



Capacities in Gallons

Table Scaled from Reference 0' 00" of Hermetic Gauging Unit

3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET	
0		0	137,927	0	128,457	0	118,987	0	109,517	0	98,816	0	88,004	0	77,192
1/4	143,649	1/4	137,730	1/4	128,260	1/4	118,789	1/4	109,319	1/4	98,591	1/4	87,779	1/4	76,966
1/2	143,638	1/2	137,532	1/2	128,062	1/2	118,592	1/2	109,122	1/2	98,366	1/2	87,553	1/2	76,741
3/4	143,627	3/4	137,335	3/4	127,865	3/4	118,395	3/4	108,925	3/4	98,140	3/4	87,328	3/4	76,516
1	143,616	1	137,138	1	127,668	1	118,198	1	108,713	1	97,915	1	87,103	1	76,291
1/4	143,605	1/4	136,941	1/4	127,470	1/4	118,000	1/4	108,502	1/4	97,690	1/4	86,878	1/4	76,065
1/2	143,572	1/2	136,743	1/2	127,273	1/2	117,803	1/2	108,277	1/2	97,465	1/2	86,652	1/2	75,840
3/4	143,539	3/4	136,546	3/4	127,076	3/4	117,606	3/4	108,052	3/4	97,239	3/4	86,427	3/4	75,615
2	143,506	2	136,349	2	126,879	2	117,408	2	107,826	2	97,014	2	86,202	2	75,389
1/4	143,473	1/4	136,151	1/4	126,681	1/4	117,211	1/4	107,601	1/4	96,789	1/4	85,977	1/4	75,164
1/2	143,418	1/2	135,954	1/2	126,484	1/2	117,014	1/2	107,376	1/2	96,564	1/2	85,751	1/2	74,939
3/4	143,364	3/4	135,757	3/4	126,287	3/4	116,817	3/4	107,151	3/4	96,338	3/4	85,526	3/4	74,714
3	143,309	3	135,560	3	126,089	3	116,619	3	106,925	3	96,113	3	85,301	3	74,488
1/4	143,254	1/4	135,362	1/4	125,892	1/4	116,422	1/4	106,700	1/4	95,888	1/4	85,076	1/4	74,263
1/2	143,177	1/2	135,165	1/2	125,695	1/2	116,225	1/2	106,475	1/2	95,663	1/2	84,850	1/2	74,038
3/4	143,101	3/4	134,968	3/4	125,497	3/4	116,027	3/4	106,250	3/4	95,437	3/4	84,625	3/4	73,813
4	143,024	4	134,770	4	125,300	4	115,830	4	106,024	4	95,212	4	84,400	4	73,587
1/4	142,947	1/4	134,573	1/4	125,103	1/4	115,633	1/4	105,799	1/4	94,987	1/4	84,174	1/4	73,362
1/2	142,848	1/2	134,376	1/2	124,906	1/2	115,435	1/2	105,574	1/2	94,762	1/2	83,949	1/2	73,137
3/4	142,750	3/4	134,178	3/4	124,708	3/4	115,238	3/4	105,349	3/4	94,536	3/4	83,724	3/4	72,912
5	142,651	5	133,981	5	124,511	5	115,041	5	105,123	5	94,311	5	83,499	5	72,686
1/4	142,553	1/4	133,784	1/4	124,314	1/4	114,844	1/4	104,898	1/4	94,086	1/4	83,273	1/4	72,461
1/2	142,432	1/2	133,587	1/2	124,116	1/2	114,646	1/2	104,673	1/2	93,860	1/2	83,048	1/2	72,236
3/4	142,311	3/4	133,389	3/4	123,919	3/4	114,449	3/4	104,448	3/4	93,635	3/4	82,823	3/4	72,011
6	142,191	6	133,192	6	123,722	6	114,252	6	104,222	6	93,410	6	82,598	6	71,785
1/4	142,070	1/4	132,995	1/4	123,525	1/4	114,054	1/4	103,997	1/4	93,185	1/4	82,372	1/4	71,560
1/2	141,928	1/2	132,797	1/2	123,327	1/2	113,857	1/2	103,772	1/2	92,959	1/2	82,147	1/2	71,335
3/4	141,785	3/4	132,600	3/4	123,130	3/4	113,660	3/4	103,547	3/4	92,734	3/4	81,922	3/4	71,110
7	141,643	7	132,403	7	122,933	7	113,463	7	103,321	7	92,509	7	81,697	7	70,884
1/4	141,500	1/4	132,206	1/4	122,735	1/4	113,265	1/4	103,096	1/4	92,284	1/4	81,471	1/4	70,659
1/2	141,336	1/2	132,008	1/2	122,538	1/2	113,068	1/2	102,871	1/2	92,058	1/2	81,246	1/2	70,434
3/4	141,171	3/4	131,811	3/4	122,341	3/4	112,871	3/4	102,645	3/4	91,833	3/4	81,021	3/4	70,209
8	141,007	8	131,614	8	122,143	8	112,673	8	102,420	8	91,608	8	80,796	8	69,983
1/4	140,843	1/4	131,416	1/4	121,946	1/4	112,476	1/4	102,195	1/4	91,383	1/4	80,570	1/4	69,758
1/2	140,656	1/2	131,219	1/2	121,749	1/2	112,279	1/2	101,970	1/2	91,157	1/2	80,345	1/2	69,533
3/4	140,470	3/4	131,022	3/4	121,552	3/4	112,081	3/4	101,744	3/4	90,932	3/4	80,120	3/4	69,308
9	140,284	9	130,824	9	121,354	9	111,884	9	101,519	9	90,707	9	79,895	9	69,082
1/4	140,097	1/4	130,627	1/4	121,157	1/4	111,687	1/4	101,294	1/4	90,482	1/4	79,669	1/4	68,857
1/2	139,900	1/2	130,430	1/2	120,960	1/2	111,490	1/2	101,069	1/2	90,256	1/2	79,444	1/2	68,632
3/4	139,703	3/4	130,233	3/4	120,762	3/4	111,292	3/4	100,843	3/4	90,031	3/4	79,219	3/4	68,407
10	139,505	10	130,035	10	120,565	10	111,095	10	100,618	10	89,806	10	78,994	10	68,181
1/4	139,308	1/4	129,838	1/4	120,368	1/4	110,898	1/4	100,393	1/4	89,581	1/4	78,768	1/4	67,956
1/2	139,111	1/2	129,641	1/2	120,171	1/2	110,700	1/2	100,168	1/2	89,355	1/2	78,543	1/2	67,731
3/4	138,914	3/4	129,443	3/4	119,973	3/4	110,503	3/4	99,942	3/4	89,130	3/4	78,318	3/4	67,506
11	138,716	11	129,246	11	119,776	11	110,306	11	99,717	11	88,905	11	78,093	11	67,280
1/4	138,519	1/4	129,049	1/4	119,579	1/4	110,109	1/4	99,492	1/4	88,680	1/4	77,867	1/4	67,055
1/2	138,322	1/2	128,852	1/2	119,381	1/2	109,911	1/2	99,267	1/2	88,454	1/2	77,642	1/2	66,830
3/4	138,124	3/4	128,654	3/4	119,184	3/4	109,714	3/4	99,041	3/4	88,229	3/4	77,417	3/4	66,605

** Volume below Strike Point.

Total Gauge Height - 17' 1 1/4" to 0' 00" of Hermetic Gauging Unit.
Gauge Point located near Center of Tank.

ULLAGE TABLE



Inchcape Testing
Services
Caleb Brett

BARGE

IB946

ANK

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Capacities in Gallons Table Scaled from Reference 0' 00" of Hermetic Gauging Unit Page 2 of 2

11 FEET		12 FEET		13 FEET		14 FEET		15 FEET		16 FEET		17 FEET		18 FEET	
0	66,379	0	55,567	0	44,755	0	33,943	0	23,152	0	12,356	0	1,557	0	
1/4	66,154	1/4	55,342	1/4	44,530	1/4	33,718	1/4	22,928	1/4	12,130	1/4	1,335	1/4	
1/2	65,929	1/2	55,116	1/2	44,305	1/2	33,493	1/2	22,704	1/2	11,905	1/2	1,112	1/2	
3/4	65,703	3/4	54,891	3/4	44,079	3/4	33,268	3/4	22,480	3/4	11,680	3/4	890	3/4	
1	65,478	1	54,666	1	43,854	1	33,042	1	22,255	1	11,455	1	679	1	
1/4	65,253	1/4	54,441	1/4	43,629	1/4	32,817	1/4	22,031	1/4	11,229	1/4	** 469	1/4	
1/2	65,028	1/2	54,215	1/2	43,404	1/2	32,592	1/2	21,807	1/2	11,004	1/2		1/2	
3/4	64,802	3/4	53,990	3/4	43,178	3/4	32,367	3/4	21,582	3/4	10,779	3/4		3/4	
2	64,577	2	53,765	2	42,953	2	32,141	2	21,358	2	10,554	2		2	
1/4	64,352	1/4	53,540	1/4	42,728	1/4	31,916	1/4	21,134	1/4	10,328	1/4		1/4	
1/2	64,127	1/2	53,314	1/2	42,503	1/2	31,691	1/2	20,909	1/2	10,103	1/2		1/2	
3/4	63,901	3/4	53,089	3/4	42,277	3/4	31,466	3/4	20,685	3/4	9,878	3/4		3/4	
3	63,676	3	52,864	3	42,052	3	31,240	3	20,461	3	9,653	3		3	
1/4	63,451	1/4	52,639	1/4	41,827	1/4	31,015	1/4	20,236	1/4	9,427	1/4		1/4	
1/2	63,226	1/2	52,413	1/2	41,602	1/2	30,790	1/2	20,012	1/2	9,202	1/2		1/2	
3/4	63,000	3/4	52,188	3/4	41,376	3/4	30,565	3/4	19,787	3/4	8,977	3/4		3/4	
4	62,775	4	51,963	4	41,151	4	30,339	4	19,563	4	8,751	4		4	
1/4	62,550	1/4	51,738	1/4	40,926	1/4	30,114	1/4	19,338	1/4	8,526	1/4		1/4	
1/2	62,325	1/2	51,512	1/2	40,701	1/2	29,889	1/2	19,113	1/2	8,301	1/2		1/2	
3/4	62,099	3/4	51,287	3/4	40,475	3/4	29,664	3/4	18,888	3/4	8,076	3/4		3/4	
5	61,874	5	51,062	5	40,250	5	29,439	5	18,663	5	7,850	5		5	
1/4	61,649	1/4	50,837	1/4	40,025	1/4	29,213	1/4	18,437	1/4	7,625	1/4		1/4	
1/2	61,424	1/2	50,611	1/2	39,800	1/2	28,988	1/2	18,212	1/2	7,400	1/2		1/2	
3/4	61,198	3/4	50,386	3/4	39,574	3/4	28,763	3/4	17,987	3/4	7,175	3/4		3/4	
6	60,973	6	50,161	6	39,349	6	28,538	6	17,762	6	6,949	6		6	
1/4	60,748	1/4	49,936	1/4	39,124	1/4	28,312	1/4	17,536	1/4	6,724	1/4		1/4	
1/2	60,523	1/2	49,710	1/2	38,899	1/2	28,088	1/2	17,311	1/2	6,499	1/2		1/2	
3/4	60,297	3/4	49,485	3/4	38,673	3/4	27,863	3/4	17,086	3/4	6,274	3/4		3/4	
7	60,072	7	49,260	7	38,448	7	27,639	7	16,861	7	6,048	7		7	
1/4	59,847	1/4	49,035	1/4	38,223	1/4	27,414	1/4	16,635	1/4	5,823	1/4		1/4	
1/2	59,622	1/2	48,809	1/2	37,998	1/2	27,190	1/2	16,410	1/2	5,598	1/2		1/2	
3/4	59,396	3/4	48,584	3/4	37,772	3/4	26,966	3/4	16,185	3/4	5,373	3/4		3/4	
8	59,171	8	48,359	8	37,547	8	26,741	8	15,960	8	5,147	8		8	
1/4	58,946	1/4	48,134	1/4	37,322	1/4	26,517	1/4	15,734	1/4	4,922	1/4		1/4	
1/2	58,721	1/2	47,908	1/2	37,097	1/2	26,293	1/2	15,509	1/2	4,697	1/2		1/2	
3/4	58,495	3/4	47,683	3/4	36,872	3/4	26,068	3/4	15,284	3/4	4,472	3/4		3/4	
9	58,270	9	47,458	9	36,646	9	25,844	9	15,059	9	4,247	9		9	
1/4	58,045	1/4	47,233	1/4	36,421	1/4	25,620	1/4	14,833	1/4	4,022	1/4		1/4	
1/2	57,820	1/2	47,007	1/2	36,196	1/2	25,396	1/2	14,608	1/2	3,797	1/2		1/2	
3/4	57,594	3/4	46,782	3/4	35,971	3/4	25,171	3/4	14,383	3/4	3,572	3/4		3/4	
10	57,369	10	46,557	10	35,745	10	24,947	10	14,158	10	3,347	10		10	
1/4	57,144	1/4	46,332	1/4	35,520	1/4	24,723	1/4	13,932	1/4	3,123	1/4		1/4	
1/2	56,918	1/2	46,106	1/2	35,295	1/2	24,498	1/2	13,707	1/2	2,898	1/2		1/2	
3/4	56,693	3/4	45,881	3/4	35,070	3/4	24,274	3/4	13,482	3/4	2,674	3/4		3/4	
11	56,468	11	45,656	11	34,844	11	24,050	11	13,257	11	2,450	11		11	
1/4	56,243	1/4	45,431	1/4	34,619	1/4	23,825	1/4	13,031	1/4	2,227	1/4		1/4	
1/2	56,017	1/2	45,205	1/2	34,394	1/2	23,601	1/2	12,806	1/2	2,003	1/2		1/2	
3/4	55,792	3/4	44,980	3/4	34,169	3/4	23,377	3/4	12,581	3/4	1,779	3/4		3/4	

** Volume below Strike Point.

Total Gauge Height - 17' 1 1/4" to 0' 00" of Hermetic Gauging Unit.
Gauge Point located near Center of Tank.

Reissued : April 1994
Strapped : 30 January 1981
Computed : H.M. *YDB*

Calculated per API 2553/66

ULLAGE TABLE



Inchcape Testing
Services
Calcb Brett

BARGE

IB946

TANK

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Capacities in Gallons

Table Scaled from Reference 0' 00" of Hermetic Gauging Unit

Page 1 of 2

3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET	
0		0	144,020	0	133,156	0	122,293	0	111,429	0	100,565	0	89,702	0	78,838
1/4		1/4	143,794	1/4	132,930	1/4	122,066	1/4	111,203	1/4	100,339	1/4	89,475	1/4	78,612
1/2		1/2	143,567	1/2	132,704	1/2	121,840	1/2	110,976	1/2	100,113	1/2	89,249	1/2	78,385
3/4		3/4	143,341	3/4	132,477	3/4	121,614	3/4	110,750	3/4	99,866	3/4	89,023	3/4	78,159
1		1	143,115	1	132,251	1	121,387	1	110,524	1	99,660	1	88,796	1	77,933
1/4		1/4	142,888	1/4	132,025	1/4	121,161	1/4	110,297	1/4	99,434	1/4	88,570	1/4	77,706
1/2	149,339	1/2	142,662	1/2	131,798	1/2	120,935	1/2	110,071	1/2	99,207	1/2	88,344	1/2	77,480
3/4	149,336	3/4	142,436	3/4	131,572	3/4	120,708	3/4	109,845	3/4	98,981	3/4	88,117	3/4	77,254
2	149,317	2	142,209	2	131,346	2	120,482	2	109,618	2	98,755	2	87,891	2	77,027
1/4	149,299	1/4	141,983	1/4	131,119	1/4	120,256	1/4	109,392	1/4	98,528	1/4	87,665	1/4	76,801
1/2	149,281	1/2	141,757	1/2	130,893	1/2	120,029	1/2	109,166	1/2	98,302	1/2	87,438	1/2	76,575
3/4	149,262	3/4	141,530	3/4	130,667	3/4	119,803	3/4	108,939	3/4	98,076	3/4	87,212	3/4	76,348
3	149,219	3	141,304	3	130,440	3	119,577	3	108,713	3	97,849	3	86,986	3	76,122
1/4	149,177	1/4	141,078	1/4	130,214	1/4	119,350	1/4	108,487	1/4	97,623	1/4	86,759	1/4	75,896
1/2	149,134	1/2	140,851	1/2	129,988	1/2	119,124	1/2	108,260	1/2	97,397	1/2	86,533	1/2	75,669
3/4	149,091	3/4	140,625	3/4	129,761	3/4	118,898	3/4	108,034	3/4	97,170	3/4	86,307	3/4	75,443
4	149,024	4	140,399	4	129,535	4	118,671	4	107,808	4	96,944	4	86,080	4	75,217
1/4	148,956	1/4	140,173	1/4	129,309	1/4	118,445	1/4	107,581	1/4	96,718	1/4	85,854	1/4	74,990
1/2	148,889	1/2	139,946	1/2	129,083	1/2	118,219	1/2	107,355	1/2	96,491	1/2	85,628	1/2	74,764
3/4	148,822	3/4	139,720	3/4	128,856	3/4	117,992	3/4	107,129	3/4	96,265	3/4	85,401	3/4	74,538
5	148,730	5	139,494	5	128,630	5	117,766	5	106,902	5	96,039	5	85,175	5	74,311
1/4	148,638	1/4	139,267	1/4	128,404	1/4	117,540	1/4	106,676	1/4	95,812	1/4	84,949	1/4	74,085
1/2	148,547	1/2	139,041	1/2	128,177	1/2	117,314	1/2	106,450	1/2	95,586	1/2	84,722	1/2	73,859
3/4	148,455	3/4	138,815	3/4	127,951	3/4	117,087	3/4	106,223	3/4	95,360	3/4	84,496	3/4	73,632
6	148,339	6	138,588	6	127,725	6	116,861	6	105,997	6	95,133	6	84,270	6	73,406
1/4	148,222	1/4	138,362	1/4	127,498	1/4	116,635	1/4	105,771	1/4	94,907	1/4	84,043	1/4	73,180
1/2	148,106	1/2	138,136	1/2	127,272	1/2	116,408	1/2	105,545	1/2	94,681	1/2	83,817	1/2	72,953
3/4	147,990	3/4	137,909	3/4	127,046	3/4	116,182	3/4	105,318	3/4	94,455	3/4	83,591	3/4	72,727
7	147,849	7	137,683	7	126,819	7	115,956	7	105,092	7	94,228	7	83,364	7	72,501
1/4	147,709	1/4	137,457	1/4	126,593	1/4	115,729	1/4	104,866	1/4	94,002	1/4	83,138	1/4	72,274
1/2	147,568	1/2	137,230	1/2	126,367	1/2	115,503	1/2	104,639	1/2	93,776	1/2	82,912	1/2	72,048
3/4	147,427	3/4	137,004	3/4	126,140	3/4	115,277	3/4	104,413	3/4	93,549	3/4	82,686	3/4	71,822
8	147,262	8	136,778	8	125,914	8	115,050	8	104,187	8	93,323	8	82,459	8	71,595
1/4	147,097	1/4	136,551	1/4	125,688	1/4	114,824	1/4	103,960	1/4	93,097	1/4	82,233	1/4	71,369
1/2	146,932	1/2	136,325	1/2	125,461	1/2	114,598	1/2	103,734	1/2	92,870	1/2	82,007	1/2	71,143
3/4	146,767	3/4	136,099	3/4	125,235	3/4	114,371	3/4	103,508	3/4	92,644	3/4	81,780	3/4	70,917
9	146,577	9	135,872	9	125,009	9	114,145	9	103,281	9	92,418	9	81,554	9	70,690
1/4	146,387	1/4	135,646	1/4	124,782	1/4	113,919	1/4	103,055	1/4	92,191	1/4	81,328	1/4	70,464
1/2	146,198	1/2	135,420	1/2	124,556	1/2	113,692	1/2	102,829	1/2	91,965	1/2	81,101	1/2	70,238
3/4	146,008	3/4	135,193	3/4	124,330	3/4	113,466	3/4	102,602	3/4	91,739	3/4	80,875	3/4	70,011
10	145,794	10	134,967	10	124,103	10	113,240	10	102,376	10	91,512	10	80,649	10	69,785
1/4	145,580	1/4	134,741	1/4	123,877	1/4	113,013	1/4	102,150	1/4	91,286	1/4	80,422	1/4	69,559
1/2	145,366	1/2	134,514	1/2	123,651	1/2	112,787	1/2	101,923	1/2	91,060	1/2	80,196	1/2	69,332
3/4	145,152	3/4	134,288	3/4	123,424	3/4	112,561	3/4	101,697	3/4	90,833	3/4	79,970	3/4	69,106
11	144,925	11	134,062	11	123,198	11	112,334	11	101,471	11	90,607	11	79,743	11	68,880
1/4	144,699	1/4	133,835	1/4	122,972	1/4	112,108	1/4	101,244	1/4	90,381	1/4	79,517	1/4	68,653
1/2	144,473	1/2	133,609	1/2	122,745	1/2	111,882	1/2	101,018	1/2	90,154	1/2	79,291	1/2	68,427
3/4	144,246	3/4	133,383	3/4	122,519	3/4	111,655	3/4	100,792	3/4	89,928	3/4	79,064	3/4	68,201

** Volume below Strike Point.

Total Gauge Height - 17' 2 5/8" to 0' 00" of Hermetic Gauging Unit.
Gauge Point located near Center of Tank.

ULLAGE TABLE



Inchcape Testing
Services
Caleb Brett

BARGE

IB946

ANK

2

Capacities in Gallons

Table Scaled from Reference 0' 00" of Hermetic Gauging Unit

Page 2 of 2

11 FEET		12 FEET		13 FEET		14 FEET		15 FEET		16 FEET		17 FEET		18 FEET	
0	67,974	0	57,111	0	46,247	0	35,383	0	24,534	0	13,691	0	2,832	0	
1/4	67,748	1/4	56,884	1/4	46,021	1/4	35,157	1/4	24,309	1/4	13,465	1/4	2,606	1/4	
1/2	67,522	1/2	56,658	1/2	45,794	1/2	34,931	1/2	24,083	1/2	13,239	1/2	2,381	1/2	
3/4	67,295	3/4	56,432	3/4	45,568	3/4	34,704	3/4	23,858	3/4	13,012	3/4	2,157	3/4	
1	67,069	1	56,205	1	45,342	1	34,478	1	23,632	1	12,786	1	1,932	1	
1/4	66,843	1/4	55,979	1/4	45,115	1/4	34,252	1/4	23,407	1/4	12,560	1/4	1,707	1/4	
1/2	66,616	1/2	55,753	1/2	44,889	1/2	34,025	1/2	23,182	1/2	12,333	1/2	1,484	1/2	
3/4	66,390	3/4	55,526	3/4	44,663	3/4	33,799	3/4	22,956	3/4	12,107	3/4	1,260	3/4	
2	66,164	2	55,300	2	44,436	2	33,573	2	22,731	2	11,881	2	1,037	2	
1/4	65,937	1/4	55,074	1/4	44,210	1/4	33,346	1/4	22,505	1/4	11,654	1/4	814	1/4	
1/2	65,711	1/2	54,847	1/2	43,984	1/2	33,120	1/2	22,280	1/2	11,428	1/2	598	1/2	
3/4	65,485	3/4	54,621	3/4	43,757	3/4	32,894	3/4	22,054	3/4	11,202	5/8	** 490	3/4	
3	65,258	3	54,395	3	43,531	3	32,667	3	21,829	3	10,976	3		3	
1/4	65,032	1/4	54,168	1/4	43,305	1/4	32,441	1/4	21,604	1/4	10,749	1/4		1/4	
1/2	64,806	1/2	53,942	1/2	43,078	1/2	32,215	1/2	21,378	1/2	10,523	1/2		1/2	
3/4	64,579	3/4	53,716	3/4	42,852	3/4	31,988	3/4	21,153	3/4	10,297	3/4		3/4	
4	64,353	4	53,489	4	42,626	4	31,762	4	20,927	4	10,070	4		4	
1/4	64,127	1/4	53,263	1/4	42,399	1/4	31,536	1/4	20,702	1/4	9,844	1/4		1/4	
1/2	63,900	1/2	53,037	1/2	42,173	1/2	31,309	1/2	20,477	1/2	9,618	1/2		1/2	
3/4	63,674	3/4	52,810	3/4	41,947	3/4	31,083	3/4	20,251	3/4	9,391	3/4		3/4	
5	63,448	5	52,584	5	41,720	5	30,857	5	20,026	5	9,165	5		5	
1/4	63,221	1/4	52,358	1/4	41,494	1/4	30,630	1/4	19,800	1/4	8,939	1/4		1/4	
1/2	62,995	1/2	52,131	1/2	41,268	1/2	30,404	1/2	19,575	1/2	8,712	1/2		1/2	
3/4	62,769	3/4	51,905	3/4	41,041	3/4	30,178	3/4	19,349	3/4	8,486	3/4		3/4	
6	62,542	6	51,679	6	40,815	6	29,951	6	19,123	6	8,260	6		6	
1/4	62,316	1/4	51,452	1/4	40,589	1/4	29,725	1/4	18,897	1/4	8,033	1/4		1/4	
1/2	62,090	1/2	51,226	1/2	40,362	1/2	29,499	1/2	18,670	1/2	7,807	1/2		1/2	
3/4	61,863	3/4	51,000	3/4	40,136	3/4	29,272	3/4	18,444	3/4	7,581	3/4		3/4	
7	61,637	7	50,773	7	39,910	7	29,046	7	18,218	7	7,354	7		7	
1/4	61,411	1/4	50,547	1/4	39,683	1/4	28,820	1/4	17,991	1/4	7,128	1/4		1/4	
1/2	61,184	1/2	50,321	1/2	39,457	1/2	28,593	1/2	17,765	1/2	6,902	1/2		1/2	
3/4	60,958	3/4	50,094	3/4	39,231	3/4	28,367	3/4	17,539	3/4	6,675	3/4		3/4	
8	60,732	8	49,868	8	39,004	8	28,141	8	17,312	8	6,449	8		8	
1/4	60,505	1/4	49,642	1/4	38,778	1/4	27,916	1/4	17,086	1/4	6,223	1/4		1/4	
1/2	60,279	1/2	49,415	1/2	38,552	1/2	27,690	1/2	16,860	1/2	5,997	1/2		1/2	
3/4	60,053	3/4	49,189	3/4	38,325	3/4	27,465	3/4	16,633	3/4	5,770	3/4		3/4	
9	59,827	9	48,963	9	38,099	9	27,239	9	16,407	9	5,544	9		9	
1/4	59,600	1/4	48,736	1/4	37,873	1/4	27,014	1/4	16,181	1/4	5,318	1/4		1/4	
1/2	59,374	1/2	48,510	1/2	37,646	1/2	26,788	1/2	15,954	1/2	5,091	1/2		1/2	
3/4	59,148	3/4	48,284	3/4	37,420	3/4	26,563	3/4	15,728	3/4	4,865	3/4		3/4	
10	58,921	10	48,058	10	37,194	10	26,337	10	15,502	10	4,639	10		10	
1/4	58,695	1/4	47,831	1/4	36,967	1/4	26,112	1/4	15,276	1/4	4,412	1/4		1/4	
1/2	58,469	1/2	47,605	1/2	36,741	1/2	25,887	1/2	15,049	1/2	4,186	1/2		1/2	
3/4	58,242	3/4	47,379	3/4	36,515	3/4	25,661	3/4	14,823	3/4	3,960	3/4		3/4	
11	58,016	11	47,152	11	36,289	11	25,436	11	14,597	11	3,734	11		11	
1/4	57,790	1/4	46,926	1/4	36,062	1/4	25,210	1/4	14,370	1/4	3,508	1/4		1/4	
1/2	57,563	1/2	46,700	1/2	35,836	1/2	24,985	1/2	14,144	1/2	3,283	1/2		1/2	
3/4	57,337	3/4	46,473	3/4	35,610	3/4	24,760	3/4	13,918	3/4	3,057	3/4		3/4	

** Volume below Strike Point.

Total Gauge Height - 17' 2 5/8" to 0' 00" of Hermetic Gauging Unit.
Gauge Point located near Center of Tank.

Reissued : April 1994
Strapped : 30 January 1981
Computed : H.M. *ADB*
Calculated per API 2553/66

ULLAGE TABLE



Inchcape Testing
Services
Calcb Brett

BARGE

IB946

NK

3

Capacities in Gallons

Table Scaled from Reference 0' 00" of Hermetic Gauging Unit

Page 1 of 2

3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET	
0		0	142,960	0	132,889	0	122,487	0	111,705	0	100,774	0	89,843	0	78,911
1/4		1/4	142,751	1/4	132,677	1/4	122,267	1/4	111,477	1/4	100,546	1/4	89,615	1/4	78,684
1/2		1/2	142,542	1/2	132,465	1/2	122,047	1/2	111,249	1/2	100,318	1/2	89,387	1/2	78,456
3/4		3/4	142,333	3/4	132,251	3/4	121,825	3/4	111,021	3/4	100,090	3/4	89,159	3/4	78,228
1	148,286	1	142,124	1	132,037	1	121,603	1	110,794	1	99,863	1	88,932	1	78,001
1/4	148,283	1/4	141,916	1/4	131,824	1/4	121,382	1/4	110,566	1/4	99,635	1/4	88,704	1/4	77,773
1/2	148,286	1/2	141,707	1/2	131,610	1/2	121,160	1/2	110,338	1/2	99,407	1/2	88,476	1/2	77,545
3/4	148,249	3/4	141,498	3/4	131,396	3/4	120,938	3/4	110,111	3/4	99,180	3/4	88,248	3/4	77,317
2	148,232	2	141,289	2	131,182	2	120,716	2	109,883	2	98,952	2	88,021	2	77,090
1/4	148,215	1/4	141,080	1/4	130,969	1/4	120,495	1/4	109,655	1/4	98,724	1/4	87,793	1/4	76,862
1/2	148,176	1/2	140,871	1/2	130,755	1/2	120,273	1/2	109,427	1/2	98,496	1/2	87,565	1/2	76,634
3/4	148,136	3/4	140,662	3/4	130,540	3/4	120,050	3/4	109,200	3/4	98,269	3/4	87,338	3/4	76,406
3	148,097	3	140,454	3	130,325	3	119,827	3	108,972	3	98,041	3	87,110	3	76,179
1/4	148,057	1/4	140,245	1/4	130,110	1/4	119,604	1/4	108,744	1/4	97,813	1/4	86,882	1/4	75,951
1/2	147,995	1/2	140,036	1/2	129,895	1/2	119,381	1/2	108,516	1/2	97,585	1/2	86,654	1/2	75,723
3/4	147,933	3/4	139,827	3/4	129,680	3/4	119,158	3/4	108,289	3/4	97,358	3/4	86,427	3/4	75,496
4	147,871	4	139,618	4	129,465	4	118,935	4	108,061	4	97,130	4	86,199	4	75,268
1/4	147,809	1/4	139,409	1/4	129,250	1/4	118,712	1/4	107,833	1/4	96,902	1/4	85,971	1/4	75,040
1/2	147,724	1/2	139,200	1/2	129,035	1/2	118,489	1/2	107,606	1/2	96,674	1/2	85,743	1/2	74,812
3/4	147,639	3/4	138,992	3/4	128,818	3/4	118,264	3/4	107,378	3/4	96,447	3/4	85,516	3/4	74,585
5	147,555	5	138,783	5	128,602	5	118,040	5	107,150	5	96,219	5	85,288	5	74,357
1/4	147,470	1/4	138,574	1/4	128,386	1/4	117,815	1/4	106,922	1/4	95,991	1/4	85,060	1/4	74,129
1/2	147,363	1/2	138,365	1/2	128,169	1/2	117,591	1/2	106,695	1/2	95,764	1/2	84,832	1/2	73,901
3/4	147,256	3/4	138,156	3/4	127,953	3/4	117,367	3/4	106,467	3/4	95,536	3/4	84,605	3/4	73,674
6	147,148	6	137,947	6	127,737	6	117,142	6	106,239	6	95,308	6	84,377	6	73,446
1/4	147,041	1/4	137,738	1/4	127,520	1/4	116,918	1/4	106,011	1/4	95,080	1/4	84,149	1/4	73,218
1/2	146,911	1/2	137,529	1/2	127,304	1/2	116,693	1/2	105,784	1/2	94,853	1/2	83,922	1/2	72,990
3/4	146,781	3/4	137,320	3/4	127,086	3/4	116,468	3/4	105,556	3/4	94,625	3/4	83,694	3/4	72,763
7	146,652	7	137,110	7	126,868	7	116,242	7	105,328	7	94,397	7	83,466	7	72,535
1/4	146,522	1/4	136,900	1/4	126,651	1/4	116,016	1/4	105,101	1/4	94,169	1/4	83,238	1/4	72,307
1/2	146,369	1/2	136,691	1/2	126,433	1/2	115,790	1/2	104,873	1/2	93,942	1/2	83,011	1/2	72,080
3/4	146,217	3/4	136,481	3/4	126,215	3/4	115,565	3/4	104,645	3/4	93,714	3/4	82,783	3/4	71,852
8	146,064	8	136,271	8	125,998	8	115,339	8	104,417	8	93,486	8	82,555	8	71,624
1/4	145,912	1/4	136,062	1/4	125,780	1/4	115,113	1/4	104,190	1/4	93,259	1/4	82,327	1/4	71,396
1/2	145,737	1/2	135,852	1/2	125,562	1/2	114,888	1/2	103,962	1/2	93,031	1/2	82,100	1/2	71,169
3/4	145,562	3/4	135,641	3/4	125,343	3/4	114,661	3/4	103,734	3/4	92,803	3/4	81,872	3/4	70,941
9	145,387	9	135,430	9	125,124	9	114,433	9	103,506	9	92,575	9	81,644	9	70,713
1/4	145,212	1/4	135,219	1/4	124,905	1/4	114,206	1/4	103,279	1/4	92,348	1/4	81,417	1/4	70,485
1/2	145,015	1/2	135,008	1/2	124,686	1/2	113,979	1/2	103,051	1/2	92,120	1/2	81,189	1/2	70,258
3/4	144,817	3/4	134,797	3/4	124,467	3/4	113,752	3/4	102,823	3/4	91,892	3/4	80,961	3/4	70,030
10	144,619	10	134,586	10	124,248	10	113,525	10	102,595	10	91,664	10	80,733	10	69,802
1/4	144,422	1/4	134,375	1/4	124,029	1/4	113,298	1/4	102,368	1/4	91,437	1/4	80,506	1/4	69,575
1/2	144,213	1/2	134,164	1/2	123,810	1/2	113,071	1/2	102,140	1/2	91,209	1/2	80,278	1/2	69,347
3/4	144,004	3/4	133,951	3/4	123,589	3/4	112,843	3/4	101,912	3/4	90,981	3/4	80,050	3/4	69,119
11	143,795	11	133,739	11	123,369	11	112,616	11	101,685	11	90,753	11	79,822	11	68,891
1/4	143,586	1/4	133,527	1/4	123,149	1/4	112,388	1/4	101,457	1/4	90,526	1/4	79,595	1/4	68,664
1/2	143,378	1/2	133,314	1/2	122,928	1/2	112,160	1/2	101,229	1/2	90,298	1/2	79,367	1/2	68,436
3/4	143,169	3/4	133,102	3/4	122,708	3/4	111,932	3/4	101,001	3/4	90,070	3/4	79,139	3/4	68,208

** Volume below Strike Point.

Total Gauge Height - 17' 2 1/8" to 0' 00" of Hermetic Gauging Unit.
Gauge Point located near Center of Tank.

ULLAGE TABLE



Inchcape Testing
Services
Caleb Brett

BARGE

IB946

TANK
3

Capacities in Gallons

Table Scaled from Reference 0' 00" of Hermetic Gauging Unit

Page 2 of 2

11 FEET		12 FEET		13 FEET		14 FEET		15 FEET		16 FEET		17 FEET		18 FEET	
0	67,980	0	57,049	0	46,118	0	35,187	0	24,258	0	13,329	0	2,404	0	
1/4	67,753	1/4	56,822	1/4	45,891	1/4	34,959	1/4	24,030	1/4	13,101	1/4	2,178	1/4	
1/2	67,525	1/2	56,594	1/2	45,663	1/2	34,732	1/2	23,802	1/2	12,873	1/2	1,952	1/2	
3/4	67,297	3/4	56,366	3/4	45,435	3/4	34,504	3/4	23,575	3/4	12,646	3/4	1,726	3/4	
1	67,069	1	56,138	1	45,207	1	34,276	1	23,347	1	12,418	1	1,501	1	
1/4	66,842	1/4	55,911	1/4	44,980	1/4	34,049	1/4	23,119	1/4	12,190	1/4	1,276	1/4	
1/2	66,614	1/2	55,683	1/2	44,752	1/2	33,821	1/2	22,892	1/2	11,962	1/2	1,051	1/2	
3/4	66,386	3/4	55,455	3/4	44,524	3/4	33,593	3/4	22,664	3/4	11,735	3/4	826	3/4	
2	66,159	2	55,227	2	44,296	2	33,365	2	22,437	2	11,507	2	604	2	
1/4	65,931	1/4	55,000	1/4	44,069	1/4	33,138	1/4	22,209	1/4	11,279	1/8	** 493	1/4	
1/2	65,703	1/2	54,772	1/2	43,841	1/2	32,910	1/2	21,981	1/2	11,051	1/2		1/2	
3/4	65,475	3/4	54,544	3/4	43,613	3/4	32,682	3/4	21,754	3/4	10,824	3/4		3/4	
3	65,248	3	54,317	3	43,386	3	32,454	3	21,526	3	10,596	3		3	
1/4	65,020	1/4	54,089	1/4	43,158	1/4	32,227	1/4	21,298	1/4	10,368	1/4		1/4	
1/2	64,792	1/2	53,861	1/2	42,930	1/2	31,999	1/2	21,071	1/2	10,141	1/2		1/2	
3/4	64,564	3/4	53,633	3/4	42,702	3/4	31,771	3/4	20,843	3/4	9,913	3/4		3/4	
4	64,337	4	53,406	4	42,475	4	31,544	4	20,616	4	9,685	4		4	
1/4	64,109	1/4	53,178	1/4	42,247	1/4	31,316	1/4	20,388	1/4	9,457	1/4		1/4	
1/2	63,881	1/2	52,950	1/2	42,019	1/2	31,088	1/2	20,160	1/2	9,230	1/2		1/2	
3/4	63,654	3/4	52,722	3/4	41,791	3/4	30,860	3/4	19,933	3/4	9,002	3/4		3/4	
5	63,426	5	52,495	5	41,564	5	30,633	5	19,705	5	8,774	5		5	
1/4	63,198	1/4	52,267	1/4	41,336	1/4	30,405	1/4	19,477	1/4	8,547	1/4		1/4	
1/2	62,970	1/2	52,039	1/2	41,108	1/2	30,177	1/2	19,249	1/2	8,319	1/2		1/2	
3/4	62,743	3/4	51,812	3/4	40,880	3/4	29,949	3/4	19,022	3/4	8,091	3/4		3/4	
6	62,515	6	51,584	6	40,653	6	29,722	6	18,794	6	7,863	6		6	
1/4	62,287	1/4	51,356	1/4	40,425	1/4	29,494	1/4	18,566	1/4	7,636	1/4		1/4	
1/2	62,059	1/2	51,128	1/2	40,197	1/2	29,266	1/2	18,339	1/2	7,408	1/2		1/2	
3/4	61,832	3/4	50,901	3/4	39,970	3/4	29,038	3/4	18,111	3/4	7,180	3/4		3/4	
7	61,604	7	50,673	7	39,742	7	28,811	7	17,883	7	6,953	7		7	
1/4	61,376	1/4	50,445	1/4	39,514	1/4	28,583	1/4	17,655	1/4	6,725	1/4		1/4	
1/2	61,148	1/2	50,217	1/2	39,286	1/2	28,355	1/2	17,428	1/2	6,497	1/2		1/2	
3/4	60,921	3/4	49,990	3/4	39,059	3/4	28,128	3/4	17,200	3/4	6,269	3/4		3/4	
8	60,693	8	49,762	8	38,831	8	27,900	8	16,972	8	6,042	8		8	
1/4	60,465	1/4	49,534	1/4	38,603	1/4	27,672	1/4	16,745	1/4	5,814	1/4		1/4	
1/2	60,238	1/2	49,307	1/2	38,375	1/2	27,444	1/2	16,517	1/2	5,586	1/2		1/2	
3/4	60,010	3/4	49,079	3/4	38,148	3/4	27,217	3/4	16,289	3/4	5,358	3/4		3/4	
9	59,782	9	48,851	9	37,920	9	26,989	9	16,061	9	5,131	9		9	
1/4	59,554	1/4	48,623	1/4	37,692	1/4	26,762	1/4	15,834	1/4	4,903	1/4		1/4	
1/2	59,327	1/2	48,396	1/2	37,465	1/2	26,534	1/2	15,606	1/2	4,675	1/2		1/2	
3/4	59,099	3/4	48,168	3/4	37,237	3/4	26,306	3/4	15,378	3/4	4,448	3/4		3/4	
10	58,871	10	47,940	10	37,009	10	26,079	10	15,150	10	4,220	10		10	
1/4	58,643	1/4	47,712	1/4	36,781	1/4	25,851	1/4	14,923	1/4	3,993	1/4		1/4	
1/2	58,416	1/2	47,485	1/2	36,554	1/2	25,623	1/2	14,695	1/2	3,765	1/2		1/2	
3/4	58,188	3/4	47,257	3/4	36,326	3/4	25,396	3/4	14,467	3/4	3,538	3/4		3/4	
11	57,960	11	47,029	11	36,098	11	25,168	11	14,240	11	3,311	11		11	
1/4	57,733	1/4	46,801	1/4	35,870	1/4	24,941	1/4	14,012	1/4	3,084	1/4		1/4	
1/2	57,505	1/2	46,574	1/2	35,643	1/2	24,719	1/2	13,784	1/2	2,857	1/2		1/2	
3/4	57,277	3/4	46,346	3/4	35,415	3/4	24,485	3/4	13,556	3/4	2,630	3/4		3/4	

** Volume below Strike Point.

Reissued : April 1994
Strapped : 30 January 1981
Computed : H.M.

Total Gauge Height - 17' 2 1/8" to 0' 00" of Hermetic Gauging Unit.
Gauge Point located near Center of Tank.

Calculated per API 2553/66

ULLAGE TABLE