



Intertek Testing Services DOUBLE SKIN TANK  
Caleb Brett

"IB 1932"

HULL# 97-2141

TANK: 2  
TOTAL GAUGE HEIGHT: 15' 09"

CAPACITIES IN U.S. GALLONS

IN	0 FT	IN	1 FT	IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT
0	36	0	10428	0	22051	0	33648	0	45267	0	56892	0	68516	0	80141
1/4	67	1/4	10670	1/4	22293	1/4	33889	1/4	45509	1/4	57134	1/4	68758	1/4	80383
1/2	117	1/2	10912	1/2	22535	1/2	34131	1/2	45751	1/2	57376	1/2	69001	1/2	80625
3/4	188	3/4	11154	3/4	22777	3/4	34372	3/4	45993	3/4	57618	3/4	69243	3/4	80867
1	279	1	11397	1	23020	1	34613	1	46236	1	57860	1	69485	1	81109
1/4	390	1/4	11639	1/4	23262	1/4	34855	1/4	46478	1/4	58102	1/4	69727	1/4	81352
1/2	521	1/2	11881	1/2	23504	1/2	35096	1/2	46720	1/2	58345	1/2	69969	1/2	81594
3/4	672	3/4	12123	3/4	23746	3/4	35337	3/4	46962	3/4	58587	3/4	70211	3/4	81836
2	843	2	12365	2	23988	2	35580	2	47204	2	58829	2	70454	2	82078
1/4	1035	1/4	12607	1/4	24230	1/4	35822	1/4	47446	1/4	59071	1/4	70696	1/4	82320
1/2	1247	1/2	12849	1/2	24472	1/2	36064	1/2	47689	1/2	59313	1/2	70938	1/2	82562
3/4	1479	3/4	13092	3/4	24714	3/4	36306	3/4	47931	3/4	59556	3/4	71180	3/4	82805
3	1711	3	13334	3	24956	3	36548	3	48173	3	59798	3	71422	3	83047
1/4	1953	1/4	13576	1/4	25199	1/4	36790	1/4	48415	1/4	60040	1/4	71665	1/4	83289
1/2	2195	1/2	13818	1/2	25441	1/2	37033	1/2	48657	1/2	60282	1/2	71907	1/2	83531
3/4	2437	3/4	14060	3/4	25683	3/4	37275	3/4	48900	3/4	60524	3/4	72149	3/4	83773
4	2679	4	14302	4	25925	4	37517	4	49142	4	60766	4	72391	4	84015
1/4	2921	1/4	14545	1/4	26166	1/4	37759	1/4	49384	1/4	61009	1/4	72633	1/4	84258
1/2	3164	1/2	14787	1/2	26408	1/2	38001	1/2	49626	1/2	61251	1/2	72875	1/2	84500
3/4	3406	3/4	15029	3/4	26649	3/4	38244	3/4	49868	3/4	61493	3/4	73118	3/4	84742
5	3648	5	15271	5	26890	5	38486	5	50110	5	61735	5	73360	5	84984
1/4	3890	1/4	15513	1/4	27132	1/4	38728	1/4	50353	1/4	61977	1/4	73602	1/4	85226
1/2	4132	1/2	15755	1/2	27373	1/2	38970	1/2	50595	1/2	62220	1/2	73844	1/2	85468
3/4	4374	3/4	15997	3/4	27614	3/4	39212	3/4	50837	3/4	62462	3/4	74086	3/4	85711
6	4616	6	16240	6	27856	6	39454	6	51079	6	62704	6	74328	6	85953
1/4	4859	1/4	16482	1/4	28097	1/4	39697	1/4	51321	1/4	62946	1/4	74571	1/4	86195
1/2	5101	1/2	16724	1/2	28338	1/2	39939	1/2	51564	1/2	63188	1/2	74813	1/2	86437
3/4	5343	3/4	16966	3/4	28580	3/4	40181	3/4	51806	3/4	63430	3/4	75055	3/4	86679
7	5585	7	17208	7	28821	7	40423	7	52048	7	63673	7	75297	7	86921
1/4	5827	1/4	17450	1/4	29062	1/4	40665	1/4	52290	1/4	63915	1/4	75539	1/4	87164
1/2	6069	1/2	17692	1/2	29304	1/2	40908	1/2	52532	1/2	64157	1/2	75782	1/2	87406
3/4	6311	3/4	17935	3/4	29545	3/4	41150	3/4	52774	3/4	64399	3/4	76024	3/4	87648
8	6554	8	18177	8	29786	8	41392	8	53017	8	64641	8	76266	8	87890
1/4	6796	1/4	18419	1/4	30028	1/4	41634	1/4	53259	1/4	64883	1/4	76508	1/4	88132
1/2	7038	1/2	18661	1/2	30269	1/2	41876	1/2	53501	1/2	65126	1/2	76750	1/2	88374
3/4	7280	3/4	18903	3/4	30510	3/4	42118	3/4	53743	3/4	65368	3/4	76992	3/4	88617
9	7522	9	19145	9	30752	9	42361	9	53985	9	65610	9	77235	9	88859
1/4	7764	1/4	19388	1/4	30993	1/4	42603	1/4	54228	1/4	65852	1/4	77477	1/4	89101
1/2	8007	1/2	19630	1/2	31234	1/2	42845	1/2	54470	1/2	66094	1/2	77719	1/2	89343
3/4	8249	3/4	19872	3/4	31476	3/4	43087	3/4	54712	3/4	66337	3/4	77961	3/4	89585
10	8491	10	20114	10	31717	10	43329	10	54954	10	66579	10	78203	10	89828
1/4	8733	1/4	20356	1/4	31958	1/4	43572	1/4	55196	1/4	66821	1/4	78445	1/4	90070
1/2	8975	1/2	20598	1/2	32200	1/2	43814	1/2	55438	1/2	67063	1/2	78688	1/2	90312
3/4	9217	3/4	20840	3/4	32441	3/4	44056	3/4	55681	3/4	67305	3/4	78930	3/4	90554
11	9459	11	21083	11	32683	11	44298	11	55923	11	67547	11	79172	11	90796
1/4	9702	1/4	21325	1/4	32924	1/4	44540	1/4	56165	1/4	67790	1/4	79414	1/4	91038
1/2	9944	1/2	21567	1/2	33165	1/2	44782	1/2	56407	1/2	68032	1/2	79656	1/2	91281
3/4	10186	3/4	21809	3/4	33407	3/4	45025	3/4	56649	3/4	68274	3/4	79898	3/4	91523

\*\* VOLUME OF SLUMP

GAUGE FROM MMC/UTI VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7

Calibrated: K/T/AH

Calculation: WHF

Dated: April 24, 1998

FORM NO. 1



Intertek Testing Services DOUBLE SKIN BARGE  
Caleb Brett

"IB-1932"

HULL# 97-2141

TANK: 2

TOTAL GAUGE HEIGHT: 15' 09"

CAPACITIES IN U.S. GALLONS

IN	8 FT	IN	9 FT	IN	10 FT	IN	11 FT	IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT
0	91765	0	103389	0	115012	0	126635	0	138258	0	149882	0	161507	0	
1/4	92007	1/4	103631	1/4	115254	1/4	126877	1/4	138500	1/4	150125	1/4	161749	1/4	
1/2	92249	1/2	103873	1/2	115496	1/2	127119	1/2	138742	1/2	150367	1/2	161991	1/2	
3/4	92491	3/4	104115	3/4	115738	3/4	127361	3/4	138984	3/4	150609	3/4	162234	3/4	
1	92734	1	104357	1	115980	1	127603	1	139227	1	150851	1	162476	1	
1/4	92976	1/4	104600	1/4	116223	1/4	127846	1/4	139469	1/4	151093	1/4	162718	1/4	
1/2	93218	1/2	104842	1/2	116465	1/2	128088	1/2	139711	1/2	151336	1/2	162960	1/2	
3/4	93460	3/4	105084	3/4	116707	3/4	128330	3/4	139953	3/4	151578	3/4	163202	3/4	
2	93702	2	105326	2	116949	2	128572	2	140195	2	151820	2	163445	2	
1/4	93944	1/4	105568	1/4	117191	1/4	128814	1/4	140437	1/4	152062	1/4	163687	1/4	
1/2	94187	1/2	105810	1/2	117433	1/2	129056	1/2	140680	1/2	152304	1/2	163929	1/2	
3/4	94429	3/4	106052	3/4	117675	3/4	129298	3/4	140922	3/4	152546	3/4	164171	3/4	
3	94671	3	106295	3	117918	3	129541	3	141164	3	152789	3	164408	3	
1/4	94913	1/4	106537	1/4	118160	1/4	129783	1/4	141406	1/4	153031	1/4	164634	1/4	
1/2	95155	1/2	106779	1/2	118402	1/2	130025	1/2	141648	1/2	153273	1/2	164850	1/2	
3/4	95397	3/4	107021	3/4	118644	3/4	130267	3/4	141891	3/4	153515	3/4	165056	3/4	
4	95640	4	107263	4	118886	4	130509	4	142133	4	153757	4	165250	4	
1/4	95882	1/4	107505	1/4	119128	1/4	130751	1/4	142375	1/4	154000	1/4	165435	1/4	
1/2	96124	1/2	107747	1/2	119370	1/2	130993	1/2	142617	1/2	154242	1/2	165608	1/2	
3/4	96366	3/4	107990	3/4	119613	3/4	131236	3/4	142859	3/4	154484	3/4	165772	3/4	
5	96608	5	108232	5	119855	5	131478	5	143101	5	154726	5	165924	5	
1/4	96850	1/4	108474	1/4	120097	1/4	131720	1/4	143344	1/4	154968	1/4	166066	1/4	
1/2	97093	1/2	108716	1/2	120339	1/2	131962	1/2	143586	1/2	155210	1/2	166198	1/2	
3/4	97335	3/4	108958	3/4	120581	3/4	132204	3/4	143828	3/4	155453	3/4	166319	3/4	
6	97577	6	109200	6	120823	6	132446	6	144070	6	155695	6	166430	6	
1/4	97819	1/4	109443	1/4	121065	1/4	132688	1/4	144312	1/4	155937	1/4	166530	1/4	
1/2	98061	1/2	109685	1/2	121308	1/2	132931	1/2	144555	1/2	156179	1/2	166619	1/2	
3/4	98304	3/4	109927	3/4	121550	3/4	133173	3/4	144797	3/4	156421	3/4	166698	3/4	
7	98546	7	110169	7	121792	7	133415	7	145039	7	156663	7	166767	7	
1/4	98788	1/4	110411	1/4	122034	1/4	133657	1/4	145281	1/4	156906	1/4	166824	1/4	
1/2	99030	1/2	110653	1/2	122276	1/2	133899	1/2	145523	1/2	157148	1/2	166872	1/2	
3/4	99272	3/4	110895	3/4	122518	3/4	134141	3/4	145765	3/4	157390	3/4	166909	3/4	
8	99514	8	111138	8	122761	8	134383	8	146008	8	157632	8	166935	8	
1/4	99757	1/4	111380	1/4	123003	1/4	134626	1/4	146250	1/4	157874	1/4	166951	1/4	
1/2	99999	1/2	111622	1/2	123245	1/2	134868	1/2	146492	1/2	158117	1/2		1/2	
3/4	100241	3/4	111864	3/4	123487	3/4	135110	3/4	146734	3/4	158359	3/4		3/4	
9	100483	9	112106	9	123729	9	135352	9	146976	9	158601	9		9	
1/4	100725	1/4	112348	1/4	123971	1/4	135594	1/4	147218	1/4	158843	1/4		1/4	
1/2	100967	1/2	112590	1/2	124213	1/2	135836	1/2	147461	1/2	159085	1/2		1/2	
3/4	101210	3/4	112833	3/4	124456	3/4	136078	3/4	147703	3/4	159327	3/4		3/4	
10	101452	10	113075	10	124698	10	136321	10	147945	10	159570	10		10	
1/4	101694	1/4	113317	1/4	124940	1/4	136563	1/4	148187	1/4	159812	1/4		1/4	
1/2	101936	1/2	113559	1/2	125182	1/2	136805	1/2	148429	1/2	160054	1/2		1/2	
3/4	102178	3/4	113801	3/4	125424	3/4	137047	3/4	148672	3/4	160296	3/4		3/4	
11	102420	11	114043	11	125666	11	137289	11	148914	11	160538	11		11	
1/4	102662	1/4	114285	1/4	125908	1/4	137531	1/4	149156	1/4	160781	1/4		1/4	
1/2	102905	1/2	114528	1/2	126151	1/2	137774	1/2	149398	1/2	161023	1/2		1/2	
3/4	103147	3/4	114770	3/4	126393	3/4	138016	3/4	149640	3/4	161265	3/4		3/4	

THIS TABLE IS SCALED FROM THE BOTTOM STRIKE POINT BELOW THE MUD VALVE TO TOP OF THE TANK AT CENTERLINE.

Calibrated: KT/AH  
Calculation: WBF  
Dated: April 24, 1998

CAPACITIES IN U.S. GALLONS

HULL # 97-2141

TOTAL GAUGE HEIGHT: 15'  
09"

IN	0 FT	IN	1 FT	IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT
0	35	0	9398	0	19870	0	30341	0	40814	0	51288	0	61762	0	72235
1/4	63	1/4	9616	1/4	20088	1/4	30559	1/4	41032	1/4	51506	1/4	61980	1/4	72453
1/2	108	1/2	9834	1/2	20306	1/2	30777	1/2	41251	1/2	51724	1/2	62198	1/2	72672
3/4	172	3/4	10052	3/4	20524	3/4	30995	3/4	41469	3/4	51943	3/4	62416	3/4	72890
1	254	1	10271	1	20743	1	31213	1	41687	1	52161	1	62634	1	73108
1/4	354	1/4	10489	1/4	20961	1/4	31431	1/4	41905	1/4	52379	1/4	62853	1/4	73326
1/2	472	1/2	10707	1/2	21179	1/2	31650	1/2	42123	1/2	52597	1/2	63071	1/2	73544
3/4	608	3/4	10925	3/4	21397	3/4	31868	3/4	42342	3/4	52815	3/4	63289	3/4	73762
2	763	2	11143	2	21615	2	32086	2	42560	2	53034	2	63507	2	73981
1/4	935	1/4	11362	1/4	21833	1/4	32304	1/4	42778	1/4	53252	1/4	63725	1/4	74199
1/2	1126	1/2	11580	1/2	22051	1/2	32522	1/2	42996	1/2	53470	1/2	63944	1/2	74417
3/4	1326	3/4	11798	3/4	22270	3/4	32741	3/4	43214	3/4	53688	3/4	64162	3/4	74635
3	1544	3	12016	3	22488	3	32959	3	43433	3	53906	3	64380	3	74853
1/4	1762	1/4	12234	1/4	22706	1/4	33177	1/4	43651	1/4	54125	1/4	64598	1/4	75072
1/2	1980	1/2	12452	1/2	22924	1/2	33395	1/2	43869	1/2	54343	1/2	64816	1/2	75290
3/4	2198	3/4	12671	3/4	23142	3/4	33613	3/4	44087	3/4	54561	3/4	65035	3/4	75508
4	2416	4	12889	4	23360	4	33832	4	44305	4	54779	4	65253	4	75726
1/4	2635	1/4	13107	1/4	23578	1/4	34050	1/4	44524	1/4	54997	1/4	65471	1/4	75944
1/2	2853	1/2	13325	1/2	23796	1/2	34268	1/2	44742	1/2	55216	1/2	65689	1/2	76163
3/4	3071	3/4	13543	3/4	24015	3/4	34486	3/4	44960	3/4	55434	3/4	65907	3/4	76381
5	3289	5	13761	5	24233	5	34704	5	45178	5	55652	5	66126	5	76599
1/4	3507	1/4	13980	1/4	24451	1/4	34923	1/4	45396	1/4	55870	1/4	66344	1/4	76817
1/2	3726	1/2	14198	1/2	24669	1/2	35141	1/2	45615	1/2	56088	1/2	66562	1/2	77035
3/4	3944	3/4	14416	3/4	24887	3/4	35359	3/4	45833	3/4	56307	3/4	66780	3/4	77254
6	4162	6	14634	6	25105	6	35577	6	46051	6	56525	6	66998	6	77472
1/4	4380	1/4	14852	1/4	25323	1/4	35795	1/4	46269	1/4	56743	1/4	67217	1/4	77690
1/2	4598	1/2	15070	1/2	25542	1/2	36014	1/2	46487	1/2	56961	1/2	67435	1/2	77908
3/4	4816	3/4	15289	3/4	25760	3/4	36232	3/4	46706	3/4	57179	3/4	67653	3/4	78126
7	5035	7	15507	7	25978	7	36450	7	46924	7	57398	7	67871	7	78345
1/4	5253	1/4	15725	1/4	26196	1/4	36668	1/4	47142	1/4	57616	1/4	68089	1/4	78563
1/2	5471	1/2	15943	1/2	26414	1/2	36886	1/2	47360	1/2	57834	1/2	68308	1/2	78781
3/4	5689	3/4	16161	3/4	26632	3/4	37105	3/4	47578	3/4	58052	3/4	68526	3/4	78999
8	5907	8	16379	8	26850	8	37323	8	47797	8	58270	8	68744	8	79217
1/4	6125	1/4	16598	1/4	27069	1/4	37541	1/4	48015	1/4	58489	1/4	68962	1/4	79435
1/2	6344	1/2	16816	1/2	27287	1/2	37759	1/2	48233	1/2	58707	1/2	69180	1/2	79654
3/4	6562	3/4	17034	3/4	27505	3/4	37978	3/4	48451	3/4	58925	3/4	69399	3/4	79872
9	6780	9	17252	9	27723	9	38196	9	48669	9	59143	9	69617	9	80090
1/4	6998	1/4	17470	1/4	27941	1/4	38414	1/4	48888	1/4	59361	1/4	69835	1/4	80308
1/2	7216	1/2	17688	1/2	28159	1/2	38632	1/2	49106	1/2	59580	1/2	70053	1/2	80526
3/4	7434	3/4	17907	3/4	28377	3/4	38850	3/4	49324	3/4	59798	3/4	70271	3/4	80745
10	7653	10	18125	10	28596	10	39069	10	49542	10	60016	10	70490	10	80963
1/4	7871	1/4	18343	1/4	28814	1/4	39287	1/4	49761	1/4	60234	1/4	70708	1/4	81181
1/2	8089	1/2	18561	1/2	29032	1/2	39505	1/2	49979	1/2	60452	1/2	70926	1/2	81399
3/4	8307	3/4	18779	3/4	29250	3/4	39723	3/4	50197	3/4	60671	3/4	71144	3/4	81617
11	8525	11	18998	11	29468	11	39941	11	50415	11	60889	11	71362	11	81836
1/4	8743	1/4	19216	1/4	29686	1/4	40160	1/4	50633	1/4	61107	1/4	71581	1/4	82054
1/2	8962	1/2	19434	1/2	29904	1/2	40378	1/2	50852	1/2	61325	1/2	71799	1/2	82272
3/4	9180	3/4	19652	3/4	30123	3/4	40596	3/4	51070	3/4	61543	3/4	72017	3/4	82490

\* VOLUME OF SLURP

GAUGE FROM MANHOLE VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7

Calibrated: KJA/H

Calculation: WHF

Dated: April 24, 1998

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CAPACITIES IN U.S. GALLONS

IN	8 FT	IN	9 FT	IN	10 FT	IN	11 FT	IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT
0	82708	0	93181	0	103653	0	114125	0	124598	0	135071	0	145545	0	
1/4	82927	1/4	93400	1/4	103872	1/4	114344	1/4	124816	1/4	135289	1/4	145763	1/4	
1/2	83145	1/2	93618	1/2	104090	1/2	114562	1/2	125034	1/2	135508	1/2	145981	1/2	
3/4	83363	3/4	93836	3/4	104308	3/4	114780	3/4	125252	3/4	135726	3/4	146199	3/4	
1	83581	1	94054	1	104526	1	114998	1	125470	1	135944	1	146418	1	
1/4	83799	1/4	94272	1/4	104744	1/4	115216	1/4	125689	1/4	136162	1/4	146636	1/4	
1/2	84018	1/2	94490	1/2	104962	1/2	115434	1/2	125907	1/2	136380	1/2	146854	1/2	
3/4	84236	3/4	94709	3/4	105181	3/4	115653	3/4	126125	3/4	136599	3/4	147072	3/4	
2	84454	2	94927	2	105399	2	115871	2	126343	2	136817	2	147290	2	
1/4	84672	1/4	95145	1/4	105617	1/4	116089	1/4	126561	1/4	137035	1/4	147509	1/4	
1/2	84890	1/2	95363	1/2	105835	1/2	116307	1/2	126780	1/2	137253	1/2	147727	1/2	
3/4	85109	3/4	95581	3/4	106053	3/4	116525	3/4	126998	3/4	137471	3/4	147932	3/4	
3	85327	3	95799	3	106271	3	116743	3	127216	3	137690	3	148128	3	
1/4	85545	1/4	96018	1/4	106490	1/4	116962	1/4	127434	1/4	137908	1/4	148315	1/4	
1/2	85763	1/2	96236	1/2	106708	1/2	117180	1/2	127652	1/2	138126	1/2	148494	1/2	
3/4	85981	3/4	96454	3/4	106926	3/4	117398	3/4	127871	3/4	138344	3/4	148664	3/4	
4	86199	4	96672	4	107144	4	117616	4	128089	4	138562	4	148825	4	
1/4	86418	1/4	96890	1/4	107362	1/4	117834	1/4	128307	1/4	138781	1/4	148977	1/4	
1/2	86636	1/2	97108	1/2	107580	1/2	118052	1/2	128525	1/2	138999	1/2	149121	1/2	
3/4	86854	3/4	97327	3/4	107799	3/4	118271	3/4	128743	3/4	139217	3/4	149256	3/4	
5	87072	5	97545	5	108017	5	118489	5	128962	5	139435	5	149382	5	
1/4	87290	1/4	97763	1/4	108235	1/4	118707	1/4	129180	1/4	139653	1/4	149500	1/4	
1/2	87509	1/2	97981	1/2	108453	1/2	118925	1/2	129398	1/2	139872	1/2	149609	1/2	
3/4	87727	3/4	98199	3/4	108671	3/4	119143	3/4	129616	3/4	140090	3/4	149709	3/4	
6	87945	6	98417	6	108889	6	119361	6	129834	6	140308	6	149801	6	
1/4	88163	1/4	98636	1/4	109108	1/4	119580	1/4	130053	1/4	140526	1/4	149883	1/4	
1/2	88381	1/2	98854	1/2	109326	1/2	119798	1/2	130271	1/2	140744	1/2	149957	1/2	
3/4	88600	3/4	99072	3/4	109544	3/4	120016	3/4	130489	3/4	140963	3/4	150023	3/4	
7	88818	7	99290	7	109762	7	120234	7	130707	7	141181	7	150079	7	
1/4	89036	1/4	99508	1/4	109980	1/4	120452	1/4	130925	1/4	141399	1/4	150127	1/4	
1/2	89254	1/2	99726	1/2	110198	1/2	120670	1/2	131144	1/2	141617	1/2	150166	1/2	
3/4	89472	3/4	99945	3/4	110417	3/4	120889	3/4	131362	3/4	141835	3/4	150197	3/4	
8	89691	8	100163	8	110635	8	121107	8	131580	8	142054	8	150219	8	
1/4	89909	1/4	100381	1/4	110853	1/4	121325	1/4	131798	1/4	142272	1/4	150232	1/4	
1/2	90127	1/2	100599	1/2	111071	1/2	121543	1/2	132016	1/2	142490	1/2	150236	1/2	
3/4	90345	3/4	100817	3/4	111289	3/4	121761	3/4	132235	3/4	142708	3/4		3/4	
9	90563	9	101035	9	111507	9	121979	9	132453	9	142926	9		9	
1/4	90782	1/4	101254	1/4	111726	1/4	122198	1/4	132671	1/4	143145	1/4		1/4	
1/2	91000	1/2	101472	1/2	111944	1/2	122416	1/2	132889	1/2	143363	1/2		1/2	
3/4	91218	3/4	101690	3/4	112162	3/4	122634	3/4	133107	3/4	143581	3/4		3/4	
10	91436	10	101908	10	112380	10	122852	10	133326	10	143799	10		10	
1/4	91654	1/4	102126	1/4	112598	1/4	123070	1/4	133544	1/4	144017	1/4		1/4	
1/2	91872	1/2	102344	1/2	112816	1/2	123288	1/2	133762	1/2	144236	1/2		1/2	
3/4	92091	3/4	102563	3/4	113035	3/4	123507	3/4	133980	3/4	144454	3/4		3/4	
11	92309	11	102781	11	113253	11	123725	11	134198	11	144672	11		11	
1/4	92527	1/4	102999	1/4	113471	1/4	123943	1/4	134417	1/4	144890	1/4		1/4	
1/2	92745	1/2	103217	1/2	113689	1/2	124161	1/2	134635	1/2	145108	1/2		1/2	
3/4	92963	3/4	103435	3/4	113907	3/4	124379	3/4	134853	3/4	145327	3/4		3/4	

THIS TABLE IS SCALED FROM THE BOTTOM STRIKE POINT BELOW THE MANHOLE VALVE TO TOP OF THE TANK AT CENTERLINE

Calibrated: KT/AH  
Calculation: WHF  
Dated: April 24, 1998

CAPACITIES IN U.S. GALLONS

IN	0 FT	IN	1 FT	IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT
0	36	0	10395	0	21980	0	33542	0	45123	0	56709	0	68295	0	79880
1/4	67	1/4	10636	1/4	22221	1/4	33783	1/4	45365	1/4	56950	1/4	68536	1/4	80122
1/2	117	1/2	10877	1/2	22462	1/2	34024	1/2	45606	1/2	57192	1/2	68777	1/2	80363
3/4	187	3/4	11119	3/4	22704	3/4	34264	3/4	45847	3/4	57433	3/4	69019	3/4	80605
1	278	1	11360	1	22945	1	34505	1	46089	1	57674	1	69260	1	80846
1/4	388	1/4	11601	1/4	23186	1/4	34746	1/4	46330	1/4	57916	1/4	69501	1/4	81087
1/2	519	1/2	11843	1/2	23428	1/2	34986	1/2	46571	1/2	58157	1/2	69743	1/2	81329
3/4	670	3/4	12084	3/4	23669	3/4	35227	3/4	46813	3/4	58399	3/4	69984	3/4	81570
2	841	2	12326	2	23910	2	35468	2	47054	2	58640	2	70226	2	81811
1/4	1032	1/4	12567	1/4	24152	1/4	35710	1/4	47296	1/4	58881	1/4	70467	1/4	82053
1/2	1243	1/2	12808	1/2	24393	1/2	35951	1/2	47537	1/2	59123	1/2	70708	1/2	82294
3/4	1475	3/4	13050	3/4	24634	3/4	36193	3/4	47778	3/4	59364	3/4	70950	3/4	82536
3	1705	3	13291	3	24875	3	36434	3	48020	3	59605	3	71191	3	82777
1/4	1947	1/4	13532	1/4	25117	1/4	36675	1/4	48261	1/4	59847	1/4	71432	1/4	83018
1/2	2188	1/2	13774	1/2	25358	1/2	36917	1/2	48502	1/2	60088	1/2	71674	1/2	83260
3/4	2430	3/4	14015	3/4	25599	3/4	37158	3/4	48744	3/4	60329	3/4	71915	3/4	83501
4	2671	4	14256	4	25841	4	37399	4	48985	4	60571	4	72156	4	83742
1/4	2912	1/4	14498	1/4	26081	1/4	37641	1/4	49227	1/4	60812	1/4	72398	1/4	83984
1/2	3154	1/2	14739	1/2	26322	1/2	37882	1/2	49468	1/2	61054	1/2	72639	1/2	84225
3/4	3395	3/4	14980	3/4	26563	3/4	38123	3/4	49709	3/4	61295	3/4	72881	3/4	84467
5	3636	5	15222	5	26803	5	38365	5	49951	5	61536	5	73122	5	84708
1/4	3878	1/4	15463	1/4	27044	1/4	38606	1/4	50192	1/4	61778	1/4	73363	1/4	84949
1/2	4119	1/2	15704	1/2	27285	1/2	38848	1/2	50433	1/2	62019	1/2	73605	1/2	85191
3/4	4361	3/4	15946	3/4	27525	3/4	39089	3/4	50675	3/4	62260	3/4	73846	3/4	85432
6	4602	6	16187	6	27766	6	39330	6	50916	6	62502	6	74087	6	85673
1/4	4843	1/4	16429	1/4	28007	1/4	39572	1/4	51157	1/4	62743	1/4	74329	1/4	85915
1/2	5085	1/2	16670	1/2	28247	1/2	39813	1/2	51399	1/2	62985	1/2	74570	1/2	86156
3/4	5326	3/4	16911	3/4	28488	3/4	40054	3/4	51640	3/4	63226	3/4	74812	3/4	86398
7	5568	7	17153	7	28729	7	40296	7	51882	7	63467	7	75053	7	86639
1/4	5809	1/4	17394	1/4	28969	1/4	40537	1/4	52123	1/4	63709	1/4	75294	1/4	86880
1/2	6050	1/2	17635	1/2	29210	1/2	40779	1/2	52364	1/2	63950	1/2	75536	1/2	87122
3/4	6292	3/4	17877	3/4	29451	3/4	41020	3/4	52606	3/4	64191	3/4	75777	3/4	87363
8	6533	8	18118	8	29692	8	41261	8	52847	8	64433	8	76018	8	87605
1/4	6774	1/4	18359	1/4	29932	1/4	41503	1/4	53088	1/4	64674	1/4	76260	1/4	87846
1/2	7016	1/2	18601	1/2	30173	1/2	41744	1/2	53330	1/2	64915	1/2	76501	1/2	88087
3/4	7257	3/4	18842	3/4	30414	3/4	41985	3/4	53571	3/4	65157	3/4	76743	3/4	88329
9	7498	9	19083	9	30654	9	42227	9	53813	9	65398	9	76984	9	88570
1/4	7740	1/4	19325	1/4	30895	1/4	42468	1/4	54054	1/4	65640	1/4	77225	1/4	88811
1/2	7981	1/2	19566	1/2	31136	1/2	42710	1/2	54295	1/2	65881	1/2	77467	1/2	89053
3/4	8222	3/4	19808	3/4	31376	3/4	42951	3/4	54537	3/4	66122	3/4	77708	3/4	89294
10	8464	10	20049	10	31617	10	43192	10	54778	10	66364	10	77949	10	89536
1/4	8705	1/4	20290	1/4	31858	1/4	43434	1/4	55019	1/4	66605	1/4	78191	1/4	89777
1/2	8947	1/2	20532	1/2	32098	1/2	43675	1/2	55261	1/2	66846	1/2	78432	1/2	90018
3/4	9188	3/4	20773	3/4	32339	3/4	43916	3/4	55502	3/4	67088	3/4	78674	3/4	90260
11	9429	11	21014	11	32580	11	44158	11	55743	11	67329	11	78915	11	90501
1/4	9671	1/4	21256	1/4	32820	1/4	44399	1/4	55985	1/4	67571	1/4	79156	1/4	90742
1/2	9912	1/2	21497	1/2	33061	1/2	44640	1/2	56226	1/2	67812	1/2	79398	1/2	90984
3/4	10153	3/4	21738	3/4	33302	3/4	44882	3/4	56468	3/4	68053	3/4	79639	3/4	91225

VOLUME OF SUMP COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7  
GAUGE FROM MMC(U) VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

Calibrated: KTAH  
Calculation: WHF  
Dated: April 24, 1998



Intertek Testing Services

Caleb Brett

DOUBLE SKIN BARGE

"IB-1932"

TANK: 1

CAPACITIES IN U.S. GALLONS

HULL \* 97-2141

TOTAL GAUGE HEIGHT: 15' 09"

IN	8 FT	IN	9 FT	IN	10 FT	IN	11 FT	IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT
0	91467	0	103052	0	114637	0	125823	0	136640	0	147458	0	158276	0	
1/4	91708	1/4	103294	1/4	114879	1/4	126048	1/4	136866	1/4	147684	1/4	158502	1/4	
1/2	91949	1/2	103535	1/2	115120	1/2	126273	1/2	137091	1/2	147909	1/2	158727	1/2	
3/4	92191	3/4	103777	3/4	115361	3/4	126499	3/4	137316	3/4	148134	3/4	158952	3/4	
1	92432	1	104018	1	115603	1	126724	1	137542	1	148360	1	159178	1	
1/4	92673	1/4	104259	1/4	115844	1/4	126949	1/4	137767	1/4	148585	1/4	159403	1/4	
1/2	92915	1/2	104501	1/2	116085	1/2	127175	1/2	137992	1/2	148811	1/2	159629	1/2	
3/4	93156	3/4	104742	3/4	116327	3/4	127400	3/4	138218	3/4	149036	3/4	159854	3/4	
2	93398	2	104983	2	116568	2	127626	2	138443	2	149261	2	160079	2	
1/4	93639	1/4	105225	1/4	116810	1/4	127851	1/4	138669	1/4	149487	1/4	160305	1/4	
1/2	93880	1/2	105466	1/2	117051	1/2	128076	1/2	138894	1/2	149712	1/2	160530	1/2	
3/4	94122	3/4	105707	3/4	117292	3/4	128302	3/4	139119	3/4	149937	3/4	160755	3/4	
3	94363	3	105949	3	117534	3	128527	3	139345	3	150163	3	160981	3	
1/4	94604	1/4	106190	1/4	117775	1/4	128752	1/4	139570	1/4	150388	1/4	161201	1/4	
1/2	94846	1/2	106431	1/2	118016	1/2	128978	1/2	139795	1/2	150614	1/2	161412	1/2	
3/4	95087	3/4	106673	3/4	118258	3/4	129203	3/4	140021	3/4	150839	3/4	161613	3/4	
4	95329	4	106914	4	118499	4	129428	4	140246	4	151064	4	161804	4	
1/4	95570	1/4	107155	1/4	118740	1/4	129654	1/4	140472	1/4	151290	1/4	161985	1/4	
1/2	95811	1/2	107397	1/2	118982	1/2	129879	1/2	140697	1/2	151515	1/2	162157	1/2	
3/4	96053	3/4	107638	3/4	119223	3/4	130105	3/4	140922	3/4	151740	3/4	162318	3/4	
5	96294	5	107880	5	119464	5	130330	5	141148	5	151966	5	162470	5	
1/4	96535	1/4	108121	1/4	119706	1/4	130555	1/4	141373	1/4	152191	1/4	162612	1/4	
1/2	96777	1/2	108362	1/2	119947	1/2	130781	1/2	141598	1/2	152417	1/2	162745	1/2	
3/4	97018	3/4	108604	3/4	120188	3/4	131006	3/4	141824	3/4	152642	3/4	162867	3/4	
6	97260	6	108845	6	120414	6	131231	6	142049	6	152867	6	162980	6	
1/4	97501	1/4	109086	1/4	120639	1/4	131457	1/4	142275	1/4	153093	1/4	163083	1/4	
1/2	97742	1/2	109328	1/2	120865	1/2	131682	1/2	142500	1/2	153318	1/2	163176	1/2	
3/4	97984	3/4	109569	3/4	121090	3/4	131908	3/4	142725	3/4	153543	3/4	163259	3/4	
7	98225	7	109810	7	121315	7	132133	7	142951	7	153769	7	163332	7	
1/4	98467	1/4	110052	1/4	121541	1/4	132358	1/4	143176	1/4	153994	1/4	163396	1/4	
1/2	98708	1/2	110293	1/2	121766	1/2	132584	1/2	143401	1/2	154220	1/2	163450	1/2	
3/4	98949	3/4	110534	3/4	121991	3/4	132809	3/4	143627	3/4	154445	3/4	163494	3/4	
8	99191	8	110776	8	122217	8	133034	8	143852	8	154670	8	163528	8	
1/4	99432	1/4	111017	1/4	122442	1/4	133260	1/4	144078	1/4	154896	1/4	163553	1/4	
1/2	99673	1/2	111258	1/2	122667	1/2	133485	1/2	144303	1/2	155121	1/2		1/2	
3/4	99915	3/4	111500	3/4	122893	3/4	133710	3/4	144528	3/4	155346	3/4		3/4	
9	100156	9	111741	9	123118	9	133936	9	144754	9	155572	9		9	
1/4	100398	1/4	111982	1/4	123344	1/4	134161	1/4	144979	1/4	155797	1/4		1/4	
1/2	100639	1/2	112224	1/2	123569	1/2	134387	1/2	145204	1/2	156023	1/2		1/2	
3/4	100880	3/4	112465	3/4	123794	3/4	134612	3/4	145430	3/4	156248	3/4		3/4	
10	101122	10	112707	10	124020	10	134837	10	145655	10	156473	10		10	
1/4	101363	1/4	112948	1/4	124245	1/4	135063	1/4	145881	1/4	156699	1/4		1/4	
1/2	101604	1/2	113189	1/2	124470	1/2	135288	1/2	146106	1/2	156924	1/2		1/2	
3/4	101846	3/4	113431	3/4	124696	3/4	135513	3/4	146331	3/4	157149	3/4		3/4	
11	102087	11	113672	11	124921	11	135739	11	146557	11	157375	11		11	
1/4	102328	1/4	113913	1/4	125147	1/4	135964	1/4	146782	1/4	157600	1/4		1/4	
1/2	102570	1/2	114155	1/2	125372	1/2	136189	1/2	147008	1/2	157826	1/2		1/2	
3/4	102811	3/4	114396	3/4	125597	3/4	136415	3/4	147233	3/4	158051	3/4		3/4	

THIS TABLE IS SCALED FROM THE BOTTOM STRIKE POINT BELOW THE MANHOLE VALVE TO TOP OF THE TANK AT CENTERLINE.

Calibrated: KTAH  
Calculation: WBF  
Dated: April 24, 1998

