

DOUBLE SKIN BARGE
"RCT - 12"

HULL # 96-2870

TANK: 1

TOTAL GAUGE HEIGHT: 15' 08 5/8"

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	26	0	9172	0	19635	0	30075	0	40533	0	50996	0	61459	0	71922
1/4	35	1/4	9390	1/4	19852	1/4	30292	1/4	40751	1/4	51214	1/4	61677	1/4	72140
1/2	63	1/2	9608	1/2	20070	1/2	30510	1/2	40969	1/2	51432	1/2	61895	1/2	72358
3/4	108	3/4	9826	3/4	20288	3/4	30727	3/4	41187	3/4	51650	3/4	62113	3/4	72576
1	172	1	10044	1	20506	1	30944	1	41405	1	51868	1	62331	1	72794
1/4	253	1/4	10262	1/4	20724	1/4	31162	1/4	41623	1/4	52086	1/4	62549	1/4	73012
1/2	353	1/2	10480	1/2	20942	1/2	31379	1/2	41841	1/2	52304	1/2	62767	1/2	73230
3/4	471	3/4	10698	3/4	21160	3/4	31596	3/4	42059	3/4	52522	3/4	62985	3/4	73448
2	608	2	10916	2	21378	2	31813	2	42277	2	52740	2	63203	2	73666
1/4	762	1/4	11134	1/4	21596	1/4	32031	1/4	42495	1/4	52958	1/4	63421	1/4	73884
1/2	935	1/2	11352	1/2	21814	1/2	32249	1/2	42713	1/2	53176	1/2	63639	1/2	74102
3/4	1125	3/4	11570	3/4	22032	3/4	32467	3/4	42931	3/4	53394	3/4	63857	3/4	74320
3	1334	3	11788	3	22250	3	32685	3	43149	3	53612	3	64075	3	74538
1/4	1543	1/4	12006	1/4	22468	1/4	32903	1/4	43367	1/4	53830	1/4	64293	1/4	74756
1/2	1761	1/2	12224	1/2	22686	1/2	33121	1/2	43585	1/2	54048	1/2	64511	1/2	74974
3/4	1979	3/4	12442	3/4	22903	3/4	33339	3/4	43803	3/4	54266	3/4	64729	3/4	75192
4	2197	4	12660	4	23121	4	33557	4	44020	4	54484	4	64947	4	75410
1/4	2415	1/4	12878	1/4	23339	1/4	33775	1/4	44238	1/4	54702	1/4	65165	1/4	75628
1/2	2633	1/2	13095	1/2	23557	1/2	33993	1/2	44456	1/2	54920	1/2	65383	1/2	75846
3/4	2851	3/4	13313	3/4	23774	3/4	34211	3/4	44674	3/4	55138	3/4	65601	3/4	76064
5	3069	5	13531	5	23991	5	34429	5	44892	5	55356	5	65819	5	76282
1/4	3287	1/4	13749	1/4	24208	1/4	34647	1/4	45110	1/4	55574	1/4	66037	1/4	76500
1/2	3505	1/2	13967	1/2	24426	1/2	34865	1/2	45328	1/2	55791	1/2	66255	1/2	76718
3/4	3723	3/4	14185	3/4	24643	3/4	35083	3/4	45546	3/4	56009	3/4	66472	3/4	76936
6	3941	6	14403	6	24860	6	35301	6	45764	6	56227	6	66690	6	77154
1/4	4159	1/4	14621	1/4	25078	1/4	35519	1/4	45982	1/4	56445	1/4	66908	1/4	77372
1/2	4377	1/2	14839	1/2	25295	1/2	35737	1/2	46200	1/2	56663	1/2	67126	1/2	77590
3/4	4595	3/4	15057	3/4	25512	3/4	35955	3/4	46418	3/4	56881	3/4	67344	3/4	77808
7	4813	7	15275	7	25729	7	36173	7	46636	7	57099	7	67562	7	78026
1/4	5031	1/4	15493	1/4	25947	1/4	36391	1/4	46854	1/4	57317	1/4	67780	1/4	78244
1/2	5249	1/2	15711	1/2	26164	1/2	36609	1/2	47072	1/2	57535	1/2	67998	1/2	78462
3/4	5467	3/4	15929	3/4	26381	3/4	36827	3/4	47290	3/4	57753	3/4	68216	3/4	78680
8	5685	8	16147	8	26599	8	37045	8	47508	8	57971	8	68434	8	78898
1/4	5903	1/4	16365	1/4	26816	1/4	37263	1/4	47726	1/4	58189	1/4	68652	1/4	79116
1/2	6121	1/2	16583	1/2	27033	1/2	37481	1/2	47944	1/2	58407	1/2	68870	1/2	79334
3/4	6338	3/4	16801	3/4	27250	3/4	37699	3/4	48162	3/4	58625	3/4	69088	3/4	79552
9	6556	9	17019	9	27468	9	37917	9	48380	9	58843	9	69306	9	79770
1/4	6774	1/4	17237	1/4	27685	1/4	38135	1/4	48598	1/4	59061	1/4	69524	1/4	79988
1/2	6992	1/2	17455	1/2	27902	1/2	38353	1/2	48816	1/2	59279	1/2	69742	1/2	80206
3/4	7210	3/4	17673	3/4	28120	3/4	38571	3/4	49034	3/4	59497	3/4	69960	3/4	80424
10	7428	10	17891	10	28337	10	38789	10	49252	10	59715	10	70178	10	80642
1/4	7646	1/4	18109	1/4	28554	1/4	39007	1/4	49470	1/4	59933	1/4	70396	1/4	80860
1/2	7864	1/2	18327	1/2	28771	1/2	39225	1/2	49688	1/2	60151	1/2	70614	1/2	81078
3/4	8082	3/4	18545	3/4	28989	3/4	39443	3/4	49906	3/4	60369	3/4	70832	3/4	81296
11	8300	11	18763	11	29206	11	39661	11	50124	11	60587	11	71050	11	81514
1/4	8518	1/4	18981	1/4	29423	1/4	39879	1/4	50342	1/4	60805	1/4	71268	1/4	81732
1/2	8736	1/2	19199	1/2	29641	1/2	40097	1/2	50560	1/2	61023	1/2	71486	1/2	81950
3/4	8954	3/4	19417	3/4	29858	3/4	40315	3/4	50778	3/4	61241	3/4	71704	3/4	82168

COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7

GAUGE FROM GAUGE HATCH LOCATED NEAR GEOMETRIC CENTER OF TANK

Calibrated: KTAH



Intertek Testing Services
Caleb Brett

CAPACITIES IN U.S. GALLONS

DOUBLE SKIN BARGE
"RCT - 12"

HULL # 96-2870

TANK: 1

TOTAL GAUGE HEIGHT: 15' 08 5/8"

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	82386	0	92849	0	103311	0	113358	0	123054	0	132750	0	142446	0	
1/4	82604	1/4	93067	1/4	103529	1/4	113560	1/4	123256	1/4	132952	1/4	142648	1/4	
1/2	82822	1/2	93285	1/2	103747	1/2	113762	1/2	123458	1/2	133154	1/2	142850	1/2	
3/4	83040	3/4	93503	3/4	103965	3/4	113964	3/4	123660	3/4	133356	3/4	143052	3/4	
1	83258	1	93721	1	104183	1	114166	1	123862	1	133558	1	143254	1	
1/4	83476	1/4	93939	1/4	104401	1/4	114368	1/4	124064	1/4	133760	1/4	143456	1/4	
1/2	83694	1/2	94157	1/2	104619	1/2	114570	1/2	124266	1/2	133962	1/2	143658	1/2	
3/4	83912	3/4	94375	3/4	104837	3/4	114772	3/4	124468	3/4	134164	3/4	143856	3/4	
2	84130	2	94593	2	105055	2	114974	2	124670	2	134366	2	144045	2	
1/4	84348	1/4	94811	1/4	105273	1/4	115176	1/4	124872	1/4	134568	1/4	144226	1/4	
1/2	84566	1/2	95029	1/2	105491	1/2	115378	1/2	125074	1/2	134770	1/2	144399	1/2	
3/4	84784	3/4	95247	3/4	105709	3/4	115580	3/4	125276	3/4	134972	3/4	144563	3/4	
3	85002	3	95465	3	105927	3	115782	3	125478	3	135174	3	144719	3	
1/4	85220	1/4	95683	1/4	106145	1/4	115984	1/4	125680	1/4	135376	1/4	144866	1/4	
1/2	85438	1/2	95900	1/2	106363	1/2	116186	1/2	125882	1/2	135578	1/2	145005	1/2	
3/4	85656	3/4	96118	3/4	106581	3/4	116388	3/4	126084	3/4	135780	3/4	145135	3/4	
4	85874	4	96336	4	106799	4	116590	4	126286	4	135982	4	145257	4	
1/4	86092	1/4	96554	1/4	107017	1/4	116792	1/4	126488	1/4	136184	1/4	145371	1/4	
1/2	86309	1/2	96772	1/2	107235	1/2	116994	1/2	126690	1/2	136386	1/2	145476	1/2	
3/4	86527	3/4	96990	3/4	107453	3/4	117196	3/4	126892	3/4	136588	3/4	145573	3/4	
5	86745	5	97208	5	107671	5	117398	5	127094	5	136790	5	145661	5	
1/4	86963	1/4	97426	1/4	107889	1/4	117600	1/4	127296	1/4	136992	1/4	145741	1/4	
1/2	87181	1/2	97644	1/2	108106	1/2	117802	1/2	127498	1/2	137194	1/2	145813	1/2	
3/4	87399	3/4	97862	3/4	108308	3/4	118004	3/4	127700	3/4	137396	3/4	145876	3/4	
6	87617	6	98080	6	108510	6	118206	6	127902	6	137598	6	145931	6	
1/4	87835	1/4	98298	1/4	108712	1/4	118408	1/4	128104	1/4	137800	1/4	145977	1/4	
1/2	88053	1/2	98516	1/2	108914	1/2	118610	1/2	128306	1/2	138002	1/2	146015	1/2	
3/4	88271	3/4	98734	3/4	109116	3/4	118812	3/4	128508	3/4	138204	3/4	146044	3/4	
7	88489	7	98952	7	109318	7	119014	7	128710	7	138406	7	146065	7	
1/4	88707	1/4	99170	1/4	109520	1/4	119216	1/4	128912	1/4	138608	1/4	146078	1/4	
1/2	88925	1/2	99388	1/2	109722	1/2	119418	1/2	129114	1/2	138810	1/2	146082	1/2	
3/4	89143	3/4	99606	3/4	109924	3/4	119620	3/4	129316	3/4	139012	3/4		3/4	
8	89361	8	99824	8	110126	8	119822	8	129518	8	139214	8		8	
1/4	89579	1/4	100042	1/4	110328	1/4	120024	1/4	129720	1/4	139416	1/4		1/4	
1/2	89797	1/2	100260	1/2	110530	1/2	120226	1/2	129922	1/2	139618	1/2		1/2	
3/4	90015	3/4	100478	3/4	110732	3/4	120428	3/4	130124	3/4	139820	3/4		3/4	
9	90233	9	100696	9	110934	9	120630	9	130326	9	140022	9		9	
1/4	90451	1/4	100914	1/4	111136	1/4	120832	1/4	130528	1/4	140224	1/4		1/4	
1/2	90669	1/2	101132	1/2	111338	1/2	121034	1/2	130730	1/2	140426	1/2		1/2	
3/4	90887	3/4	101350	3/4	111540	3/4	121236	3/4	130932	3/4	140628	3/4		3/4	
10	91105	10	101568	10	111742	10	121438	10	131134	10	140830	10		10	
1/4	91323	1/4	101786	1/4	111944	1/4	121640	1/4	131336	1/4	141032	1/4		1/4	
1/2	91541	1/2	102003	1/2	112146	1/2	121842	1/2	131538	1/2	141234	1/2		1/2	
3/4	91759	3/4	102221	3/4	112348	3/4	122044	3/4	131740	3/4	141436	3/4		3/4	
11	91977	11	102439	11	112550	11	122246	11	131942	11	141638	11		11	
1/4	92195	1/4	102657	1/4	112752	1/4	122448	1/4	132144	1/4	141840	1/4		1/4	
1/2	92413	1/2	102875	1/2	112954	1/2	122650	1/2	132346	1/2	142042	1/2		1/2	
3/4	92631	3/4	103093	3/4	113156	3/4	122852	3/4	132548	3/4	142244	3/4		3/4	

THIS TABLE IS SCANNED FROM THE BOTTOM STRIKE POINT BELOW THE GAUGE HATCH TO TOP OF THE TANK AT CENTERLINE
IF GAUGING FROM (UTI)/M/MCJ VAPOR LOCK VALVE PIPE, THE TOTAL HEIGHT TO TOP OF VALVE IS 16' 03 7/8" ADJUSTMENT TO INNAE GAUGES: -1/4"

Calibrated: RT/WH
Calculations: WHF
Dated: April 8, 1997

Page No. 2

HULL # 96-2870

TANK: 2
TOTAL GAUGE HEIGHT: 15'-08 3/4"

CAPACITIES IN U.S. GALLONS

IN	8 FT	9 FT	10 FT	11 FT	12 FT	13 FT	14 FT	15 FT
0	82685	93187	103687	114188	124689	135191	145693	
1/4	82904	93406	103906	114407	124907	135410	145912	0
1/2	83123	93624	104125	114626	125126	135628	146131	1/4
3/4	83342	93843	104344	114844	125345	135847	146350	1/2
1	83560	94062	104562	115063	125564	136066	146568	3/4
1/4	83779	94281	104781	115282	125783	136285	146787	1
1/2	83998	94499	105000	115501	126001	136504	147006	1/4
3/4	84217	94718	105219	115719	126220	136722	147225	1/2
2	84435	94937	105437	115938	126439	136941	147444	3/4
1/4	84654	95156	105656	116157	126658	137160	147662	2
1/2	84873	95374	105875	116376	126877	137379	147881	1/4
3/4	85092	95593	106094	116594	127095	137598	148100	1/2
3	85311	95812	106313	116813	127314	137816	148314	3/4
1/4	85529	96031	106531	117032	127533	138035	148519	1
1/2	85748	96249	106750	117251	127752	138254	148715	1/4
3/4	85967	96468	106969	117469	127971	138473	148902	1/2
4	86186	96687	107188	117688	128189	138692	149080	3/4
1/4	86405	96906	107406	117907	128408	138910	149249	2
1/2	86623	97125	107625	118126	128627	139129	149408	1/4
3/4	86842	97343	107844	118344	128846	139348	149559	1/2
5	87061	97562	108063	118563	129065	139567	149700	3/4
1/4	87280	97781	108281	118782	129283	139786	149832	1
1/2	87498	98000	108500	119001	129502	140004	149955	1/4
3/4	87717	98218	108719	119220	129721	140223	150069	1/2
6	87936	98437	108938	119438	129940	140442	150174	3/4
1/4	88155	98656	109156	119657	130159	140661	150270	2
1/2	88374	98875	109375	119876	130377	140880	150356	1/4
3/4	88592	99093	109594	120095	130596	141098	150434	1/2
7	88811	99312	109813	120313	130815	141317	150502	3/4
1/4	89030	99531	110032	120532	131034	141536	150561	1
1/2	89249	99750	110250	120751	131253	141755	150611	1/4
3/4	89468	99968	110469	120970	131471	141974	150653	1/2
8	89686	100187	110688	121188	131690	142192	150684	3/4
1/4	89905	100406	110907	121407	131909	142411	150707	2
1/2	90124	100625	111125	121626	132128	142630	150721	1/4
3/4	90343	100843	111344	121845	132347	142849	150725	1/2
9	90562	101062	111563	122063	132565	143068	150725	3/4
1/4	90780	101281	111782	122282	132784	143286	150725	1
1/2	90999	101500	112000	122501	133003	143505	150725	1/4
3/4	91218	101719	112219	122720	133222	143724	150725	1/2
10	91437	101937	112438	122939	133441	143943	150725	3/4
1/4	91655	102156	112657	123157	133659	144162	150725	2
1/2	91874	102375	112875	123376	133878	144380	150725	1/4
3/4	92093	102594	113094	123595	134097	144599	150725	1/2
11	92312	102812	113313	123814	134316	144818	150725	3/4
1/4	92530	103031	113532	124032	134534	145037	150725	1
1/2	92749	103250	113750	124251	134753	145256	150725	1/4
3/4	92968	103469	113969	124470	134972	145474	150725	1/2

THIS TABLE IS SCALED FROM THE BOTTOM STRIKE POINT BELOW THE GAUGE HATCH TO TOP OF THE TANK AT CENTERLINE
 IF GAUGING FROM (D/I) / (M/C) VAPOR LOCK VALVE PIPE, THE TOTAL HEIGHT TO TOP OF VALVE IS
 ADJUSTMENT TO INNAE GAUGES: NI 16 04 3/4"
 Calibration: RT/WH
 Calculation: WHF
 Dated: April 8, 1997



Intertek Testing Services
Caleb Brett

DOUBLE SKIN BARGE
"RCT - 12"

TANK: 2

CAPACITIES IN U.S. GALLONS

HULL # 96-2870

TOTAL GAUGE HEIGHT: 15' 08 3/4"

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	26	0	9205	0	19706	0	30181	0	40676	0	51179	0	61681	0	72183
1/4	36	1/4	9424	1/4	19924	1/4	30399	1/4	40895	1/4	51398	1/4	61900	1/4	72402
1/2	63	1/2	9642	1/2	20143	1/2	30617	1/2	41114	1/2	51616	1/2	62119	1/2	72621
3/4	108	3/4	9861	3/4	20362	3/4	30835	3/4	41333	3/4	51835	3/4	62338	3/4	72840
1	172	1	10080	1	20581	1	31053	1	41552	1	52054	1	62556	1	73058
1/4	254	1/4	10299	1/4	20799	1/4	31271	1/4	41770	1/4	52273	1/4	62775	1/4	73277
1/2	354	1/2	10517	1/2	21018	1/2	31489	1/2	41989	1/2	52492	1/2	62994	1/2	73496
3/4	473	3/4	10736	3/4	21237	3/4	31707	3/4	42208	3/4	52710	3/4	63213	3/4	73715
2	610	2	10955	2	21455	2	31925	2	42427	2	52929	2	63432	2	73934
1/4	765	1/4	11174	1/4	21674	1/4	32143	1/4	42646	1/4	53148	1/4	63650	1/4	74152
1/2	938	1/2	11392	1/2	21893	1/2	32362	1/2	42864	1/2	53367	1/2	63869	1/2	74371
3/4	1129	3/4	11611	3/4	22112	3/4	32581	3/4	43083	3/4	53586	3/4	64088	3/4	74590
3	1339	3	11830	3	22330	3	32800	3	43302	3	53804	3	64307	3	74809
1/4	1548	1/4	12049	1/4	22549	1/4	33019	1/4	43521	1/4	54023	1/4	64526	1/4	75028
1/2	1767	1/2	12268	1/2	22768	1/2	33237	1/2	43740	1/2	54242	1/2	64744	1/2	75246
3/4	1986	3/4	12486	3/4	22986	3/4	33456	3/4	43958	3/4	54461	3/4	64963	3/4	75465
4	2204	4	12705	4	23205	4	33675	4	44177	4	54680	4	65182	4	75684
1/4	2423	1/4	12924	1/4	23424	1/4	33894	1/4	44396	1/4	54898	1/4	65401	1/4	75903
1/2	2642	1/2	13143	1/2	23642	1/2	34113	1/2	44615	1/2	55117	1/2	65620	1/2	76121
3/4	2861	3/4	13361	3/4	23860	3/4	34331	3/4	44834	3/4	55336	3/4	65838	3/4	76340
5	3079	5	13580	5	24078	5	34550	5	45052	5	55555	5	66057	5	76559
1/4	3298	1/4	13799	1/4	24296	1/4	34769	1/4	45271	1/4	55774	1/4	66276	1/4	76778
1/2	3517	1/2	14018	1/2	24514	1/2	34988	1/2	45490	1/2	55992	1/2	66495	1/2	76997
3/4	3736	3/4	14236	3/4	24732	3/4	35207	3/4	45709	3/4	56211	3/4	66713	3/4	77215
6	3954	6	14455	6	24950	6	35425	6	45928	6	56430	6	66932	6	77434
1/4	4173	1/4	14674	1/4	25168	1/4	35644	1/4	46146	1/4	56649	1/4	67151	1/4	77653
1/2	4392	1/2	14893	1/2	25386	1/2	35863	1/2	46365	1/2	56868	1/2	67370	1/2	77872
3/4	4611	3/4	15112	3/4	25604	3/4	36082	3/4	46584	3/4	57086	3/4	67589	3/4	78091
7	4829	7	15330	7	25822	7	36301	7	46803	7	57305	7	67807	7	78309
1/4	5048	1/4	15549	1/4	26040	1/4	36519	1/4	47022	1/4	57524	1/4	68026	1/4	78528
1/2	5267	1/2	15768	1/2	26257	1/2	36737	1/2	47240	1/2	57743	1/2	68245	1/2	78747
3/4	5486	3/4	15987	3/4	26475	3/4	36957	3/4	47459	3/4	57962	3/4	68464	3/4	78966
8	5705	8	16205	8	26693	8	37176	8	47678	8	58180	8	68683	8	79185
1/4	5923	1/4	16424	1/4	26911	1/4	37395	1/4	47897	1/4	58399	1/4	68901	1/4	79403
1/2	6142	1/2	16643	1/2	27129	1/2	37613	1/2	48116	1/2	58618	1/2	69120	1/2	79622
3/4	6361	3/4	16862	3/4	27347	3/4	37832	3/4	48334	3/4	58837	3/4	69339	3/4	79841
9	6580	9	17080	9	27565	9	38051	9	48553	9	59056	9	69558	9	80060
1/4	6798	1/4	17299	1/4	27783	1/4	38270	1/4	48772	1/4	59274	1/4	69777	1/4	80278
1/2	7017	1/2	17518	1/2	28001	1/2	38489	1/2	48991	1/2	59493	1/2	69995	1/2	80497
3/4	7236	3/4	17737	3/4	28219	3/4	38707	3/4	49210	3/4	59712	3/4	70214	3/4	80716
10	7455	10	17956	10	28437	10	38926	10	49428	10	59931	10	70433	10	80935
1/4	7673	1/4	18174	1/4	28655	1/4	39145	1/4	49647	1/4	60150	1/4	70652	1/4	81154
1/2	7892	1/2	18393	1/2	28873	1/2	39364	1/2	49866	1/2	60368	1/2	70871	1/2	81372
3/4	8111	3/4	18612	3/4	29091	3/4	39583	3/4	50085	3/4	60587	3/4	71089	3/4	81591
11	8330	11	18831	11	29309	11	39801	11	50304	11	60806	11	71308	11	81810
1/4	8549	1/4	19049	1/4	29527	1/4	40020	1/4	50522	1/4	61025	1/4	71527	1/4	82029
1/2	8767	1/2	19268	1/2	29745	1/2	40239	1/2	50741	1/2	61244	1/2	71746	1/2	82248
3/4	8986	3/4	19487	3/4	29963	3/4	40458	3/4	50960	3/4	61462	3/4	71964	3/4	82466

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

Gauge FROM GAUGE HATCH LOCATED NEAR GEOMETRIC CENTER OF TANK



Intertek Testing Services
Caleb Brett

DOUBLE SKIN BARGE
"RCT - 12"

HULL # 96-2870

TANK: 3

TOTAL GAUGE HEIGHT: 15'-08 1/8"

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	26	0	9316	0	19818	0	30319	0	40822	0	51326	0	61830	0	72333
1/4	36	1/4	9534	1/4	20037	1/4	30537	1/4	41041	1/4	51545	1/4	62049	1/4	72552
1/2	66	1/2	9753	1/2	20255	1/2	30756	1/2	41260	1/2	51764	1/2	62267	1/2	72771
3/4	116	3/4	9972	3/4	20474	3/4	30975	3/4	41479	3/4	51982	3/4	62486	3/4	72990
1	185	1	10191	1	20693	1	31194	1	41697	1	52201	1	62705	1	73209
1/4	275	1/4	10410	1/4	20912	1/4	31412	1/4	41916	1/4	52420	1/4	62924	1/4	73428
1/2	384	1/2	10628	1/2	21130	1/2	31631	1/2	42135	1/2	52639	1/2	63143	1/2	73646
3/4	514	3/4	10847	3/4	21349	3/4	31850	3/4	42354	3/4	52858	3/4	63362	3/4	73865
2	663	2	11066	2	21568	2	32069	2	42573	2	53077	2	63580	2	74084
1/4	832	1/4	11285	1/4	21787	1/4	32288	1/4	42792	1/4	53295	1/4	63799	1/4	74303
1/2	1021	1/2	11504	1/2	22005	1/2	32506	1/2	43010	1/2	53514	1/2	64018	1/2	74522
3/4	1230	3/4	11722	3/4	22224	3/4	32725	3/4	43229	3/4	53733	3/4	64237	3/4	74740
3	1439	3	11941	3	22443	3	32944	3	43448	3	53952	3	64456	3	74959
1/4	1658	1/4	12160	1/4	22662	1/4	33163	1/4	43667	1/4	54171	1/4	64675	1/4	75178
1/2	1876	1/2	12379	1/2	22880	1/2	33380	1/2	43886	1/2	54390	1/2	64893	1/2	75397
3/4	2095	3/4	12598	3/4	23099	3/4	33601	3/4	44105	3/4	54608	3/4	65112	3/4	75616
4	2314	4	12816	4	23318	4	33819	4	44323	4	54827	4	65331	4	75835
1/4	2533	1/4	13035	1/4	23537	1/4	34038	1/4	44542	1/4	55046	1/4	65550	1/4	76053
1/2	2752	1/2	13254	1/2	23756	1/2	34257	1/2	44761	1/2	55265	1/2	65769	1/2	76272
3/4	2970	3/4	13473	3/4	23974	3/4	34476	3/4	44980	3/4	55484	3/4	65988	3/4	76491
5	3189	5	13692	5	24193	5	34695	5	45199	5	55703	5	66206	5	76710
1/4	3408	1/4	13910	1/4	24412	1/4	34914	1/4	45418	1/4	55921	1/4	66425	1/4	76929
1/2	3627	1/2	14129	1/2	24631	1/2	35132	1/2	45636	1/2	56140	1/2	66644	1/2	77147
3/4	3846	3/4	14348	3/4	24849	3/4	35351	3/4	45855	3/4	56359	3/4	66863	3/4	77366
6	4064	6	14567	6	25068	6	35570	6	46074	6	56578	6	67082	6	77585
1/4	4283	1/4	14786	1/4	25287	1/4	35789	1/4	46293	1/4	56797	1/4	67300	1/4	77804
1/2	4502	1/2	15004	1/2	25506	1/2	36008	1/2	46512	1/2	57016	1/2	67519	1/2	78023
3/4	4721	3/4	15223	3/4	25724	3/4	36227	3/4	46731	3/4	57234	3/4	67738	3/4	78242
7	4940	7	15442	7	25943	7	36445	7	46949	7	57453	7	67957	7	78460
1/4	5158	1/4	15661	1/4	26162	1/4	36664	1/4	47168	1/4	57672	1/4	68176	1/4	78679
1/2	5377	1/2	15880	1/2	26381	1/2	36883	1/2	47387	1/2	57891	1/2	68395	1/2	78898
3/4	5596	3/4	16098	3/4	26600	3/4	37102	3/4	47606	3/4	58110	3/4	68613	3/4	79117
8	5815	8	16317	8	26818	8	37321	8	47825	8	58329	8	68832	8	79336
1/4	6034	1/4	16536	1/4	27037	1/4	37540	1/4	48044	1/4	58547	1/4	69051	1/4	79554
1/2	6252	1/2	16755	1/2	27256	1/2	37758	1/2	48262	1/2	58766	1/2	69270	1/2	79773
3/4	6471	3/4	16974	3/4	27475	3/4	37977	3/4	48481	3/4	58985	3/4	69489	3/4	79992
9	6690	9	17192	9	27693	9	38196	9	48700	9	59204	9	69708	9	80211
1/4	6909	1/4	17411	1/4	27912	1/4	38415	1/4	48919	1/4	59423	1/4	69926	1/4	80430
1/2	7128	1/2	17630	1/2	28131	1/2	38634	1/2	49138	1/2	59641	1/2	70145	1/2	80649
3/4	7346	3/4	17849	3/4	28350	3/4	38853	3/4	49356	3/4	59860	3/4	70364	3/4	80867
10	7565	10	18068	10	28568	10	39071	10	49575	10	60079	10	70583	10	81086
1/4	7784	1/4	18286	1/4	28787	1/4	39290	1/4	49794	1/4	60298	1/4	70802	1/4	81305
1/2	8003	1/2	18505	1/2	29006	1/2	39509	1/2	50013	1/2	60517	1/2	71020	1/2	81524
3/4	8222	3/4	18724	3/4	29225	3/4	39728	3/4	50232	3/4	60736	3/4	71239	3/4	81743
11	8440	11	18943	11	29444	11	39947	11	50451	11	60954	11	71458	11	81962
1/4	8659	1/4	19162	1/4	29662	1/4	40166	1/4	50669	1/4	61173	1/4	71677	1/4	82180
1/2	8878	1/2	19380	1/2	29881	1/2	40384	1/2	50888	1/2	61392	1/2	71896	1/2	82399
3/4	9097	3/4	19599	3/4	30100	3/4	40603	3/4	51107	3/4	61611	3/4	72115	3/4	82618

VOLUME OF SUMP COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7 GAUGE FROM GAUGE HATCH LOCATED NEAR GEOMETRIC CENTER OF TANK

Calculated: KTAH
W/WHF
Dated: April 8, 1997

82180
82399
82618



Intertek Testing Services
Caleb Brett

DOUBLE SKIN BARGE

"RCT - 12"

HULL # 96-2870

TANK: 3

TOTAL GAUGE HEIGHT: 15'-08" 1/8"

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	82837	0	93340	0	103842	0	114344	0	124846	0	135350	0	145854	0	
1/4	83056	1/4	93559	1/4	104061	1/4	114563	1/4	125065	1/4	135569	1/4	146073	1/4	
1/2	83274	1/2	93778	1/2	104280	1/2	114782	1/2	125284	1/2	135788	1/2	146292	1/2	
3/4	83493	3/4	93996	3/4	104499	3/4	115001	3/4	125503	3/4	136007	3/4	146510	3/4	
1	83712	1	94215	1	104717	1	115219	1	125722	1	136225	1	146729	1	
1/4	83931	1/4	94434	1/4	104936	1/4	115438	1/4	125941	1/4	136444	1/4	146948	1/4	
1/2	84150	1/2	94653	1/2	105155	1/2	115657	1/2	126159	1/2	136663	1/2	147167	1/2	
3/4	84369	3/4	94872	3/4	105374	3/4	115876	3/4	126378	3/4	136882	3/4	147386	3/4	
2	84587	2	95090	2	105592	2	116095	2	126597	2	137101	2	147605	2	
1/4	84806	1/4	95309	1/4	105811	1/4	116313	1/4	126816	1/4	137320	1/4	147823	1/4	
1/2	85025	1/2	95528	1/2	106030	1/2	116532	1/2	127035	1/2	137538	1/2	148042	1/2	
3/4	85244	3/4	95747	3/4	106249	3/4	116751	3/4	127254	3/4	137757	3/4	148257	3/4	
3	85463	3	95966	3	106468	3	116970	3	127472	3	137976	3	148462	3	
1/4	85681	1/4	96184	1/4	106686	1/4	117189	1/4	127691	1/4	138195	1/4	148658	1/4	
1/2	85900	1/2	96403	1/2	106905	1/2	117407	1/2	127910	1/2	138414	1/2	148845	1/2	
3/4	86119	3/4	96622	3/4	107124	3/4	117626	3/4	128129	3/4	138633	3/4	149022	3/4	
4	86338	4	96841	4	107343	4	117845	4	128348	4	138851	4	149191	4	
1/4	86557	1/4	97059	1/4	107562	1/4	118064	1/4	128566	1/4	139070	1/4	149351	1/4	
1/2	86776	1/2	97278	1/2	107780	1/2	118283	1/2	128785	1/2	139289	1/2	149501	1/2	
3/4	86994	3/4	97497	3/4	107999	3/4	118501	3/4	129004	3/4	139508	3/4	149642	3/4	
5	87213	5	97716	5	108218	5	118720	5	129223	5	139727	5	149775	5	
1/4	87432	1/4	97935	1/4	108437	1/4	118939	1/4	129442	1/4	139946	1/4	149898	1/4	
1/2	87651	1/2	98153	1/2	108656	1/2	119158	1/2	129661	1/2	140164	1/2	150012	1/2	
3/4	87870	3/4	98372	3/4	108874	3/4	119377	3/4	129879	3/4	140383	3/4	150117	3/4	
6	88088	6	98591	6	109093	6	119595	6	130098	6	140602	6	150212	6	
1/4	88307	1/4	98810	1/4	109312	1/4	119814	1/4	130317	1/4	140821	1/4	150299	1/4	
1/2	88526	1/2	99029	1/2	109531	1/2	120033	1/2	130536	1/2	141040	1/2	150376	1/2	
3/4	88745	3/4	99247	3/4	109750	3/4	120252	3/4	130755	3/4	141259	3/4	150445	3/4	
7	88964	7	99466	7	109968	7	120471	7	130974	7	141477	7	150504	7	
1/4	89183	1/4	99685	1/4	110187	1/4	120689	1/4	131192	1/4	141696	1/4	150554	1/4	
1/2	89401	1/2	99904	1/2	110406	1/2	120908	1/2	131411	1/2	141915	1/2	150595	1/2	
3/4	89620	3/4	100123	3/4	110625	3/4	121127	3/4	131630	3/4	142134	3/4	150627	3/4	
8	89839	8	100341	8	110844	8	121346	8	131849	8	142353	8	150650	8	
1/4	90058	1/4	100560	1/4	111062	1/4	121564	1/4	132068	1/4	142572	1/4	150664	1/4	
1/2	90277	1/2	100779	1/2	111281	1/2	121783	1/2	132287	1/2	142790	1/2	150668	1/2	
3/4	90496	3/4	100998	3/4	111500	3/4	122002	3/4	132505	3/4	143009	3/4		3/4	
9	90714	9	101217	9	111719	9	122221	9	132724	9	143228	9		9	
1/4	90933	1/4	101435	1/4	111938	1/4	122440	1/4	132943	1/4	143447	1/4		1/4	
1/2	91152	1/2	101654	1/2	112156	1/2	122658	1/2	133162	1/2	143666	1/2		1/2	
3/4	91371	3/4	101873	3/4	112375	3/4	122877	3/4	133381	3/4	143885	3/4		3/4	
10	91590	10	102092	10	112594	10	123096	10	133600	10	144103	10		10	
1/4	91808	1/4	102311	1/4	112813	1/4	123315	1/4	133818	1/4	144322	1/4		1/4	
1/2	92027	1/2	102529	1/2	113031	1/2	123534	1/2	134037	1/2	144541	1/2		1/2	
3/4	92246	3/4	102748	3/4	113250	3/4	123752	3/4	134256	3/4	144760	3/4		3/4	
11	92465	11	102967	11	113469	11	123971	11	134475	11	144979	11		11	
1/4	92684	1/4	103186	1/4	113688	1/4	124190	1/4	134694	1/4	145197	1/4		1/4	
1/2	92902	1/2	103405	1/2	113907	1/2	124409	1/2	134913	1/2	145416	1/2		1/2	
3/4	93121	3/4	103623	3/4	114125	3/4	124628	3/4	135131	3/4	145635	3/4		3/4	

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

IF GAUGING FROM (U/I/L/M/C) VAPOR LOCK VALVE PIPE, THE TOTAL HEIGHT TO TOP OF VALVE IS ADJUSTMENT TO INNAUGE GAUGES

16" O3 7/8" 1/8"

Calibrated: KTAH
Calculation: WHF
Dated: April 8, 1997

15' 08" 1/8"

PAGE NO. 2