



Intertek Testing Services
Caleb Brett

DOUBLE SKIN BARGE RCT 14

HULL # 98-2644

Gauge Height at Hermatic Closed Gauge Point: 16' 1 1/2"
TANK: 1
TOTAL GAUGE HEIGHT: 15'-08 7/8"

CAPACITIES IN U.S. GALLONS

IN	0 FT		1 FT		2 FT		3 FT		4 FT		5 FT		6 FT		7 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	30	0	8792	0	19232	0	29645	0	40080	0	50521	0	60962	0	71403	0
1/4	53	1/4	9010	1/4	19449	1/4	29861	1/4	40298	1/4	50739	1/4	61180	1/4	71620	1/4
1/2	82	1/2	9227	1/2	19667	1/2	30078	1/2	40515	1/2	50956	1/2	61397	1/2	71838	1/2
3/4	131	3/4	9445	3/4	19884	3/4	30295	3/4	40733	3/4	51174	3/4	61615	3/4	72055	3/4
1	187	1	9662	1	20101	1	30511	1	40950	1	51391	1	61832	1	72273	1
1/4	263	1/4	9880	1/4	20319	1/4	30728	1/4	41168	1/4	51609	1/4	62050	1/4	72490	1/4
1/2	348	1/2	10097	1/2	20536	1/2	30945	1/2	41386	1/2	51826	1/2	62267	1/2	72708	1/2
3/4	453	3/4	10315	3/4	20754	3/4	31162	3/4	41603	3/4	52044	3/4	62485	3/4	72925	3/4
2	567	2	10532	2	20971	2	31380	2	41821	2	52261	2	62702	2	73143	2
1/4	702	1/4	10750	1/4	21189	1/4	31597	1/4	42038	1/4	52479	1/4	62920	1/4	73360	1/4
1/2	847	1/2	10967	1/2	21406	1/2	31815	1/2	42256	1/2	52696	1/2	63137	1/2	73578	1/2
3/4	1004	3/4	11185	3/4	21624	3/4	32032	3/4	42473	3/4	52914	3/4	63355	3/4	73795	3/4
3	1174	3	11402	3	21841	3	32250	3	42691	3	53131	3	63572	3	74013	3
1/4	1356	1/4	11620	1/4	22058	1/4	32467	1/4	42908	1/4	53349	1/4	63790	1/4	74230	1/4
1/2	1542	1/2	11837	1/2	22276	1/2	32685	1/2	43126	1/2	53567	1/2	64007	1/2	74448	1/2
3/4	1732	3/4	12055	3/4	22493	3/4	32902	3/4	43343	3/4	53784	3/4	64225	3/4	74665	3/4
4	1925	4	12272	4	22711	4	33120	4	43561	4	54002	4	64442	4	74883	4
1/4	2121	1/4	12490	1/4	22927	1/4	33337	1/4	43778	1/4	54219	1/4	64660	1/4	75100	1/4
1/2	2321	1/2	12707	1/2	23144	1/2	33555	1/2	43996	1/2	54437	1/2	64877	1/2	75318	1/2
3/4	2524	3/4	12925	3/4	23361	3/4	33772	3/4	44213	3/4	54654	3/4	65095	3/4	75535	3/4
5	2730	5	13142	5	23577	5	33990	5	44431	5	54872	5	65312	5	75753	5
1/4	2938	1/4	13360	1/4	23794	1/4	34207	1/4	44648	1/4	55089	1/4	65530	1/4	75970	1/4
1/2	3149	1/2	13577	1/2	24011	1/2	34425	1/2	44866	1/2	55307	1/2	65747	1/2	76188	1/2
3/4	3362	3/4	13795	3/4	24228	3/4	34642	3/4	45083	3/4	55524	3/4	65965	3/4	76405	3/4
6	3576	6	14012	6	24444	6	34860	6	45301	6	55742	6	66182	6	76623	6
1/4	3792	1/4	14230	1/4	24661	1/4	35078	1/4	45518	1/4	55959	1/4	66400	1/4	76840	1/4
1/2	4008	1/2	14447	1/2	24878	1/2	35295	1/2	45736	1/2	56177	1/2	66617	1/2	77058	1/2
3/4	4225	3/4	14665	3/4	25094	3/4	35513	3/4	45953	3/4	56394	3/4	66835	3/4	77275	3/4
7	4443	7	14882	7	25311	7	35730	7	46171	7	56612	7	67052	7	77493	7
1/4	4660	1/4	15100	1/4	25528	1/4	35948	1/4	46388	1/4	56829	1/4	67270	1/4	77710	1/4
1/2	4878	1/2	15317	1/2	25744	1/2	36165	1/2	46606	1/2	57047	1/2	67488	1/2	77928	1/2
3/4	5095	3/4	15534	3/4	25961	3/4	36383	3/4	46823	3/4	57264	3/4	67705	3/4	78145	3/4
8	5313	8	15752	8	26178	8	36600	8	47041	8	57482	8	67923	8	78363	8
1/4	5530	1/4	15969	1/4	26394	1/4	36818	1/4	47259	1/4	57699	1/4	68140	1/4	78580	1/4
1/2	5748	1/2	16187	1/2	26611	1/2	37035	1/2	47476	1/2	57917	1/2	68358	1/2	78798	1/2
3/4	5965	3/4	16404	3/4	26828	3/4	37253	3/4	47694	3/4	58134	3/4	68575	3/4	79015	3/4
9	6183	9	16622	9	27044	9	37470	9	47911	9	58352	9	68793	9	79233	9
1/4	6400	1/4	16839	1/4	27261	1/4	37688	1/4	48129	1/4	58569	1/4	69010	1/4	79450	1/4
1/2	6618	1/2	17057	1/2	27478	1/2	37905	1/2	48346	1/2	58787	1/2	69228	1/2	79668	1/2
3/4	6835	3/4	17274	3/4	27694	3/4	38123	3/4	48564	3/4	59004	3/4	69445	3/4	79885	3/4
10	7053	10	17492	10	27911	10	38340	10	48781	10	59222	10	69663	10	80103	10
1/4	7270	1/4	17709	1/4	28128	1/4	38558	1/4	48999	1/4	59439	1/4	69880	1/4	80320	1/4
1/2	7488	1/2	17927	1/2	28344	1/2	38775	1/2	49216	1/2	59657	1/2	70098	1/2	80538	1/2
3/4	7705	3/4	18144	3/4	28561	3/4	38993	3/4	49434	3/4	59874	3/4	70315	3/4	80755	3/4
11	7922	11	18362	11	28778	11	39210	11	49651	11	60092	11	70533	11	80973	11
1/4	8140	1/4	18579	1/4	28995	1/4	39428	1/4	49869	1/4	60310	1/4	70750	1/4	81190	1/4
1/2	8357	1/2	18797	1/2	29211	1/2	39645	1/2	50086	1/2	60527	1/2	70968	1/2	81408	1/2
3/4	8575	3/4	19014	3/4	29428	3/4	39863	3/4	50304	3/4	60745	3/4	71185	3/4	81626	3/4

** VOLUME OF SUMP
COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7

GAUGE FROM GAUGE HATCH LOCATED NEAR GEOMETRIC CENTER OF TANK

Calibrated: K/AH
Calculation: WHF
Dated: June 3, 1999

DOUBLE SKIN BARGE
RCT 14

Gauge Height at Hematic Closed Gauge Point: 16' 1 1/2"
TANK: 1
TOTAL GAUGE HEIGHT: 15' 08 7/8"

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	81843	0	92283	0	102722	0	112793	0	122465	0	132136	0	141808	0	
1/4	82061	1/4	92501	1/4	102940	1/4	112995	1/4	122666	1/4	132338	1/4	142009	1/4	
1/2	82278	1/2	92718	1/2	103157	1/2	113196	1/2	122868	1/2	132539	1/2	142211	1/2	
3/4	82496	3/4	92936	3/4	103375	3/4	113398	3/4	123069	3/4	132741	3/4	142412	3/4	
1	82713	1	93153	1	103592	1	113599	1	123271	1	132942	1	142614	1	
1/4	82931	1/4	93371	1/4	103810	1/4	113801	1/4	123472	1/4	133144	1/4	142815	1/4	
1/2	83148	1/2	93588	1/2	104027	1/2	114002	1/2	123674	1/2	133345	1/2	143013	1/2	
3/4	83366	3/4	93805	3/4	104245	3/4	114204	3/4	123875	3/4	133547	3/4	143202	3/4	
2	83583	2	94023	2	104462	2	114405	2	124077	2	133748	2	143383	2	
1/4	83801	1/4	94240	1/4	104680	1/4	114607	1/4	124278	1/4	133950	1/4	143557	1/4	
1/2	84018	1/2	94458	1/2	104897	1/2	114808	1/2	124480	1/2	134151	1/2	143722	1/2	
3/4	84236	3/4	94675	3/4	105114	3/4	115010	3/4	124681	3/4	134353	3/4	143879	3/4	
3	84453	3	94893	3	105332	3	115211	3	124883	3	134554	3	144028	3	
1/4	84671	1/4	95110	1/4	105549	1/4	115413	1/4	125084	1/4	134756	1/4	144169	1/4	
1/2	84888	1/2	95328	1/2	105767	1/2	115614	1/2	125286	1/2	134957	1/2	144302	1/2	
3/4	85106	3/4	95545	3/4	105984	3/4	115816	3/4	125487	3/4	135159	3/4	144427	3/4	
4	85323	4	95763	4	106202	4	116017	4	125689	4	135360	4	144544	4	
1/4	85541	1/4	95980	1/4	106419	1/4	116219	1/4	125890	1/4	135562	1/4	144653	1/4	
1/2	85758	1/2	96198	1/2	106637	1/2	116420	1/2	126092	1/2	135763	1/2	144754	1/2	
3/4	85976	3/4	96415	3/4	106854	3/4	116622	3/4	126293	3/4	135965	3/4	144846	3/4	
5	86193	5	96633	5	107072	5	116823	5	126495	5	136166	5	144931	5	
1/4	86411	1/4	96850	1/4	107289	1/4	117025	1/4	126696	1/4	136367	1/4	145007	1/4	
1/2	86628	1/2	97068	1/2	107507	1/2	117226	1/2	126898	1/2	136569	1/2	145076	1/2	
3/4	86846	3/4	97285	3/4	107724	3/4	117428	3/4	127099	3/4	136770	3/4	145136	3/4	
6	87063	6	97503	6	107942	6	117629	6	127301	6	136972	6	145189	6	
1/4	87281	1/4	97720	1/4	108159	1/4	117831	1/4	127502	1/4	137173	1/4	145233	1/4	
1/2	87498	1/2	97938	1/2	108361	1/2	118032	1/2	127704	1/2	137375	1/2	145269	1/2	
3/4	87716	3/4	98155	3/4	108562	3/4	118234	3/4	127905	3/4	137576	3/4	145298	3/4	
7	87933	7	98373	7	108764	7	118435	7	128107	7	137778	7	145318	7	
1/4	88151	1/4	98590	1/4	108965	1/4	118637	1/4	128308	1/4	137979	1/4	145330	1/4	
1/2	88368	1/2	98808	1/2	109167	1/2	118838	1/2	128509	1/2	138181	1/2	145334	1/2	
3/4	88586	3/4	99025	3/4	109368	3/4	119040	3/4	128711	3/4	138382	3/4		3/4	
8	88803	8	99243	8	109570	8	119241	8	128912	8	138584	8		8	
1/4	89021	1/4	99460	1/4	109771	1/4	119443	1/4	129114	1/4	138785	1/4		1/4	
1/2	89238	1/2	99677	1/2	109973	1/2	119644	1/2	129315	1/2	138987	1/2		1/2	
3/4	89456	3/4	99895	3/4	110174	3/4	119846	3/4	129517	3/4	139188	3/4		3/4	
9	89673	9	100112	9	110376	9	120047	9	129718	9	139390	9		9	
1/4	89891	1/4	100330	1/4	110577	1/4	120248	1/4	129920	1/4	139591	1/4		1/4	
1/2	90108	1/2	100547	1/2	110779	1/2	120450	1/2	130121	1/2	139793	1/2		1/2	
3/4	90326	3/4	100765	3/4	110980	3/4	120651	3/4	130323	3/4	139994	3/4		3/4	
10	90543	10	100982	10	111182	10	120853	10	130524	10	140196	10		10	
1/4	90761	1/4	101200	1/4	111383	1/4	121054	1/4	130726	1/4	140397	1/4		1/4	
1/2	90978	1/2	101417	1/2	111585	1/2	121256	1/2	130927	1/2	140599	1/2		1/2	
3/4	91196	3/4	101635	3/4	111786	3/4	121457	3/4	131129	3/4	140800	3/4		3/4	
11	91413	11	101852	11	111987	11	121659	11	131330	11	141002	11		11	
1/4	91631	1/4	102070	1/4	112189	1/4	121860	1/4	131532	1/4	141203	1/4		1/4	
1/2	91848	1/2	102287	1/2	112390	1/2	122062	1/2	131733	1/2	141405	1/2		1/2	
3/4	92066	3/4	102505	3/4	112592	3/4	122263	3/4	131935	3/4	141606	3/4		3/4	

THIS TABLE IS SCALED FROM THE BOTTOM STRIKE POINT BELOW THE 2" GAUGE PIPE TO TOP OF THE TANK AT CENTERLINE
IF GAUGING FROM THE GAUGING HATCH, THE TOTAL HEIGHT IS: 15'08 3/8"
ADJUSTMENT TO INNAE GAUGES: NI
Calibrated: KTAH
Calculation: WHF
Date: June 3, 1999



Intertek Testing Services
Caleb Brett

DOUBLE SKIN BARGE
RCT 14

HULL # 98-2644

Gauge Height at Hermatic Closed Gauge Point: 16' 2 1/2"

TANK: 2

TOTAL GAUGE HEIGHT: 15'-08 1/2"

CAPACITIES IN U.S. GALLONS

IN	0 FT		1 FT		2 FT		3 FT		4 FT		5 FT		6 FT		7 FT	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	30	0	8798	0	19246	0	29668	0	40112	0	50562	0	61012	0	71461	
1/4	52	1/4	9016	1/4	19464	1/4	29885	1/4	40330	1/4	50780	1/4	61229	1/4	71679	
1/2	82	1/2	9233	1/2	19681	1/2	30101	1/2	40548	1/2	50997	1/2	61447	1/2	71896	
3/4	130	3/4	9451	3/4	19899	3/4	30318	3/4	40765	3/4	51215	3/4	61665	3/4	72114	
1	187	1	9669	1	20117	1	30535	1	40983	1	51433	1	61882	1	72332	
1/4	263	1/4	9886	1/4	20334	1/4	30752	1/4	41201	1/4	51651	1/4	62100	1/4	72549	
1/2	347	1/2	10104	1/2	20552	1/2	30969	1/2	41419	1/2	51868	1/2	62318	1/2	72767	
3/4	452	3/4	10322	3/4	20769	3/4	31187	3/4	41636	3/4	52086	3/4	62535	3/4	72985	
2	566	2	10539	2	20987	2	31404	2	41854	2	52304	2	62753	2	73202	
1/4	701	1/4	10757	1/4	21205	1/4	31622	1/4	42072	1/4	52521	1/4	62971	1/4	73420	
1/2	846	1/2	10975	1/2	21422	1/2	31840	1/2	42289	1/2	52739	1/2	63189	1/2	73638	
3/4	1003	3/4	11192	3/4	21640	3/4	32057	3/4	42507	3/4	52957	3/4	63406	3/4	73856	
3	1173	3	11410	3	21858	3	32275	3	42725	3	53174	3	63624	3	74073	
1/4	1356	1/4	11628	1/4	22075	1/4	32493	1/4	42942	1/4	53392	1/4	63842	1/4	74291	
1/2	1542	1/2	11845	1/2	22293	1/2	32711	1/2	43160	1/2	53610	1/2	64059	1/2	74509	
3/4	1731	3/4	12063	3/4	22510	3/4	32928	3/4	43378	3/4	53828	3/4	64277	3/4	74726	
4	1924	4	12281	4	22728	4	33146	4	43596	4	54045	4	64495	4	74944	
1/4	2121	1/4	12498	1/4	22945	1/4	33364	1/4	43813	1/4	54263	1/4	64712	1/4	75162	
1/2	2321	1/2	12716	1/2	23162	1/2	33581	1/2	44031	1/2	54481	1/2	64930	1/2	75379	
3/4	2524	3/4	12934	3/4	23379	3/4	33799	3/4	44249	3/4	54698	3/4	65148	3/4	75597	
5	2730	5	13151	5	23596	5	34017	5	44466	5	54916	5	65366	5	75815	
1/4	2939	1/4	13369	1/4	23812	1/4	34234	1/4	44684	1/4	55134	1/4	65583	1/4	76032	
1/2	3150	1/2	13587	1/2	24029	1/2	34452	1/2	44902	1/2	55351	1/2	65801	1/2	76250	
3/4	3363	3/4	13804	3/4	24246	3/4	34670	3/4	45119	3/4	55569	3/4	66019	3/4	76468	
6	3577	6	14022	6	24463	6	34888	6	45337	6	55787	6	66236	6	76686	
1/4	3793	1/4	14240	1/4	24680	1/4	35105	1/4	45555	1/4	56004	1/4	66454	1/4	76903	
1/2	4010	1/2	14457	1/2	24897	1/2	35323	1/2	45773	1/2	56222	1/2	66672	1/2	77121	
3/4	4227	3/4	14675	3/4	25114	3/4	35541	3/4	45990	3/4	56440	3/4	66889	3/4	77339	
7	4445	7	14893	7	25330	7	35758	7	46208	7	56658	7	67107	7	77556	
1/4	4662	1/4	15110	1/4	25547	1/4	35976	1/4	46426	1/4	56875	1/4	67325	1/4	77774	
1/2	4880	1/2	15328	1/2	25764	1/2	36194	1/2	46643	1/2	57093	1/2	67543	1/2	77992	
3/4	5098	3/4	15546	3/4	25981	3/4	36411	3/4	46861	3/4	57311	3/4	67760	3/4	78209	
8	5315	8	15763	8	26198	8	36629	8	47079	8	57528	8	67978	8	78427	
1/4	5533	1/4	15981	1/4	26415	1/4	36847	1/4	47297	1/4	57746	1/4	68196	1/4	78645	
1/2	5751	1/2	16199	1/2	26632	1/2	37065	1/2	47514	1/2	57964	1/2	68413	1/2	78862	
3/4	5968	3/4	16416	3/4	26848	3/4	37282	3/4	47732	3/4	58181	3/4	68631	3/4	79080	
9	6186	9	16634	9	27065	9	37500	9	47950	9	58399	9	68849	9	79298	
1/4	6404	1/4	16852	1/4	27282	1/4	37718	1/4	48167	1/4	58617	1/4	69066	1/4	79515	
1/2	6621	1/2	17069	1/2	27499	1/2	37935	1/2	48385	1/2	58835	1/2	69284	1/2	79733	
3/4	6839	3/4	17287	3/4	27716	3/4	38153	3/4	48603	3/4	59052	3/4	69502	3/4	79951	
10	7057	10	17505	10	27933	10	38371	10	48820	10	59270	10	69719	10	80169	
1/4	7274	1/4	17722	1/4	28150	1/4	38588	1/4	49038	1/4	59488	1/4	69937	1/4	80386	
1/2	7492	1/2	17940	1/2	28367	1/2	38806	1/2	49256	1/2	59705	1/2	70155	1/2	80604	
3/4	7710	3/4	18158	3/4	28583	3/4	39024	3/4	49474	3/4	59923	3/4	70372	3/4	80822	
11	7927	11	18375	11	28800	11	39242	11	49691	11	60141	11	70590	11	81039	
1/4	8145	1/4	18593	1/4	29017	1/4	39459	1/4	49909	1/4	60358	1/4	70808	1/4	81257	
1/2	8363	1/2	18811	1/2	29234	1/2	39677	1/2	50127	1/2	60576	1/2	71026	1/2	81475	
3/4	8580	3/4	19028	3/4	29451	3/4	39895	3/4	50344	3/4	60794	3/4	71243	3/4	81692	

VOLUME OF SUMP

GAUGE FROM GAUGE HATCH LOCATED NEAR GEOMETRIC CENTER OF TANK

COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7

Calculated: WHF
Dated: June 3, 1999

KT/WH
81257
81475
81692



Intertek Testing Services
Caleb Brett

DOUBLE SKIN BARGE RCT 14

HULL # 98-2644

Gauge Height at Hermatic Closed Gauge Point: 16' 2 1/2"

TANK: 2

TOTAL GAUGE HEIGHT: 15' 08 1/2"

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	81910	0	92359	0	102807	0	113255	0	123703	0	134150	0	144598	0	
1/4	82128	1/4	92575	1/4	103024	1/4	113472	1/4	123920	1/4	134368	1/4	144816	1/4	
1/2	82345	1/2	92794	1/2	103242	1/2	113690	1/2	124138	1/2	134586	1/2	145034	1/2	
3/4	82563	3/4	93012	3/4	103460	3/4	113908	3/4	124356	3/4	134803	3/4	145251	3/4	
1	82781	1	93230	1	103677	1	114125	1	124573	1	135021	1	145469	1	
1/4	82999	1/4	93447	1/4	103895	1/4	114343	1/4	124791	1/4	135239	1/4	145687	1/4	
1/2	83216	1/2	93665	1/2	104113	1/2	114561	1/2	125009	1/2	135456	1/2	145904	1/2	
3/4	83434	3/4	93883	3/4	104330	3/4	114778	3/4	125226	3/4	135674	3/4	146122	3/4	
2	83652	2	94100	2	104548	2	114996	2	125444	2	135892	2	146340	2	
1/4	83869	1/4	94318	1/4	104766	1/4	115214	1/4	125662	1/4	136109	1/4	146557	1/4	
1/2	84087	1/2	94536	1/2	104983	1/2	115431	1/2	125879	1/2	136327	1/2	146775	1/2	
3/4	84305	3/4	94753	3/4	105201	3/4	115649	3/4	126097	3/4	136545	3/4	146988	3/4	
3	84522	3	94971	3	105419	3	115867	3	126315	3	136762	3	147193	3	
1/4	84740	1/4	95189	1/4	105636	1/4	116084	1/4	126532	1/4	136980	1/4	147389	1/4	
1/2	84958	1/2	95406	1/2	105854	1/2	116302	1/2	126750	1/2	137198	1/2	147576	1/2	
3/4	85175	3/4	95624	3/4	106072	3/4	116520	3/4	126968	3/4	137415	3/4	147755	3/4	
4	85393	4	95842	4	106289	4	116737	4	127185	4	137633	4	147924	4	
1/4	85611	1/4	96059	1/4	106507	1/4	116955	1/4	127403	1/4	137851	1/4	148086	1/4	
1/2	85828	1/2	96277	1/2	106725	1/2	117173	1/2	127621	1/2	138068	1/2	148238	1/2	
3/4	86046	3/4	96495	3/4	106942	3/4	117390	3/4	127838	3/4	138286	3/4	148382	3/4	
5	86264	5	96712	5	107160	5	117608	5	128056	5	138504	5	148517	5	
1/4	86482	1/4	96930	1/4	107378	1/4	117826	1/4	128274	1/4	138721	1/4	148643	1/4	
1/2	86699	1/2	97148	1/2	107595	1/2	118043	1/2	128491	1/2	138939	1/2	148760	1/2	
3/4	86917	3/4	97365	3/4	107813	3/4	118261	3/4	128709	3/4	139157	3/4	148869	3/4	
6	87135	6	97583	6	108031	6	118479	6	128927	6	139374	6	148969	6	
1/4	87352	1/4	97801	1/4	108248	1/4	118696	1/4	129144	1/4	139592	1/4	149061	1/4	
1/2	87570	1/2	98018	1/2	108466	1/2	118914	1/2	129362	1/2	139810	1/2	149144	1/2	
3/4	87788	3/4	98236	3/4	108684	3/4	119132	3/4	129580	3/4	140027	3/4	149218	3/4	
7	88005	7	98454	7	108901	7	119349	7	129797	7	140245	7	149283	7	
1/4	88223	1/4	98671	1/4	109119	1/4	119567	1/4	130015	1/4	140463	1/4	149339	1/4	
1/2	88441	1/2	98889	1/2	109337	1/2	119785	1/2	130233	1/2	140680	1/2	149387	1/2	
3/4	88658	3/4	99107	3/4	109554	3/4	120002	3/4	130450	3/4	140898	3/4	149427	3/4	
8	88876	8	99324	8	109772	8	120220	8	130668	8	141116	8	149457	8	
1/4	89094	1/4	99542	1/4	109990	1/4	120438	1/4	130886	1/4	141333	1/4	149479	1/4	
1/2	89312	1/2	99760	1/2	110207	1/2	120655	1/2	131103	1/2	141551	1/2	149492	1/2	
3/4	89529	3/4	99977	3/4	110425	3/4	120873	3/4	131321	3/4	141769	3/4	149496	3/4	
9	89747	9	100195	9	110643	9	121091	9	131538	9	141986	9		9	
1/4	89965	1/4	100413	1/4	110860	1/4	121308	1/4	131756	1/4	142204	1/4		1/4	
1/2	90182	1/2	100630	1/2	111078	1/2	121526	1/2	131974	1/2	142422	1/2		1/2	
3/4	90400	3/4	100848	3/4	111296	3/4	121744	3/4	132191	3/4	142639	3/4		3/4	
10	90618	10	101066	10	111513	10	121961	10	132409	10	142857	10		10	
1/4	90835	1/4	101283	1/4	111731	1/4	122179	1/4	132627	1/4	143075	1/4		1/4	
1/2	91053	1/2	101501	1/2	111949	1/2	122397	1/2	132844	1/2	143292	1/2		1/2	
3/4	91271	3/4	101719	3/4	112166	3/4	122614	3/4	133062	3/4	143510	3/4		3/4	
11	91488	11	101936	11	112384	11	122832	11	133280	11	143728	11		11	
1/4	91706	1/4	102154	1/4	112602	1/4	123050	1/4	133497	1/4	143945	1/4		1/4	
1/2	91924	1/2	102371	1/2	112819	1/2	123267	1/2	133715	1/2	144163	1/2		1/2	
3/4	92141	3/4	102589	3/4	113037	3/4	123485	3/4	133933	3/4	144381	3/4		3/4	

THIS TABLE IS SCALED FROM THE BOTTOM STRIKE POINT BELOW THE 2" GAUGE PIPE TO TOP OF THE TANK AT CENTERLINE

IF GAUGING FROM THE GAUGING HATCH, THE TOTAL HEIGHT IS 15' 08 5/8"

ADJUSTMENT TO INNAE GAUGES: NIL

Calibrated: KTH/H
Calculation: WHF
Dated: June 3, 1999



Intertek Testing Services
Caleb Brett

DOUBLE SKIN BARGE
RCT 14

HULL # 98-2644

Gauge Height at Hermatic Closed Gauge Point: 16' 3 1/4"
TANK: 3

TOTAL GAUGE HEIGHT: 15' 7 1/2"

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	30	0	8833	0	19320	0	29780	0	40264	0	50752	0	61241	0	71729
1/4	52	1/4	9052	1/4	19538	1/4	29998	1/4	40482	1/4	50971	1/4	61459	1/4	71947
1/2	82	1/2	9270	1/2	19757	1/2	30216	1/2	40701	1/2	51189	1/2	61678	1/2	72166
3/4	131	3/4	9489	3/4	19975	3/4	30433	3/4	40919	3/4	51408	3/4	61896	3/4	72384
1	187	1	9707	1	20194	1	30651	1	41138	1	51626	1	62115	1	72603
1/4	264	1/4	9926	1/4	20412	1/4	30869	1/4	41356	1/4	51845	1/4	62333	1/4	72821
1/2	349	1/2	10144	1/2	20631	1/2	31086	1/2	41575	1/2	52063	1/2	62552	1/2	73040
3/4	454	3/4	10362	3/4	20849	3/4	31305	3/4	41793	3/4	52282	3/4	62770	3/4	73258
2	569	2	10581	2	21067	2	31524	2	42012	2	52500	2	62989	2	73477
1/4	705	1/4	10799	1/4	21286	1/4	31742	1/4	42230	1/4	52719	1/4	63207	1/4	73695
1/2	851	1/2	11018	1/2	21504	1/2	31961	1/2	42449	1/2	52937	1/2	63426	1/2	73914
3/4	1008	3/4	11236	3/4	21723	3/4	32179	3/4	42668	3/4	53156	3/4	63644	3/4	74132
3	1188	3	11455	3	21941	3	32398	3	42886	3	53374	3	63863	3	74351
1/4	1362	1/4	11673	1/4	22160	1/4	32616	1/4	43105	1/4	53593	1/4	64081	1/4	74569
1/2	1549	1/2	11892	1/2	22378	1/2	32835	1/2	43323	1/2	53811	1/2	64300	1/2	74788
3/4	1740	3/4	12110	3/4	22596	3/4	33053	3/4	43542	3/4	54030	3/4	64518	3/4	75006
4	1934	4	12329	4	22815	4	33272	4	43760	4	54248	4	64737	4	75225
1/4	2131	1/4	12547	1/4	23033	1/4	33490	1/4	43979	1/4	54467	1/4	64955	1/4	75443
1/2	2332	1/2	12766	1/2	23250	1/2	33709	1/2	44197	1/2	54685	1/2	65174	1/2	75662
3/4	2536	3/4	12984	3/4	23468	3/4	33927	3/4	44416	3/4	54904	3/4	65392	3/4	75880
5	2743	5	13203	5	23686	5	34146	5	44634	5	55123	5	65611	5	76099
1/4	2952	1/4	13421	1/4	23903	1/4	34364	1/4	44853	1/4	55341	1/4	65829	1/4	76317
1/2	3164	1/2	13640	1/2	24121	1/2	34583	1/2	45071	1/2	55560	1/2	66048	1/2	76536
3/4	3378	3/4	13858	3/4	24339	3/4	34801	3/4	45290	3/4	55778	3/4	66266	3/4	76754
6	3593	6	14077	6	24556	6	35020	6	45508	6	55997	6	66485	6	76973
1/4	3810	1/4	14295	1/4	24774	1/4	35238	1/4	45727	1/4	56215	1/4	66703	1/4	77191
1/2	4027	1/2	14514	1/2	24992	1/2	35457	1/2	45945	1/2	56434	1/2	66922	1/2	77410
3/4	4245	3/4	14732	3/4	25209	3/4	35675	3/4	46164	3/4	56652	3/4	67140	3/4	77628
7	4464	7	14950	7	25427	7	35894	7	46382	7	56871	7	67359	7	77847
1/4	4682	1/4	15169	1/4	25645	1/4	36112	1/4	46601	1/4	57089	1/4	67577	1/4	78065
1/2	4901	1/2	15387	1/2	25862	1/2	36331	1/2	46819	1/2	57308	1/2	67796	1/2	78284
3/4	5119	3/4	15606	3/4	26080	3/4	36549	3/4	47038	3/4	57526	3/4	68014	3/4	78502
8	5338	8	15824	8	26298	8	36768	8	47256	8	57745	8	68233	8	78721
1/4	5556	1/4	16043	1/4	26515	1/4	36986	1/4	47475	1/4	57963	1/4	68451	1/4	78939
1/2	5774	1/2	16261	1/2	26733	1/2	37205	1/2	47693	1/2	58182	1/2	68670	1/2	79158
3/4	5993	3/4	16480	3/4	26951	3/4	37423	3/4	47912	3/4	58400	3/4	68888	3/4	79376
9	6211	9	16698	9	27168	9	37642	9	48130	9	58619	9	69107	9	79595
1/4	6430	1/4	16917	1/4	27386	1/4	37860	1/4	48349	1/4	58837	1/4	69325	1/4	79813
1/2	6648	1/2	17135	1/2	27604	1/2	38079	1/2	48567	1/2	59056	1/2	69544	1/2	80032
3/4	6867	3/4	17354	3/4	27821	3/4	38297	3/4	48786	3/4	59274	3/4	69762	3/4	80250
10	7085	10	17572	10	28039	10	38516	10	49004	10	59493	10	69981	10	80469
1/4	7304	1/4	17791	1/4	28257	1/4	38734	1/4	49223	1/4	59711	1/4	70199	1/4	80687
1/2	7522	1/2	18009	1/2	28474	1/2	38953	1/2	49441	1/2	59930	1/2	70418	1/2	80906
3/4	7741	3/4	18228	3/4	28692	3/4	39171	3/4	49660	3/4	60148	3/4	70636	3/4	81124
11	7959	11	18446	11	28910	11	39390	11	49878	11	60367	11	70855	11	81343
1/4	8178	1/4	18665	1/4	29127	1/4	39608	1/4	50097	1/4	60585	1/4	71073	1/4	81561
1/2	8396	1/2	18883	1/2	29345	1/2	39827	1/2	50315	1/2	60804	1/2	71292	1/2	81780
3/4	8615	3/4	19102	3/4	29563	3/4	40045	3/4	50534	3/4	61022	3/4	71510	3/4	81998

**
COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7

VOLUME OF SUMP
GAUGE FROM GAUGE HATCH LOCATED NEAR GEOMETRIC CENTER OF TANK

Calculated: K/T/AH
W/H
Dated: June 3, 1999

8-1998



Intertek Testing Services
Caleb Brett

DOUBLE SKIN BARGE
RCT 14

HULL # 98-2644

Gauge Height at Hermatic Closed Gauge Point: 16' 3 1/2"
TANK: 3

TOTAL GAUGE HEIGHT: 15' 7 1/2"

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	82217	0	92705	0	103191	0	113678	0	124165	0	134651	0	145138	0	
1/4	82435	1/4	92923	1/4	103410	1/4	113896	1/4	124383	1/4	134870	1/4	145356	1/4	
1/2	82654	1/2	93141	1/2	103628	1/2	114115	1/2	124602	1/2	135088	1/2	145575	1/2	
3/4	82872	3/4	93360	3/4	103847	3/4	114333	3/4	124820	3/4	135307	3/4	145793	3/4	
1	83091	1	93578	1	104065	1	114552	1	125039	1	135525	1	146012	1	
1/4	83309	1/4	93797	1/4	104284	1/4	114770	1/4	125257	1/4	135744	1/4	146230	1/4	
1/2	83528	1/2	94015	1/2	104502	1/2	114989	1/2	125475	1/2	135962	1/2	146449	1/2	
3/4	83746	3/4	94234	3/4	104721	3/4	115207	3/4	125694	3/4	136181	3/4	146667	3/4	
2	83965	2	94452	2	104939	2	115426	2	125912	2	136399	2	146886	2	
1/4	84183	1/4	94671	1/4	105157	1/4	115644	1/4	126131	1/4	136618	1/4	147104	1/4	
1/2	84402	1/2	94889	1/2	105376	1/2	115863	1/2	126349	1/2	136836	1/2	147323	1/2	
3/4	84620	3/4	95108	3/4	105594	3/4	116081	3/4	126568	3/4	137055	3/4	147555	3/4	
3	84839	3	95326	3	105813	3	116300	3	126786	3	137273	3	147777	3	
1/4	85057	1/4	95545	1/4	106031	1/4	116518	1/4	127005	1/4	137491	1/4	147989	1/4	
1/2	85276	1/2	95763	1/2	106250	1/2	116737	1/2	127223	1/2	137710	1/2	148190	1/2	
3/4	85494	3/4	95982	3/4	106468	3/4	116955	3/4	127442	3/4	137928	3/4	148381	3/4	
4	85713	4	96200	4	106687	4	117173	4	127660	4	138147	4	148562	4	
1/4	85931	1/4	96419	1/4	106905	1/4	117392	1/4	127879	1/4	138365	1/4	148732	1/4	
1/2	86150	1/2	96637	1/2	107124	1/2	117610	1/2	128097	1/2	138584	1/2	148892	1/2	
3/4	86368	3/4	96856	3/4	107342	3/4	117829	3/4	128316	3/4	138802	3/4	149042	3/4	
5	86587	5	97074	5	107561	5	118047	5	128534	5	139021	5	149182	5	
1/4	86805	1/4	97292	1/4	107779	1/4	118266	1/4	128753	1/4	139239	1/4	149311	1/4	
1/2	87024	1/2	97511	1/2	107998	1/2	118484	1/2	128971	1/2	139458	1/2	149429	1/2	
3/4	87242	3/4	97729	3/4	108216	3/4	118703	3/4	129189	3/4	139676	3/4	149538	3/4	
6	87461	6	97948	6	108435	6	118921	6	129408	6	139895	6	149636	6	
1/4	87679	1/4	98166	1/4	108653	1/4	119140	1/4	129626	1/4	140113	1/4	149724	1/4	
1/2	87898	1/2	98385	1/2	108872	1/2	119358	1/2	129845	1/2	140332	1/2	149801	1/2	
3/4	88116	3/4	98603	3/4	109090	3/4	119577	3/4	130063	3/4	140550	3/4	149868	3/4	
7	88335	7	98822	7	109308	7	119795	7	130282	7	140769	7	149925	7	
1/4	88553	1/4	99040	1/4	109527	1/4	120014	1/4	130500	1/4	140987	1/4	149971	1/4	
1/2	88772	1/2	99259	1/2	109745	1/2	120232	1/2	130719	1/2	141205	1/2	150008	1/2	
3/4	88990	3/4	99477	3/4	109964	3/4	120451	3/4	130937	3/4	141424	3/4	150033	3/4	
8	89209	8	99696	8	110182	8	120669	8	131156	8	141642	8	150049	8	
1/4	89427	1/4	99914	1/4	110401	1/4	120888	1/4	131374	1/4	141861	1/4	150054	1/4	
1/2	89646	1/2	100133	1/2	110619	1/2	121106	1/2	131593	1/2	142079	1/2		1/2	
3/4	89864	3/4	100351	3/4	110838	3/4	121324	3/4	131811	3/4	142298	3/4		3/4	
9	90083	9	100570	9	111056	9	121543	9	132030	9	142516	9		9	
1/4	90301	1/4	100788	1/4	111275	1/4	121761	1/4	132248	1/4	142735	1/4		1/4	
1/2	90520	1/2	101007	1/2	111493	1/2	121980	1/2	132467	1/2	142953	1/2		1/2	
3/4	90738	3/4	101225	3/4	111712	3/4	122198	3/4	132685	3/4	143172	3/4		3/4	
10	90957	10	101443	10	111930	10	122417	10	132904	10	143390	10		10	
1/4	91175	1/4	101662	1/4	112149	1/4	122635	1/4	133122	1/4	143609	1/4		1/4	
1/2	91394	1/2	101880	1/2	112367	1/2	122854	1/2	133340	1/2	143827	1/2		1/2	
3/4	91612	3/4	102099	3/4	112586	3/4	123072	3/4	133559	3/4	144046	3/4		3/4	
11	91831	11	102317	11	112804	11	123291	11	133777	11	144264	11		11	
1/4	92049	1/4	102536	1/4	113023	1/4	123509	1/4	133996	1/4	144483	1/4		1/4	
1/2	92268	1/2	102754	1/2	113241	1/2	123728	1/2	134214	1/2	144701	1/2		1/2	
3/4	92486	3/4	102973	3/4	113459	3/4	123946	3/4	134433	3/4	144920	3/4		3/4	

THIS TABLE IS SCALED FROM THE BOTTOM STRIKE POINT BELOW THE 2ND GAUGE PIPE TO TOP OF THE TANK AT CENTERLINE

IF GAUGING FROM THE GAUGING HATCH, THE TOTAL HEIGHT IS 15'08.78"

ADJUSTMENT TO INNAGE GAUGES 1/4"

PAGE NO. 2

Calibrated: KTH/H
 Calculation: WHF
 Dated: June 3, 1999

[Signature]