2	50,240	1/2	42,678	1/2	35,127
5/8	103,229	5/8	95,636	5/8	88,044	5/8	80,451	5/8	72,859	5/8	65,267	5/8	57,674	5/8	50,082	5/8	42,521	5/8	34,970
3/4	103,070	3/4	95,478	3/4	87,886	3/4	80,293	3/4	72,701	3/4	65,109	3/4	57,516	3/4	49,924	3/4	42,364	3/4	34,812
7/8	102,912	7/8	95,320	7/8	87,727	7/8	80,135	7/8	72,543	7/8	64,950	7/8	57,358	7/8	49,766	7/8	42,206	7/8	34,655

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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration



ULLAGE GAUGING

GAUGE HEIGHT: 17'-3 3/8"

CAPACITIES GIVEN IN U.S. GALLONS

15 FT.		15 FT.		16 FT.		16 FT.		17 FT.		17 FT.		18 FT.		18 FT.		19 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	34,498	6	26,913	0	19,322	6	11,730	0	4,050	6		0		6		0		6	
1/8	34,340	1/8	26,755	1/8	19,163	1/8	11,572	1/8	3,888	1/8		1/8		1/8		1/8		1/8	
1/4	34,183	1/4	26,597	1/4	19,005	1/4	11,414	1/4	3,730	1/4		1/4		1/4		1/4		1/4	
3/8	34,026	3/8	26,439	3/8	18,847	3/8	11,256	3/8	3,575	3/8		3/8		3/8		3/8		3/8	
1/2	33,868	1/2	26,280	1/2	18,689	1/2	11,097	1/2	3,424	1/2		1/2		1/2		1/2		1/2	
5/8	33,711	5/8	26,122	5/8	18,531	5/8	10,939	5/8	3,275	5/8		5/8		5/8		5/8		5/8	
3/4	33,553	3/4	25,964	3/4	18,373	3/4	10,781	3/4	3,130	3/4		3/4		3/4		3/4		3/4	
7/8	33,396	7/8	25,806	7/8	18,215	7/8	10,623	7/8	2,989	7/8		7/8		7/8		7/8		7/8	
1	33,239	7	25,648	1	18,056	7	10,465	1	2,850	7		1		7		1		7	
1/8	33,081	1/8	25,490	1/8	17,898	1/8	10,307	1/8	2,715	1/8		1/8		1/8		1/8		1/8	
1/4	32,923	1/4	25,332	1/4	17,740	1/4	10,149	1/4	2,583	1/4		1/4		1/4		1/4		1/4	
3/8	32,765	3/8	25,173	3/8	17,582	3/8	9,990	3/8	2,455	3/8		3/8		3/8		3/8		3/8	
1/2	32,607	1/2	25,015	1/2	17,424	1/2	9,832	1/2	2,330	1/2		1/2		1/2		1/2		1/2	
5/8	32,449	5/8	24,857	5/8	17,266	5/8	9,674	5/8	2,208	5/8		5/8		5/8		5/8		5/8	
3/4	32,290	3/4	24,699	3/4	17,107	3/4	9,516	3/4	2,089	3/4		3/4		3/4		3/4		3/4	
7/8	32,132	7/8	24,541	7/8	16,949	7/8	9,358	7/8	1,974	7/8		7/8		7/8		7/8		7/8	
2	31,974	8	24,383	2	16,791	8	9,200	2	1,862	8		2		8		2		8	
1/8	31,816	1/8	24,224	1/8	16,633	1/8	9,041	1/8	1,753	1/8		1/8		1/8		1/8		1/8	
1/4	31,658	1/4	24,066	1/4	16,475	1/4	8,883	1/4	1,648	1/4		1/4		1/4		1/4		1/4	
3/8	31,500	3/8	23,908	3/8	16,317	3/8	8,725	3/8	1,546	3/8		3/8		3/8		3/8		3/8	
1/2	31,341	1/2	23,750	1/2	16,158	1/2	8,567	1/2	1,447	1/2		1/2		1/2		1/2		1/2	
5/8	31,183	5/8	23,592	5/8	16,000	5/8	8,409	5/8	1,351	5/8		5/8		5/8		5/8		5/8	
3/4	31,025	3/4	23,434	3/4	15,842	3/4	8,251	3/4	1,259	3/4		3/4		3/4		3/4		3/4	
7/8	30,867	7/8	23,276	7/8	15,684	7/8	8,092	7/8	1,170	7/8		7/8		7/8		7/8		7/8	
3	30,709	9	23,117	3	15,526	9	7,934	3	1,085	9		3		9		3		9	
1/8	30,551	1/8	22,959	1/8	15,368	1/8	7,776	1/8	1,002	1/8		1/8		1/8		1/8		1/8	
1/4	30,393	1/4	22,801	1/4	15,210	1/4	7,618	1/4	923	1/4		1/4		1/4		1/4		1/4	
3/8	30,234	3/8	22,643	3/8	15,051	3/8	7,460	3/8	847	3/8		3/8		3/8		3/8		3/8	
1/2	30,076	1/2	22,485	1/2	14,893	1/2	7,302	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	29,918	5/8	22,327	5/8	14,735	5/8	7,144	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	29,760	3/4	22,168	3/4	14,577	3/4	6,985	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	29,602	7/8	22,010	7/8	14,419	7/8	6,827	7/8		7/8		7/8		7/8		7/8		7/8	
4	29,444	10	21,852	4	14,261	10	6,669	4		10		4		10		4		10	
1/8	29,285	1/8	21,694	1/8	14,102	1/8	6,511	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	29,127	1/4	21,536	1/4	13,944	1/4	6,353	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	28,969	3/8	21,378	3/8	13,786	3/8	6,195	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	28,811	1/2	21,219	1/2	13,628	1/2	6,036	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	28,653	5/8	21,061	5/8	13,470	5/8	5,878	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	28,495	3/4	20,903	3/4	13,312	3/4	5,720	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	28,337	7/8	20,745	7/8	13,153	7/8	5,562	7/8		7/8		7/8		7/8		7/8		7/8	
5	28,178	11	20,587	5	12,995	11	5,404	5		11		5		11		5		11	
1/8	28,020	1/8	20,429	1/8	12,837	1/8	5,246	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	27,862	1/4	20,271	1/4	12,679	1/4	5,088	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	27,704	3/8	20,112	3/8	12,521	3/8	4,906	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	27,546	1/2	19,954	1/2	12,363	1/2	4,728	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	27,388	5/8	19,796	5/8	12,205	5/8	4,554	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	27,229	3/4	19,638	3/4	12,046	3/4	4,382	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	27,071	7/8	19,480	7/8	11,888	7/8	4,214	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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

ULLAGE GAUGING

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 5/8"

0 FT.		1 FT.		1 FT.		2 FT.		2 FT.		3 FT.		3 FT.		4 FT.		4 FT.	
IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.
0	6	0	6	0	6	0	6	0	6	0	6	0	6	0	6	0	6
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
1	7	1	7	1	7	1	7	1	7	1	7	1	7	1	7	1	7
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
2	8	2	8	2	8	2	8	2	8	2	8	2	8	2	8	2	8
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
3	9	3	9	3	9	3	9	3	9	3	9	3	9	3	9	3	9
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
4	10	4	10	4	10	4	10	4	10	4	10	4	10	4	10	4	10
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
5	11	5	11	5	11	5	11	5	11	5	11	5	11	5	11	5	11
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	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 (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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration



MOC 17

TANK NO. 3 PORT

Conrad Shipbuilding: Hull # C-967
ULLAGE GAUGING

HERMETIC ULLAGE TABLE

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 5/8"

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	168,416	6	164,354	0	160,293	6	156,232	0	152,171	6	148,110	0	140,758	6	133,187	0	125,616	6	118,044
1/8	168,331	1/8	164,270	1/8	160,209	1/8	156,148	1/8	152,086	1/8	148,025	1/8	140,600	1/8	133,029	1/8	125,458	1/8	117,886
1/4	168,246	1/4	164,185	1/4	160,124	1/4	156,063	1/4	152,002	1/4	147,941	1/4	140,443	1/4	132,872	1/4	125,300	1/4	117,728
3/8	168,162	3/8	164,101	3/8	160,039	3/8	155,978	3/8	151,917	3/8	147,856	3/8	140,285	3/8	132,714	3/8	125,143	3/8	117,570
1/2	168,077	1/2	164,016	1/2	159,955	1/2	155,894	1/2	151,833	1/2	147,698	1/2	140,127	1/2	132,556	1/2	124,985	1/2	117,413
5/8	167,993	5/8	163,931	5/8	159,870	5/8	155,809	5/8	151,748	5/8	147,541	5/8	139,969	5/8	132,398	5/8	124,827	5/8	117,255
3/4	167,908	3/4	163,847	3/4	159,786	3/4	155,725	3/4	151,663	3/4	147,383	3/4	139,812	3/4	132,241	3/4	124,670	3/4	117,097
7/8	167,823	7/8	163,762	7/8	159,701	7/8	155,640	7/8	151,579	7/8	147,225	7/8	139,654	7/8	132,083	7/8	124,512	7/8	116,939
1	167,739	7	163,678	1	159,616	7	155,555	1	151,494	7	147,067	1	139,496	7	131,925	1	124,354	7	116,781
1/8	167,654	1/8	163,593	1/8	159,532	1/8	155,471	1/8	151,410	1/8	146,910	1/8	139,339	1/8	131,767	1/8	124,196	1/8	116,624
1/4	167,570	1/4	163,508	1/4	159,447	1/4	155,386	1/4	151,325	1/4	146,752	1/4	139,181	1/4	131,610	1/4	124,039	1/4	116,466
3/8	167,485	3/8	163,424	3/8	159,363	3/8	155,301	3/8	151,240	3/8	146,594	3/8	139,023	3/8	131,452	3/8	123,881	3/8	116,308
1/2	167,400	1/2	163,339	1/2	159,278	1/2	155,217	1/2	151,156	1/2	146,436	1/2	138,865	1/2	131,294	1/2	123,723	1/2	116,150
5/8	167,316	5/8	163,255	5/8	159,193	5/8	155,132	5/8	151,071	5/8	146,279	5/8	138,708	5/8	131,137	5/8	123,565	5/8	115,992
3/4	167,231	3/4	163,170	3/4	159,109	3/4	155,048	3/4	150,987	3/4	146,121	3/4	138,550	3/4	130,979	3/4	123,408	3/4	115,835
7/8	167,146	7/8	163,085	7/8	159,024	7/8	154,963	7/8	150,902	7/8	145,963	7/8	138,392	7/8	130,821	7/8	123,250	7/8	115,677
2	167,062	8	163,001	2	158,940	8	154,878	2	150,817	8	145,806	2	138,234	8	130,663	2	123,092	8	115,519
1/8	166,977	1/8	162,916	1/8	158,855	1/8	154,794	1/8	150,733	1/8	145,648	1/8	138,077	1/8	130,506	1/8	122,934	1/8	115,361
1/4	166,893	1/4	162,832	1/4	158,770	1/4	154,709	1/4	150,648	1/4	145,490	1/4	137,919	1/4	130,348	1/4	122,777	1/4	115,203
3/8	166,808	3/8	162,747	3/8	158,686	3/8	154,625	3/8	150,563	3/8	145,332	3/8	137,761	3/8	130,190	3/8	122,619	3/8	115,046
1/2	166,723	1/2	162,662	1/2	158,601	1/2	154,540	1/2	150,479	1/2	145,175	1/2	137,604	1/2	130,032	1/2	122,461	1/2	114,888
5/8	166,639	5/8	162,578	5/8	158,517	5/8	154,455	5/8	150,394	5/8	145,017	5/8	137,446	5/8	129,875	5/8	122,304	5/8	114,730
3/4	166,554	3/4	162,493	3/4	158,432	3/4	154,371	3/4	150,310	3/4	144,859	3/4	137,288	3/4	129,717	3/4	122,146	3/4	114,572
7/8	166,470	7/8	162,408	7/8	158,347	7/8	154,286	7/8	150,225	7/8	144,701	7/8	137,130	7/8	129,559	7/8	121,988	7/8	114,415
3	166,385	9	162,324	3	158,263	9	154,202	3	150,140	9	144,544	3	136,973	9	129,401	3	121,830	9	114,257
1/8	166,300	1/8	162,239	1/8	158,178	1/8	154,117	1/8	150,056	1/8	144,386	1/8	136,815	1/8	129,244	1/8	121,673	1/8	114,099
1/4	166,216	1/4	162,155	1/4	158,094	1/4	154,032	1/4	149,971	1/4	144,228	1/4	136,657	1/4	129,086	1/4	121,515	1/4	113,941
3/8	166,131	3/8	162,070	3/8	158,009	3/8	153,948	3/8	149,887	3/8	144,071	3/8	136,499	3/8	128,928	3/8	121,357	3/8	113,783
1/2	166,047	1/2	161,985	1/2	157,924	1/2	153,863	1/2	149,802	1/2	143,913	1/2	136,342	1/2	128,771	1/2	121,199	1/2	113,626
5/8	165,962	5/8	161,901	5/8	157,840	5/8	153,779	5/8	149,717	5/8	143,755	5/8	136,184	5/8	128,613	5/8	121,042	5/8	113,468
3/4	165,877	3/4	161,816	3/4	157,755	3/4	153,694	3/4	149,633	3/4	143,597	3/4	136,026	3/4	128,455	3/4	120,884	3/4	113,310
7/8	165,793	7/8	161,732	7/8	157,670	7/8	153,609	7/8	149,548	7/8	143,440	7/8	135,868	7/8	128,297	7/8	120,726	7/8	113,152
4	165,708	10	161,647	4	157,586	10	153,525	4	149,464	10	143,282	4	135,711	10	128,140	4	120,568	10	112,994
1/8	165,624	1/8	161,562	1/8	157,501	1/8	153,440	1/8	149,379	1/8	143,124	1/8	135,553	1/8	127,982	1/8	120,410	1/8	112,837
1/4	165,539	1/4	161,478	1/4	157,417	1/4	153,356	1/4	149,294	1/4	142,966	1/4	135,395	1/4	127,824	1/4	120,253	1/4	112,679
3/8	165,454	3/8	161,393	3/8	157,332	3/8	153,271	3/8	149,210	3/8	142,809	3/8	135,238	3/8	127,666	3/8	120,095	3/8	112,521
1/2	165,370	1/2	161,309	1/2	157,247	1/2	153,186	1/2	149,125	1/2	142,651	1/2	135,080	1/2	127,509	1/2	119,937	1/2	112,363
5/8	165,285	5/8	161,224	5/8	157,163	5/8	153,102	5/8	149,041	5/8	142,493	5/8	134,922	5/8	127,351	5/8	119,779	5/8	112,206
3/4	165,201	3/4	161,139	3/4	157,078	3/4	153,017	3/4	148,956	3/4	142,335	3/4	134,764	3/4	127,193	3/4	119,622	3/4	112,048
7/8	165,116	7/8	161,055	7/8	156,994	7/8	152,932	7/8	148,871	7/8	142,178	7/8	134,607	7/8	127,036	7/8	119,464	7/8	111,890
5	165,031	11	160,970	5	156,909	11	152,848	5	148,787	11	142,020	5	134,449	11	126,878	5	119,306	11	111,732
1/8	164,947	1/8	160,886	1/8	156,824	1/8	152,763	1/8	148,702	1/8	141,862	1/8	134,291	1/8	126,720	1/8	119,148	1/8	111,574
1/4	164,862	1/4	160,801	1/4	156,740	1/4	152,679	1/4	148,618	1/4	141,705	1/4	134,133	1/4	126,562	1/4	118,990	1/4	111,417
3/8	164,777	3/8	160,716	3/8	156,655	3/8	152,594	3/8	148,533	3/8	141,547	3/8	133,976	3/8	126,405	3/8	118,833	3/8	111,259
1/2	164,693	1/2	160,632	1/2	156,571	1/2	152,509	1/2	148,448	1/2	141,389	1/2	133,818	1/2	126,247	1/2	118,675	1/2	111,101
5/8	164,608	5/8	160,547	5/8	156,486	5/8	152,425	5/8	148,364	5/8	141,231	5/8	133,660	5/8	126,089	5/8	118,517	5/8	110,943
3/4	164,524	3/4	160,463	3/4	156,401	3/4	152,340	3/4	148,279	3/4	141,074	3/4	133,502	3/4	125,931	3/4	118,359	3/4	110,785
7/8	164,439	7/8	160,378	7/8	156,317	7/8	152,256	7/8	148,194	7/8	140,916	7/8	133,345	7/8	125,774	7/8	118,201	7/8	110,628

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

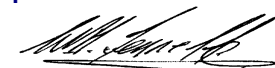
THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration





MOC 17

TANK NO. 3 PORT

Conrad Shipbuilding: Hull # C-967
ULLAGE GAUGING

HERMETIC ULLAGE TABLE

CAPACITIES GIVEN IN U.S. GALLONS

GAUGE HEIGHT: 17'-3 5/8"

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	110,470	6	102,896	0	95,322	6	87,749	0	80,175	6	72,601	0	65,027	6	57,454	0	49,880	6	42,308
1/8	110,312	1/8	102,738	1/8	95,165	1/8	87,591	1/8	80,017	1/8	72,443	1/8	64,870	1/8	57,296	1/8	49,722	1/8	42,150
1/4	110,154	1/4	102,581	1/4	95,007	1/4	87,433	1/4	79,859	1/4	72,285	1/4	64,712	1/4	57,138	1/4	49,564	1/4	41,993
3/8	109,997	3/8	102,423	3/8	94,849	3/8	87,275	3/8	79,701	3/8	72,128	3/8	64,554	3/8	56,980	3/8	49,406	3/8	41,835
1/2	109,839	1/2	102,265	1/2	94,691	1/2	87,117	1/2	79,544	1/2	71,970	1/2	64,396	1/2	56,822	1/2	49,249	1/2	41,677
5/8	109,681	5/8	102,107	5/8	94,533	5/8	86,960	5/8	79,386	5/8	71,812	5/8	64,238	5/8	56,665	5/8	49,091	5/8	41,519
3/4	109,523	3/4	101,949	3/4	94,376	3/4	86,802	3/4	79,228	3/4	71,654	3/4	64,081	3/4	56,507	3/4	48,933	3/4	41,362
7/8	109,365	7/8	101,792	7/8	94,218	7/8	86,644	7/8	79,070	7/8	71,497	7/8	63,923	7/8	56,349	7/8	48,775	7/8	41,204
1	109,208	7	101,634	1	94,060	7	86,486	1	78,913	7	71,339	1	63,765	7	56,191	1	48,618	7	41,046
1/8	109,050	1/8	101,476	1/8	93,902	1/8	86,329	1/8	78,755	1/8	71,181	1/8	63,607	1/8	56,033	1/8	48,460	1/8	40,888
1/4	108,892	1/4	101,318	1/4	93,744	1/4	86,171	1/4	78,597	1/4	71,023	1/4	63,449	1/4	55,876	1/4	48,302	1/4	40,731
3/8	108,734	3/8	101,160	3/8	93,587	3/8	86,013	3/8	78,439	3/8	70,865	3/8	63,292	3/8	55,718	3/8	48,144	3/8	40,573
1/2	108,576	1/2	101,003	1/2	93,429	1/2	85,855	1/2	78,281	1/2	70,708	1/2	63,134	1/2	55,560	1/2	47,987	1/2	40,415
5/8	108,419	5/8	100,845	5/8	93,271	5/8	85,697	5/8	78,124	5/8	70,550	5/8	62,976	5/8	55,402	5/8	47,829	5/8	40,257
3/4	108,261	3/4	100,687	3/4	93,113	3/4	85,540	3/4	77,966	3/4	70,392	3/4	62,818	3/4	55,245	3/4	47,671	3/4	40,100
7/8	108,103	7/8	100,529	7/8	92,956	7/8	85,382	7/8	77,808	7/8	70,234	7/8	62,660	7/8	55,087	7/8	47,514	7/8	39,942
2	107,945	8	100,372	2	92,798	8	85,224	2	77,650	8	70,076	2	62,503	8	54,929	2	47,356	8	39,784
1/8	107,788	1/8	100,214	1/8	92,640	1/8	85,066	1/8	77,492	1/8	69,919	1/8	62,345	1/8	54,771	1/8	47,198	1/8	39,626
1/4	107,630	1/4	100,056	1/4	92,482	1/4	84,908	1/4	77,335	1/4	69,761	1/4	62,187	1/4	54,613	1/4	47,040	1/4	39,469
3/8	107,472	3/8	99,898	3/8	92,324	3/8	84,751	3/8	77,177	3/8	69,603	3/8	62,029	3/8	54,456	3/8	46,883	3/8	39,311
1/2	107,314	1/2	99,740	1/2	92,167	1/2	84,593	1/2	77,019	1/2	69,445	1/2	61,872	1/2	54,298	1/2	46,725	1/2	39,153
5/8	107,156	5/8	99,583	5/8	92,009	5/8	84,435	5/8	76,861	5/8	69,288	5/8	61,714	5/8	54,140	5/8	46,567	5/8	38,995
3/4	106,999	3/4	99,425	3/4	91,851	3/4	84,277	3/4	76,704	3/4	69,130	3/4	61,556	3/4	53,982	3/4	46,409	3/4	38,838
7/8	106,841	7/8	99,267	7/8	91,693	7/8	84,119	7/8	76,546	7/8	68,972	7/8	61,398	7/8	53,824	7/8	46,252	7/8	38,680
3	106,683	9	99,109	3	91,535	9	83,962	3	76,388	9	68,814	3	61,240	9	53,667	3	46,094	9	38,522
1/8	106,525	1/8	98,951	1/8	91,378	1/8	83,804	1/8	76,230	1/8	68,656	1/8	61,083	1/8	53,509	1/8	45,936	1/8	38,364
1/4	106,367	1/4	98,794	1/4	91,220	1/4	83,646	1/4	76,072	1/4	68,499	1/4	60,925	1/4	53,351	1/4	45,778	1/4	38,207
3/8	106,210	3/8	98,636	3/8	91,062	3/8	83,488	3/8	75,915	3/8	68,341	3/8	60,767	3/8	53,193	3/8	45,621	3/8	38,049
1/2	106,052	1/2	98,478	1/2	90,904	1/2	83,331	1/2	75,757	1/2	68,183	1/2	60,609	1/2	53,036	1/2	45,463	1/2	37,891
5/8	105,894	5/8	98,320	5/8	90,747	5/8	83,173	5/8	75,599	5/8	68,025	5/8	60,451	5/8	52,878	5/8	45,305	5/8	37,733
3/4	105,736	3/4	98,163	3/4	90,589	3/4	83,015	3/4	75,441	3/4	67,867	3/4	60,294	3/4	52,720	3/4	45,147	3/4	37,576
7/8	105,578	7/8	98,005	7/8	90,431	7/8	82,857	7/8	75,283	7/8	67,710	7/8	60,136	7/8	52,562	7/8	44,990	7/8	37,418
4	105,421	10	97,847	4	90,273	10	82,699	4	75,126	10	67,552	4	59,978	10	52,404	4	44,832	10	37,260
1/8	105,263	1/8	97,689	1/8	90,115	1/8	82,542	1/8	74,968	1/8	67,394	1/8	59,820	1/8	52,247	1/8	44,674	1/8	37,103
1/4	105,105	1/4	97,531	1/4	89,958	1/4	82,384	1/4	74,810	1/4	67,236	1/4	59,663	1/4	52,089	1/4	44,516	1/4	36,945
3/8	104,947	3/8	97,374	3/8	89,800	3/8	82,226	3/8	74,652	3/8	67,079	3/8	59,505	3/8	51,931	3/8	44,359	3/8	36,787
1/2	104,790	1/2	97,216	1/2	89,642	1/2	82,068	1/2	74,495	1/2	66,921	1/2	59,347	1/2	51,773	1/2	44,201	1/2	36,629
5/8	104,632	5/8	97,058	5/8	89,484	5/8	81,910	5/8	74,337	5/8	66,763	5/8	59,189	5/8	51,615	5/8	44,043	5/8	36,471
3/4	104,474	3/4	96,900	3/4	89,326	3/4	81,753	3/4	74,179	3/4	66,605	3/4	59,031	3/4	51,458	3/4	43,885	3/4	36,314
7/8	104,316	7/8	96,742	7/8	89,169	7/8	81,595	7/8	74,021	7/8	66,447	7/8	58,874	7/8	51,300	7/8	43,728	7/8	36,156
5	104,158	11	96,585	5	89,011	11	81,437	5	73,863	11	66,290	5	58,716	11	51,142	5	43,570	11	35,998
1/8	104,001	1/8	96,427	1/8	88,853	1/8	81,279	1/8	73,706	1/8	66,132	1/8	58,558	1/8	50,984	1/8	43,412	1/8	35,840
1/4	103,843	1/4	96,269	1/4	88,695	1/4	81,122	1/4	73,548	1/4	65,974	1/4	58,400	1/4	50,826	1/4	43,254	1/4	35,683
3/8	103,685	3/8	96,111	3/8	88,538	3/8	80,964	3/8	73,390	3/8	65,816	3/8	58,242	3/8	50,669	3/8	43,097	3/8	35,525
1/2	103,527	1/2	95,954	1/2	88,380	1/2	80,806	1/2	73,232	1/2	65,658	1/2	58,085	1/2	50,511	1/2	42,939	1/2	35,367
5/8	103,369	5/8	95,796	5/8	88,222	5/8	80,648	5/8	73,074	5/8	65,501	5/8	57,927	5/8	50,353	5/8	42,781	5/8	35,209
3/4	103,212	3/4	95,638	3/4	88,064	3/4	80,490	3/4	72,917	3/4	65,343	3/4	57,769	3/4	50,195	3/4	42,624	3/4	35,051
7/8	103,054	7/8	95,480	7/8	87,906	7/8	80,333	7/8	72,759	7/8	65,185	7/8	57,611	7/8	50,038	7/8	42,466	7/8	34,894

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

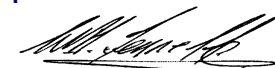
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DATE STRAPPED: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration



ULLAGE GAUGING

Gauge Height: 17'-3 5/8"

CAPACITIES GIVEN IN U.S. GALLONS

15 FT.		15 FT.		16 FT.		16 FT.		17 FT.		17 FT.		18 FT.		18 FT.		19 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	34,736	6	27,163	0	19,590	6	12,017	0	4,372	6	17 FT.	0	18 FT.	6	18 FT.	0	19 FT.	6	19 FT.
1/8	34,578	1/8	27,005	1/8	19,432	1/8	11,859	1/8	4,204	1/8		1/8		1/8		1/8		1/8	
1/4	34,420	1/4	26,847	1/4	19,274	1/4	11,701	1/4	4,040	1/4		1/4		1/4		1/4		1/4	
3/8	34,263	3/8	26,689	3/8	19,117	3/8	11,544	3/8	3,879	3/8		3/8		3/8		3/8		3/8	
1/2	34,105	1/2	26,532	1/2	18,959	1/2	11,386	1/2	3,721	1/2		1/2		1/2		1/2		1/2	
5/8	33,947	5/8	26,374	5/8	18,801	5/8	11,228	5/8	3,566	5/8		5/8		5/8		5/8		5/8	
3/4	33,789	3/4	26,216	3/4	18,643	3/4	11,070	3/4	3,415	3/4		3/4		3/4		3/4		3/4	
7/8	33,631	7/8	26,058	7/8	18,485	7/8	10,913	7/8	3,267	7/8		7/8		7/8		7/8		7/8	
1	33,474	7	25,901	1	18,328	7	10,755	1	3,123	7		1		7		1		7	
1/8	33,316	1/8	25,743	1/8	18,170	1/8	10,597	1/8	2,981	1/8		1/8		1/8		1/8		1/8	
1/4	33,158	1/4	25,585	1/4	18,012	1/4	10,439	1/4	2,843	1/4		1/4		1/4		1/4		1/4	
3/8	33,000	3/8	25,427	3/8	17,854	3/8	10,281	3/8	2,709	3/8		3/8		3/8		3/8		3/8	
1/2	32,843	1/2	25,270	1/2	17,697	1/2	10,124	1/2	2,577	1/2		1/2		1/2		1/2		1/2	
5/8	32,685	5/8	25,112	5/8	17,539	5/8	9,966	5/8	2,449	5/8		5/8		5/8		5/8		5/8	
3/4	32,527	3/4	24,954	3/4	17,381	3/4	9,808	3/4	2,324	3/4		3/4		3/4		3/4		3/4	
7/8	32,369	7/8	24,796	7/8	17,223	7/8	9,650	7/8	2,202	7/8		7/8		7/8		7/8		7/8	
2	32,211	8	24,638	2	17,066	8	9,493	2	2,084	8		2		8		2		8	
1/8	32,054	1/8	24,481	1/8	16,908	1/8	9,335	1/8	1,969	1/8		1/8		1/8		1/8		1/8	
1/4	31,896	1/4	24,323	1/4	16,750	1/4	9,177	1/4	1,857	1/4		1/4		1/4		1/4		1/4	
3/8	31,738	3/8	24,165	3/8	16,592	3/8	9,019	3/8	1,749	3/8		3/8		3/8		3/8		3/8	
1/2	31,580	1/2	24,007	1/2	16,434	1/2	8,862	1/2	1,644	1/2		1/2		1/2		1/2		1/2	
5/8	31,423	5/8	23,850	5/8	16,277	5/8	8,704	5/8	1,542	5/8		5/8		5/8		5/8		5/8	
3/4	31,265	3/4	23,692	3/4	16,119	3/4	8,546	3/4	1,443	3/4		3/4		3/4		3/4		3/4	
7/8	31,107	7/8	23,534	7/8	15,961	7/8	8,388	7/8	1,348	7/8		7/8		7/8		7/8		7/8	
3	30,949	9	23,376	3	15,803	9	8,230	3	1,256	9		3		9		3		9	
1/8	30,791	1/8	23,219	1/8	15,646	1/8	8,073	1/8	1,167	1/8		1/8		1/8		1/8		1/8	
1/4	30,634	1/4	23,061	1/4	15,488	1/4	7,915	1/4	1,082	1/4		1/4		1/4		1/4		1/4	
3/8	30,476	3/8	22,903	3/8	15,330	3/8	7,757	3/8	1,000	3/8		3/8		3/8		3/8		3/8	
1/2	30,318	1/2	22,745	1/2	15,172	1/2	7,599	1/2	921	1/2		1/2		1/2		1/2		1/2	
5/8	30,160	5/8	22,587	5/8	15,015	5/8	7,442	5/8	845	5/8		5/8		5/8		5/8		5/8	
3/4	30,003	3/4	22,430	3/4	14,857	3/4	7,284	3/4	760	3/4		3/4		3/4		3/4		3/4	
7/8	29,845	7/8	22,272	7/8	14,699	7/8	7,126	7/8	685	7/8		7/8		7/8		7/8		7/8	
4	29,687	10	22,114	4	14,541	10	6,968	4		10		4		10		4		10	
1/8	29,529	1/8	21,956	1/8	14,383	1/8	6,811	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	29,372	1/4	21,799	1/4	14,226	1/4	6,653	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	29,214	3/8	21,641	3/8	14,068	3/8	6,495	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	29,056	1/2	21,483	1/2	13,910	1/2	6,337	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	28,898	5/8	21,325	5/8	13,752	5/8	6,179	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	28,740	3/4	21,168	3/4	13,595	3/4	6,022	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	28,583	7/8	21,010	7/8	13,437	7/8	5,864	7/8		7/8		7/8		7/8		7/8		7/8	
5	28,425	11	20,852	5	13,279	11	5,706	5		11		5		11		5		11	
1/8	28,267	1/8	20,694	1/8	13,121	1/8	5,548	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	28,109	1/4	20,536	1/4	12,964	1/4	5,391	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	27,952	3/8	20,379	3/8	12,806	3/8	5,233	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	27,794	1/2	20,221	1/2	12,648	1/2	5,075	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	27,636	5/8	20,063	5/8	12,490	5/8	4,919	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	27,478	3/4	19,905	3/4	12,332	3/4	4,761	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	27,321	7/8	19,748	7/8	12,175	7/8	4,603	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: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration

ULLAGE GAUGING

GAUGE HEIGHT: 17'-3 3/8"

CAPACITIES GIVEN IN U.S. GALLONS

0 FT.		1 FT.		1 FT.		2 FT.		2 FT.		3 FT.		3 FT.		4 FT.		4 FT.	
IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.	IN	FT.
0	6	0	6	0	6	0	6	0	6	0	6	0	6	0	6	0	6
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	187,408	1/8	184,350	1/8	180,318	1/8	176,286	1/8	172,226
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	187,381	1/4	184,266	1/4	180,234	1/4	176,202	1/4	172,141
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	187,353	3/8	184,181	3/8	180,150	3/8	176,118	3/8	172,056
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	187,323	1/2	184,097	1/2	180,066	1/2	176,033	1/2	171,972
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	187,292	5/8	184,013	5/8	179,982	5/8	175,948	5/8	171,887
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	187,258	3/4	183,929	3/4	179,898	3/4	175,864	3/4	171,803
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	187,223	7/8	183,845	7/8	179,814	7/8	175,779	7/8	171,718
1	7	1	7	1	7	1	7	1	187,186	7/8	183,761	7/8	179,730	7/8	175,695	7/8	171,633
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	187,148	1	183,677	1	179,646	1	175,610	1	171,549
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	187,107	1/8	183,593	1/8	179,562	1/8	175,525	1/8	171,464
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	187,065	1/4	183,509	1/4	179,478	1/4	175,441	1/4	171,380
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	187,021	3/8	183,425	3/8	179,394	3/8	175,356	3/8	171,295
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	186,976	1/2	183,341	1/2	179,310	1/2	175,272	1/2	171,210
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	186,928	5/8	183,257	5/8	179,226	5/8	175,187	5/8	171,126
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	186,879	3/4	183,173	3/4	179,142	3/4	175,102	3/4	171,041
2	8	2	8	2	8	2	8	2	186,828	7/8	183,089	7/8	179,058	7/8	175,018	7/8	170,957
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	186,775	2	183,005	2	178,974	2	174,933	2	170,872
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	186,721	1/8	182,921	1/8	178,890	1/8	174,848	1/8	170,787
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	186,665	1/4	182,837	1/4	178,806	1/4	174,764	1/4	170,703
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	186,607	3/8	182,753	3/8	178,722	3/8	174,679	3/8	170,618
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	186,547	1/2	182,669	1/2	178,638	1/2	174,595	1/2	170,534
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	186,485	5/8	182,585	5/8	178,554	5/8	174,510	5/8	170,449
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	186,422	3/4	182,501	3/4	178,470	3/4	174,425	3/4	170,364
3	9	3	9	3	9	3	9	3	186,357	7/8	182,417	7/8	178,386	7/8	174,341	7/8	170,280
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	186,290	3	182,333	3	178,302	3	174,256	3	170,195
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	186,222	1/8	182,249	1/8	178,218	1/8	174,172	1/8	170,110
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	186,151	1/4	182,165	1/4	178,134	1/4	174,087	1/4	170,026
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	186,079	3/8	182,081	3/8	178,050	3/8	174,002	3/8	169,941
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	186,005	1/2	181,997	1/2	177,966	1/2	173,918	1/2	169,857
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	185,930	5/8	181,913	5/8	177,882	5/8	173,833	5/8	169,772
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	185,852	3/4	181,829	3/4	177,798	3/4	173,749	3/4	169,687
4	10	4	10	4	10	4	10	4	185,773	7/8	181,745	7/8	177,714	7/8	173,664	7/8	169,603
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	185,692	4	181,661	4	177,630	4	173,579	4	169,518
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	185,599	1/8	181,577	1/8	177,546	1/8	173,495	1/8	169,434
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	185,526	1/4	181,493	1/4	177,462	1/4	173,410	1/4	169,349
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	185,442	3/8	181,409	3/8	177,378	3/8	173,326	3/8	169,264
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	185,358	1/2	181,325	1/2	177,294	1/2	173,241	1/2	169,180
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	185,274	5/8	181,242	5/8	177,210	5/8	173,156	5/8	169,095
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	185,190	3/4	181,158	3/4	177,126	3/4	173,072	3/4	169,011
5	11	5	11	5	11	5	11	5	185,106	7/8	181,074	7/8	177,042	7/8	172,987	7/8	168,926
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	185,559	5	180,990	5	176,958	5	172,903	5	168,841
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	185,546	1/8	180,906	1/8	176,874	1/8	172,818	1/8	168,757
3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	185,532	1/4	180,822	1/4	176,790	1/4	172,733	1/4	168,672
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	185,516	3/8	180,738	3/8	176,706	3/8	172,649	3/8	168,588
5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	185,498	1/2	180,654	1/2	176,622	1/2	172,564	1/2	168,503
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	185,478	5/8	180,570	5/8	176,538	5/8	172,479	5/8	168,418
7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	185,456	3/4	180,486	3/4	176,454	3/4	172,395	3/4	168,334
									185,433	7/8	180,402	7/8	176,370	7/8	172,310	7/8	168,249

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

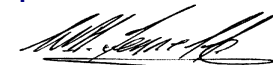
OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration





MOC 17

TANK NO. 3 STBD

Conrad Shipbuilding: Hull # C-967
ULLAGE GAUGING

HERMETIC ULLAGE TABLE

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	168,165	6	164,103	0	160,042	6	155,981	0	151,920	6	147,859	0	140,361	6	132,790	0	125,219	6	117,646
1/8	168,080	1/8	164,019	1/8	159,958	1/8	155,897	1/8	151,835	1/8	147,774	1/8	140,203	1/8	132,632	1/8	125,061	1/8	117,489
1/4	167,995	1/4	163,934	1/4	159,873	1/4	155,812	1/4	151,751	1/4	147,617	1/4	140,045	1/4	132,474	1/4	124,903	1/4	117,331
3/8	167,911	3/8	163,850	3/8	159,788	3/8	155,727	3/8	151,666	3/8	147,459	3/8	139,888	3/8	132,317	3/8	124,746	3/8	117,173
1/2	167,826	1/2	163,765	1/2	159,704	1/2	155,643	1/2	151,582	1/2	147,301	1/2	139,730	1/2	132,159	1/2	124,588	1/2	117,015
5/8	167,741	5/8	163,680	5/8	159,619	5/8	155,558	5/8	151,497	5/8	147,143	5/8	139,572	5/8	132,001	5/8	124,430	5/8	116,857
3/4	167,657	3/4	163,596	3/4	159,535	3/4	155,474	3/4	151,412	3/4	146,986	3/4	139,415	3/4	131,843	3/4	124,272	3/4	116,700
7/8	167,572	7/8	163,511	7/8	159,450	7/8	155,389	7/8	151,328	7/8	146,828	7/8	139,257	7/8	131,686	7/8	124,115	7/8	116,542
1	167,488	7	163,427	1	159,365	7	155,304	1	151,243	7	146,670	1	139,099	7	131,528	1	123,957	7	116,384
1/8	167,403	1/8	163,342	1/8	159,281	1/8	155,220	1/8	151,159	1/8	146,512	1/8	138,941	1/8	131,370	1/8	123,799	1/8	116,226
1/4	167,318	1/4	163,257	1/4	159,196	1/4	155,135	1/4	151,074	1/4	146,355	1/4	138,784	1/4	131,213	1/4	123,641	1/4	116,069
3/8	167,234	3/8	163,173	3/8	159,112	3/8	155,050	3/8	150,989	3/8	146,197	3/8	138,626	3/8	131,055	3/8	123,484	3/8	115,911
1/2	167,149	1/2	163,088	1/2	159,027	1/2	154,966	1/2	150,905	1/2	146,039	1/2	138,468	1/2	130,897	1/2	123,326	1/2	115,753
5/8	167,065	5/8	163,004	5/8	158,942	5/8	154,881	5/8	150,820	5/8	145,882	5/8	138,310	5/8	130,739	5/8	123,168	5/8	115,595
3/4	166,980	3/4	162,919	3/4	158,858	3/4	154,797	3/4	150,736	3/4	145,724	3/4	138,153	3/4	130,582	3/4	123,011	3/4	115,437
7/8	166,895	7/8	162,834	7/8	158,773	7/8	154,712	7/8	150,651	7/8	145,566	7/8	137,995	7/8	130,424	7/8	122,853	7/8	115,280
2	166,811	8	162,750	2	158,689	8	154,627	2	150,566	8	145,408	2	137,837	8	130,266	2	122,695	8	115,122
1/8	166,726	1/8	162,665	1/8	158,604	1/8	154,543	1/8	150,482	1/8	145,251	1/8	137,679	1/8	130,108	1/8	122,537	1/8	114,964
1/4	166,642	1/4	162,580	1/4	158,519	1/4	154,458	1/4	150,397	1/4	145,093	1/4	137,522	1/4	129,951	1/4	122,380	1/4	114,806
3/8	166,557	3/8	162,496	3/8	158,435	3/8	154,374	3/8	150,312	3/8	144,935	3/8	137,364	3/8	129,793	3/8	122,222	3/8	114,648
1/2	166,472	1/2	162,411	1/2	158,350	1/2	154,289	1/2	150,228	1/2	144,777	1/2	137,206	1/2	129,635	1/2	122,064	1/2	114,491
5/8	166,388	5/8	162,327	5/8	158,266	5/8	154,204	5/8	150,143	5/8	144,620	5/8	137,049	5/8	129,477	5/8	121,906	5/8	114,333
3/4	166,303	3/4	162,242	3/4	158,181	3/4	154,120	3/4	150,059	3/4	144,462	3/4	136,891	3/4	129,320	3/4	121,749	3/4	114,175
7/8	166,219	7/8	162,157	7/8	158,096	7/8	154,035	7/8	149,974	7/8	144,304	7/8	136,733	7/8	129,162	7/8	121,591	7/8	114,017
3	166,134	9	162,073	3	158,012	9	153,951	3	149,889	9	144,146	3	136,575	9	129,004	3	121,433	9	113,860
1/8	166,049	1/8	161,988	1/8	157,927	1/8	153,866	1/8	149,805	1/8	143,989	1/8	136,418	1/8	128,847	1/8	121,275	1/8	113,702
1/4	165,965	1/4	161,904	1/4	157,843	1/4	153,781	1/4	149,720	1/4	143,831	1/4	136,260	1/4	128,689	1/4	121,118	1/4	113,544
3/8	165,880	3/8	161,819	3/8	157,758	3/8	153,697	3/8	149,636	3/8	143,673	3/8	136,102	3/8	128,531	3/8	120,960	3/8	113,386
1/2	165,796	1/2	161,734	1/2	157,673	1/2	153,612	1/2	149,551	1/2	143,516	1/2	135,944	1/2	128,373	1/2	120,802	1/2	113,228
5/8	165,711	5/8	161,650	5/8	157,589	5/8	153,528	5/8	149,466	5/8	143,358	5/8	135,787	5/8	128,216	5/8	120,644	5/8	113,071
3/4	165,626	3/4	161,565	3/4	157,504	3/4	153,443	3/4	149,382	3/4	143,200	3/4	135,629	3/4	128,058	3/4	120,487	3/4	112,913
7/8	165,542	7/8	161,481	7/8	157,419	7/8	153,358	7/8	149,297	7/8	143,042	7/8	135,471	7/8	127,900	7/8	120,329	7/8	112,755
4	165,457	10	161,396	4	157,335	10	153,274	4	149,213	10	142,885	4	135,314	10	127,742	4	120,171	10	112,597
1/8	165,373	1/8	161,311	1/8	157,250	1/8	153,189	1/8	149,128	1/8	142,727	1/8	135,156	1/8	127,585	1/8	120,013	1/8	112,439
1/4	165,288	1/4	161,227	1/4	157,166	1/4	153,105	1/4	149,043	1/4	142,569	1/4	134,998	1/4	127,427	1/4	119,855	1/4	112,282
3/8	165,203	3/8	161,142	3/8	157,081	3/8	153,020	3/8	148,959	3/8	142,411	3/8	134,840	3/8	127,269	3/8	119,698	3/8	112,124
1/2	165,119	1/2	161,058	1/2	156,996	1/2	152,935	1/2	148,874	1/2	142,254	1/2	134,683	1/2	127,112	1/2	119,540	1/2	111,966
5/8	165,034	5/8	160,973	5/8	156,912	5/8	152,851	5/8	148,790	5/8	142,096	5/8	134,525	5/8	126,954	5/8	119,382	5/8	111,808
3/4	164,949	3/4	160,888	3/4	156,827	3/4	152,766	3/4	148,705	3/4	141,938	3/4	134,367	3/4	126,796	3/4	119,224	3/4	111,651
7/8	164,865	7/8	160,804	7/8	156,743	7/8	152,681	7/8	148,620	7/8	141,780	7/8	134,209	7/8	126,638	7/8	119,066	7/8	111,493
5	164,780	11	160,719	5	156,658	11	152,597	5	148,536	11	141,623	5	134,052	11	126,481	5	118,909	11	111,335
1/8	164,696	1/8	160,635	1/8	156,573	1/8	152,512	1/8	148,451	1/8	141,465	1/8	133,894	1/8	126,323	1/8	118,751	1/8	111,177
1/4	164,611	1/4	160,550	1/4	156,489	1/4	152,428	1/4	148,367	1/4	141,307	1/4	133,736	1/4	126,165	1/4	118,593	1/4	111,019
3/8	164,526	3/8	160,465	3/8	156,404	3/8	152,343	3/8	148,282	3/8	141,150	3/8	133,578	3/8	126,007	3/8	118,435	3/8	110,862
1/2	164,442	1/2	160,381	1/2	156,320	1/2	152,258	1/2	148,197	1/2	140,992	1/2	133,421	1/2	125,850	1/2	118,278	1/2	110,704
5/8	164,357	5/8	160,296	5/8	156,235	5/8	152,174	5/8	148,113	5/8	140,834	5/8	133,263	5/8	125,692	5/8	118,120	5/8	110,546
3/4	164,273	3/4	160,211	3/4	156,150	3/4	152,089	3/4	148,028	3/4	140,676	3/4	133,105	3/4	125,534	3/4	117,962	3/4	110,388
7/8	164,188	7/8	160,127	7/8	156,066	7/8	152,005	7/8	147,944	7/8	140,519	7/8	132,948	7/8	125,376	7/8	117,804	7/8	110,230

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

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DATE STRAPPED: 1/19/2012 BY: JLF

DATE COMPUTED: 1/23/2012 BY: WHF

DATE ISSUED: 1/24/2012

Independent Vessel Calibration



MOC 17

Conrad Shipbuilding: Hull # C-967
ULLAGE GAUGING

TANK NO. 3 STBD

HERMETIC ULLAGE TABLE

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	110,075	6	102,499	0	94,925	6	87,351	0	79,778	6	72,204	0	64,630	6	57,060	0	49,493	6	41,950
1/8	109,915	1/8	102,341	1/8	94,767	1/8	87,194	1/8	79,620	1/8	72,046	1/8	64,472	1/8	56,903	1/8	49,336	1/8	41,793
1/4	109,757	1/4	102,183	1/4	94,610	1/4	87,036	1/4	79,462	1/4	71,888	1/4	64,315	1/4	56,745	1/4	49,178	1/4	41,636
3/8	109,599	3/8	102,026	3/8	94,452	3/8	86,878	3/8	79,304	3/8	71,731	3/8	64,157	3/8	56,587	3/8	49,020	3/8	41,479
1/2	109,442	1/2	101,868	1/2	94,294	1/2	86,720	1/2	79,147	1/2	71,573	1/2	63,999	1/2	56,430	1/2	48,862	1/2	41,322
5/8	109,284	5/8	101,710	5/8	94,136	5/8	86,563	5/8	78,989	5/8	71,415	5/8	63,841	5/8	56,272	5/8	48,705	5/8	41,165
3/4	109,126	3/4	101,552	3/4	93,978	3/4	86,405	3/4	78,831	3/4	71,257	3/4	63,684	3/4	56,114	3/4	48,547	3/4	41,008
7/8	108,968	7/8	101,394	7/8	93,821	7/8	86,247	7/8	78,673	7/8	71,099	7/8	63,526	7/8	55,957	7/8	48,389	7/8	40,851
1	108,810	7	101,237	1	93,663	7	86,089	1	78,515	7	70,942	1	63,368	7	55,799	1	48,231	7	40,694
1/8	108,653	1/8	101,079	1/8	93,505	1/8	85,931	1/8	78,358	1/8	70,784	1/8	63,210	1/8	55,642	1/8	48,074	1/8	40,537
1/4	108,495	1/4	100,921	1/4	93,347	1/4	85,774	1/4	78,200	1/4	70,626	1/4	63,052	1/4	55,484	1/4	47,917	1/4	40,380
3/8	108,337	3/8	100,763	3/8	93,190	3/8	85,616	3/8	78,042	3/8	70,468	3/8	62,895	3/8	55,326	3/8	47,760	3/8	40,223
1/2	108,179	1/2	100,605	1/2	93,032	1/2	85,458	1/2	77,884	1/2	70,311	1/2	62,737	1/2	55,169	1/2	47,603	1/2	40,066
5/8	108,021	5/8	100,448	5/8	92,874	5/8	85,300	5/8	77,726	5/8	70,153	5/8	62,579	5/8	55,011	5/8	47,446	5/8	39,909
3/4	107,864	3/4	100,290	3/4	92,716	3/4	85,142	3/4	77,569	3/4	69,995	3/4	62,421	3/4	54,853	3/4	47,289	3/4	39,752
7/8	107,706	7/8	100,132	7/8	92,558	7/8	84,985	7/8	77,411	7/8	69,837	7/8	62,263	7/8	54,696	7/8	47,132	7/8	39,595
2	107,548	8	99,974	2	92,401	8	84,827	2	77,253	8	69,679	2	62,106	8	54,538	2	46,975	8	39,438
1/8	107,390	1/8	99,817	1/8	92,243	1/8	84,669	1/8	77,095	1/8	69,522	1/8	61,948	1/8	54,380	1/8	46,818	1/8	39,281
1/4	107,232	1/4	99,659	1/4	92,085	1/4	84,511	1/4	76,938	1/4	69,364	1/4	61,790	1/4	54,223	1/4	46,661	1/4	39,124
3/8	107,075	3/8	99,501	3/8	91,927	3/8	84,354	3/8	76,780	3/8	69,206	3/8	61,632	3/8	54,065	3/8	46,503	3/8	38,967
1/2	106,917	1/2	99,343	1/2	91,769	1/2	84,196	1/2	76,622	1/2	69,048	1/2	61,475	1/2	53,907	1/2	46,346	1/2	38,810
5/8	106,759	5/8	99,185	5/8	91,612	5/8	84,038	5/8	76,464	5/8	68,890	5/8	61,317	5/8	53,750	5/8	46,189	5/8	38,653
3/4	106,601	3/4	99,028	3/4	91,454	3/4	83,880	3/4	76,306	3/4	68,733	3/4	61,159	3/4	53,592	3/4	46,032	3/4	38,496
7/8	106,444	7/8	98,870	7/8	91,296	7/8	83,722	7/8	76,149	7/8	68,575	7/8	61,002	7/8	53,434	7/8	45,875	7/8	38,339
3	106,286	9	98,712	3	91,138	9	83,565	3	75,991	9	68,417	3	60,844	9	53,277	3	45,718	9	38,182
1/8	106,128	1/8	98,554	1/8	90,981	1/8	83,407	1/8	75,833	1/8	68,259	1/8	60,686	1/8	53,119	1/8	45,561	1/8	38,025
1/4	105,970	1/4	98,396	1/4	90,823	1/4	83,249	1/4	75,675	1/4	68,102	1/4	60,529	1/4	52,962	1/4	45,404	1/4	37,868
3/8	105,812	3/8	98,239	3/8	90,665	3/8	83,091	3/8	75,517	3/8	67,944	3/8	60,371	3/8	52,804	3/8	45,247	3/8	37,710
1/2	105,655	1/2	98,081	1/2	90,507	1/2	82,933	1/2	75,360	1/2	67,786	1/2	60,213	1/2	52,646	1/2	45,090	1/2	37,553
5/8	105,497	5/8	97,923	5/8	90,349	5/8	82,776	5/8	75,202	5/8	67,628	5/8	60,056	5/8	52,489	5/8	44,933	5/8	37,396
3/4	105,339	3/4	97,765	3/4	90,192	3/4	82,618	3/4	75,044	3/4	67,470	3/4	59,898	3/4	52,331	3/4	44,776	3/4	37,239
7/8	105,181	7/8	97,608	7/8	90,034	7/8	82,460	7/8	74,886	7/8	67,313	7/8	59,740	7/8	52,173	7/8	44,619	7/8	37,082
4	105,023	10	97,450	4	89,876	10	82,302	4	74,729	10	67,155	4	59,583	10	52,016	4	44,462	10	36,925
1/8	104,866	1/8	97,292	1/8	89,718	1/8	82,144	1/8	74,571	1/8	66,997	1/8	59,425	1/8	51,858	1/8	44,305	1/8	36,768
1/4	104,708	1/4	97,134	1/4	89,560	1/4	81,987	1/4	74,413	1/4	66,839	1/4	59,267	1/4	51,700	1/4	44,148	1/4	36,611
3/8	104,550	3/8	96,976	3/8	89,403	3/8	81,829	3/8	74,255	3/8	66,681	3/8	59,110	3/8	51,543	3/8	43,991	3/8	36,454
1/2	104,392	1/2	96,819	1/2	89,245	1/2	81,671	1/2	74,097	1/2	66,524	1/2	58,952	1/2	51,385	1/2	43,834	1/2	36,297
5/8	104,235	5/8	96,661	5/8	89,087	5/8	81,513	5/8	73,940	5/8	66,366	5/8	58,795	5/8	51,227	5/8	43,677	5/8	36,140
3/4	104,077	3/4	96,503	3/4	88,929	3/4	81,356	3/4	73,782	3/4	66,208	3/4	58,637	3/4	51,070	3/4	43,520	3/4	35,983
7/8	103,919	7/8	96,345	7/8	88,772	7/8	81,198	7/8	73,624	7/8	66,050	7/8	58,479	7/8	50,912	7/8	43,363	7/8	35,826
5	103,761	11	96,187	5	88,614	11	81,040	5	73,466	11	65,893	5	58,322	11	50,754	5	43,206	11	35,669
1/8	103,603	1/8	96,030	1/8	88,456	1/8	80,882	1/8	73,308	1/8	65,735	1/8	58,164	1/8	50,597	1/8	43,049	1/8	35,512
1/4	103,446	1/4	95,872	1/4	88,298	1/4	80,724	1/4	73,151	1/4	65,577	1/4	58,006	1/4	50,439	1/4	42,892	1/4	35,355
3/8	103,288	3/8	95,714	3/8	88,140	3/8	80,567	3/8	72,993	3/8	65,419	3/8	57,849	3/8	50,281	3/8	42,735	3/8	35,198
1/2	103,130	1/2	95,556	1/2	87,983	1/2	80,409	1/2	72,835	1/2	65,261	1/2	57,691	1/2	50,124	1/2	42,578	1/2	35,041
5/8	102,972	5/8	95,399	5/8	87,825	5/8	80,251	5/8	72,677	5/8	65,104	5/8	57,533	5/8	49,966	5/8	42,421	5/8	34,884
3/4	102,814	3/4	95,241	3/4	87,667	3/4	80,093	3/4	72,520	3/4	64,946	3/4	57,376	3/4	49,809	3/4	42,264	3/4	34,727
7/8	102,657	7/8	95,083	7/8	87,509	7/8	79,935	7/8	72,362	7/8	64,788	7/8	57,218	7/8	49,651	7/8	42,107	7/8	34,570

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Independent Vessel Calibration



ULLAGE GAUGING

GAUGE HEIGHT: 17'-3 3/8"

CAPACITIES GIVEN IN U.S. GALLONS

15 FT.		15 FT.		16 FT.		16 FT.		17 FT.		17 FT.		18 FT.		18 FT.		19 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	34,413	6	26,847	0	19,273	6	11,700	0	4,038	6		0		6		0		6	
1/8	34,256	1/8	26,689	1/8	19,116	1/8	11,542	1/8	3,876	1/8		1/8		1/8		1/8		1/8	
1/4	34,099	1/4	26,531	1/4	18,958	1/4	11,384	1/4	3,719	1/4		1/4		1/4		1/4		1/4	
3/8	33,942	3/8	26,373	3/8	18,800	3/8	11,226	3/8	3,564	3/8		3/8		3/8		3/8		3/8	
1/2	33,785	1/2	26,216	1/2	18,642	1/2	11,069	1/2	3,413	1/2		1/2		1/2		1/2		1/2	
5/8	33,628	5/8	26,058	5/8	18,484	5/8	10,911	5/8	3,265	5/8		5/8		5/8		5/8		5/8	
3/4	33,471	3/4	25,900	3/4	18,327	3/4	10,753	3/4	3,120	3/4		3/4		3/4		3/4		3/4	
7/8	33,314	7/8	25,742	7/8	18,169	7/8	10,595	7/8	2,979	7/8		7/8		7/8		7/8		7/8	
1	33,157	7	25,585	1	18,011	7	10,438	1	2,841	7		1		7		1		7	
1/8	33,000	1/8	25,427	1/8	17,853	1/8	10,280	1/8	2,706	1/8		1/8		1/8		1/8		1/8	
1/4	32,842	1/4	25,269	1/4	17,695	1/4	10,122	1/4	2,575	1/4		1/4		1/4		1/4		1/4	
3/8	32,684	3/8	25,111	3/8	17,538	3/8	9,964	3/8	2,447	3/8		3/8		3/8		3/8		3/8	
1/2	32,527	1/2	24,953	1/2	17,380	1/2	9,806	1/2	2,322	1/2		1/2		1/2		1/2		1/2	
5/8	32,369	5/8	24,796	5/8	17,222	5/8	9,649	5/8	2,200	5/8		5/8		5/8		5/8		5/8	
3/4	32,211	3/4	24,638	3/4	17,064	3/4	9,491	3/4	2,082	3/4		3/4		3/4		3/4		3/4	
7/8	32,054	7/8	24,480	7/8	16,907	7/8	9,333	7/8	1,967	7/8		7/8		7/8		7/8		7/8	
2	31,896	8	24,322	2	16,749	8	9,175	2	1,855	8		2		8		2		8	
1/8	31,738	1/8	24,165	1/8	16,591	1/8	9,018	1/8	1,747	1/8		1/8		1/8		1/8		1/8	
1/4	31,580	1/4	24,007	1/4	16,433	1/4	8,860	1/4	1,642	1/4		1/4		1/4		1/4		1/4	
3/8	31,422	3/8	23,849	3/8	16,275	3/8	8,702	3/8	1,540	3/8		3/8		3/8		3/8		3/8	
1/2	31,265	1/2	23,691	1/2	16,118	1/2	8,544	1/2	1,441	1/2		1/2		1/2		1/2		1/2	
5/8	31,107	5/8	23,533	5/8	15,960	5/8	8,386	5/8	1,346	5/8		5/8		5/8		5/8		5/8	
3/4	30,949	3/4	23,376	3/4	15,802	3/4	8,229	3/4	1,254	3/4		3/4		3/4		3/4		3/4	
7/8	30,791	7/8	23,218	7/8	15,644	7/8	8,071	7/8	1,166	7/8		7/8		7/8		7/8		7/8	
3	30,634	9	23,060	3	15,487	9	7,913	3	1,081	9		3		9		3		9	
1/8	30,476	1/8	22,902	1/8	15,329	1/8	7,755	1/8	999	1/8		1/8		1/8		1/8		1/8	
1/4	30,318	1/4	22,744	1/4	15,171	1/4	7,597	1/4	920	1/4		1/4		1/4		1/4		1/4	
3/8	30,160	3/8	22,587	3/8	15,013	3/8	7,440	3/8	844	3/8		3/8		3/8		3/8		3/8	
1/2	30,002	1/2	22,429	1/2	14,855	1/2	7,282	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	29,845	5/8	22,271	5/8	14,698	5/8	7,124	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	29,687	3/4	22,113	3/4	14,540	3/4	6,966	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	29,529	7/8	21,956	7/8	14,382	7/8	6,809	7/8		7/8		7/8		7/8		7/8		7/8	
4	29,371	10	21,798	4	14,224	10	6,651	4		10		4		10		4		10	
1/8	29,214	1/8	21,640	1/8	14,067	1/8	6,493	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	29,056	1/4	21,482	1/4	13,909	1/4	6,335	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	28,898	3/8	21,324	3/8	13,751	3/8	6,177	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	28,740	1/2	21,167	1/2	13,593	1/2	6,020	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	28,582	5/8	21,009	5/8	13,435	5/8	5,862	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	28,425	3/4	20,851	3/4	13,278	3/4	5,704	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	28,267	7/8	20,693	7/8	13,120	7/8	5,546	7/8		7/8		7/8		7/8		7/8		7/8	
5	28,109	11	20,536	5	12,962	11	5,389	5		11		5		11		5		11	
1/8	27,951	1/8	20,378	1/8	12,804	1/8	5,231	1/8		1/8		1/8		1/8		1/8		1/8	
1/4	27,793	1/4	20,220	1/4	12,646	1/4	5,073	1/4		1/4		1/4		1/4		1/4		1/4	
3/8	27,636	3/8	20,062	3/8	12,489	3/8	4,892	3/8		3/8		3/8		3/8		3/8		3/8	
1/2	27,478	1/2	19,904	1/2	12,331	1/2	4,715	1/2		1/2		1/2		1/2		1/2		1/2	
5/8	27,320	5/8	19,747	5/8	12,173	5/8	4,540	5/8		5/8		5/8		5/8		5/8		5/8	
3/4	27,162	3/4	19,589	3/4	12,015	3/4	4,370	3/4		3/4		3/4		3/4		3/4		3/4	
7/8	27,005	7/8	19,431	7/8	11,858	7/8	4,202	7/8		7/8		7/8		7/8		7/8		7/8	

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

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