

**DOUBLE SKIN BARGE**  
**CHEM-262**

**TANK: 1**

CAPACITIES IN U.S. GALLONS

IN	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT
0	36	10427	22037	33645	45216	56792	68382	79993
1/4	67	10669	22279	33886	45457	57033	68624	80235
1/2	117	10911	22521	34127	45698	57274	68866	80477
3/4	187	11152	22763	34368	45939	57515	69108	80719
1	278	11394	23005	34609	46180	57756	69360	80961
1 1/4	389	11636	23246	34850	46421	57998	69592	81203
1 1/2	520	11878	23488	35091	46662	58239	69833	81445
1 3/4	671	12120	23730	35332	46903	58480	70075	81687
2	842	12362	23972	35573	47145	58721	70317	81929
2 1/4	1034	12604	24214	35814	47386	58962	70559	82171
2 1/2	1246	12846	24456	36055	47627	59204	70801	82412
2 3/4	1477	13087	24698	36296	47868	59445	71043	82654
3	1719	13329	24940	36537	48109	59686	71285	82896
3 1/4	1961	13571	25181	36778	48350	59927	71527	83138
3 1/2	2203	13813	25423	37019	48591	60168	71769	83380
3 3/4	2445	14055	25665	37260	48832	60410	72011	83622
4	2687	14297	25907	37501	49074	60651	72252	83864
4 1/4	2929	14539	26149	37743	49315	60892	72494	84106
4 1/2	3170	14781	26391	37984	49556	61133	72736	84348
4 3/4	3412	15023	26633	38225	49797	61374	72978	84590
5	3654	15264	26875	38466	50038	61616	73220	84832
5 1/4	3896	15506	27116	38707	50279	61857	73462	85073
5 1/2	4138	15748	27358	38948	50520	62098	73704	85315
5 3/4	4380	15990	27600	39189	50762	62339	73946	85557
6	4622	16232	27842	39430	51003	62581	74188	85799
6 1/4	4864	16474	28084	39671	51244	62822	74430	86041
6 1/2	5105	16716	28326	39912	51485	63063	74672	86283
6 3/4	5347	16958	28568	40153	51726	63304	74913	86525
7	5589	17199	28810	40394	51968	63545	75155	86767
7 1/4	5831	17441	29051	40635	52209	63787	75397	87009
7 1/2	6073	17683	29293	40876	52450	64028	75639	87251
7 3/4	6315	17925	29535	41117	52691	64270	75881	87492
8	6557	18167	29777	41358	52932	64512	76123	87734
8 1/4	6799	18409	30019	41599	53174	64753	76365	87976
8 1/2	7041	18651	30261	41840	53415	64995	76607	88218
8 3/4	7282	18893	30503	42081	53656	65237	76849	88460
9	7524	19134	30745	42322	53897	65479	77091	88702
9 1/4	7766	19376	30987	42563	54138	65721	77332	88944
9 1/2	8008	19618	31228	42804	54380	65963	77574	89186
9 3/4	8250	19860	31470	43045	54621	66205	77816	89428
10	8492	20102	31712	43286	54862	66447	78058	89670
10 1/4	8734	20344	31954	43528	55103	66689	78300	89912
10 1/2	8976	20586	32196	43769	55344	66931	78542	90153
10 3/4	9217	20828	32438	44010	55586	67172	78784	90395
11	9459	21069	32680	44251	55827	67414	79026	90637
11 1/4	9701	21311	32922	44492	56068	67656	79268	90879
11 1/2	9943	21553	33163	44733	56309	67898	79510	91121
11 3/4	10185	21795	33404	44974	56550	68140	79752	91363

VOLUME OF SOLID GAUGE FROM MINOR VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

Calculated: JDB/JH  
WHF

COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7

TOTAL GAUGE HEIGHT: 16' 03 3/4"



Intertek Testing Services  
Caleb Brett

# DOUBLE SKIN BARGE CHEM-262

LTB1937

HULL # 88-2338

## TANK: 1

TOTAL GAUGE HEIGHT: 16' 03 3/4"

IN	8 FT	9 FT	10 FT	11 FT	12 FT	13 FT	14 FT	15 FT
IN	91605	103216	114828	126006	136845	147684	158523	
1/4	91847	103458	115070	126232	137071	147910	158749	
1/2	92089	103700	115312	126458	137297	148136	158974	
3/4	92331	103942	115554	126683	137523	148362	159200	
1	92572	104184	115796	126909	137749	148587	159426	
1/4	92814	104426	116038	127136	137974	148813	159652	
1/2	93056	104668	116280	127361	138200	149039	159878	
3/4	93298	104910	116522	127587	138426	149265	159878	
2	93540	105152	116764	127813	138652	149491	160103	
1/4	93782	105394	117005	128038	138878	149716	160329	
1/2	94024	105636	117247	128264	139103	149942	160555	
3/4	94266	105877	117489	128490	139329	150168	160781	
3	94508	106119	117731	128716	139555	150394	161002	
1/4	94750	106361	117973	128942	139781	150620	161215	
1/2	94992	106603	118215	129168	140007	150845	161419	
3/4	95233	106845	118457	129393	140232	151071	161615	
4	95475	107087	118699	129619	140458	151297	161801	
1/4	95717	107329	118941	129845	140684	151523	162149	
1/2	95959	107571	119183	130071	140910	151749	162309	
3/4	96201	107813	119425	130297	141136	151974	162461	
5	96443	108055	119667	130523	141362	152200	162605	
1/4	96685	108297	119908	130748	141587	152426	162739	
1/2	96927	108538	120134	130974	141813	152652	162865	
3/4	97169	108780	120360	131200	142039	152878	162982	
6	97411	109022	120586	131426	142265	153103	163091	
1/4	97652	109264	120812	131652	142491	153329	163191	
1/2	97894	109506	121038	131878	142716	153555	163282	
3/4	98136	109748	121263	132103	142942	153781	163364	
7	98378	109990	121489	132329	143168	154007	163438	
1/4	98620	110232	121715	132555	143394	154232	163503	
1/2	98862	110474	121941	132781	143620	154458	163560	
3/4	99104	110716	122167	133007	143845	154684	163608	
8	99346	110958	122393	133232	144071	154910	163647	
1/4	99588	111200	122618	133458	144297	155136	163677	
1/2	99830	111441	122844	133684	144523	155362	163699	
3/4	100072	111683	123070	133910	144749	155587	163712	
9	100313	111925	123296	134136	144974	155813		
1/4	100555	112167	123522	134362	145200	156039		
1/2	100797	112409	123748	134587	145426	156265		
3/4	101039	112651	123973	134813	145652	156491		
10	101281	112893	124199	135039	145878	156716		
1/4	101523	113135	124425	135265	146103	156942		
1/2	101765	113377	124651	135491	146329	157168		
3/4	102007	113619	124877	135716	146555	157394		
11	102249	113861	125103	135942	146781	157620		
1/4	102491	114102	125328	136168	147007	157845		
1/2	102733	114344	125554	136394	147232	158071		
3/4	102974	114586	125780	136620	147458	158297		

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

Calculated: JEVCH  
WHF



Intertek Testing Services  
Caleb Brett

# DOUBLE SKIN BARGE CHEM-262

## TANK: 2

CAPACITIES IN U.S. GALLONS

HULL # 98-2358

TOTAL GAUGE HEIGHT: 16' 04"

IN	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT
IN	0	0	0	0	0	0	0	0
3/4	66	10655	22250	33842	45401	56962	68538	80134
1/2	117	10896	22491	34083	45642	57203	68779	80375
1/4	187	11138	22733	34324	45883	57444	69021	80617
1	278	11379	22974	34565	46123	57685	69262	80859
1/4	388	11621	23216	34805	46364	57925	69504	81100
1/2	519	11863	23457	35046	46605	58166	69746	81342
3/4	670	12104	23699	35287	46846	58407	69987	81583
2	841	12346	23941	35528	47087	58648	70229	81825
1/4	1033	12587	24182	35768	47327	58889	70470	82067
1/2	1244	12829	24424	36009	47568	59130	70712	82308
3/4	1475	13070	24665	36250	47809	59371	70954	82550
3	1717	13312	24907	36491	48050	59612	71195	82791
1/4	1959	13553	25148	36732	48291	59852	71437	83033
1/2	2200	13795	25390	36972	48531	60093	71678	83274
3/4	2442	14037	25631	37213	48772	60334	71920	83516
4	2683	14278	25873	37454	49013	60575	72161	83758
1/4	2925	14520	26115	37695	49254	60816	72403	83999
1/2	3166	14761	26356	37936	49495	61057	72645	84241
3/4	3408	15003	26598	38176	49736	61298	72886	84482
5	3649	15244	26839	38417	49976	61539	73128	84724
1/4	3891	15486	27081	38658	50217	61780	73369	84966
1/2	4133	15727	27322	38899	50458	62020	73611	85207
3/4	4374	15969	27564	39140	50699	62261	73853	85449
6	4616	16211	27806	39381	50940	62502	74094	85690
1/4	4857	16452	28047	39621	51181	62743	74336	85932
1/2	5099	16694	28289	39862	51422	62984	74577	86174
3/4	5340	16935	28530	40103	51662	63225	74819	86415
7	5582	17177	28772	40344	51903	63466	75061	86657
1/4	5824	17418	29013	40585	52144	63707	75302	86898
1/2	6065	17660	29255	40825	52385	63948	75544	87140
3/4	6307	17902	29496	41066	52626	64189	75785	87381
8	6548	18143	29738	41307	52867	64431	76027	87623
1/4	6790	18385	29980	41548	53108	64672	76268	87865
1/2	7031	18626	30221	41789	53349	64914	76510	88106
3/4	7273	18868	30463	42029	53589	65155	76752	88348
9	7514	19109	30704	42270	53830	65397	76993	88589
1/4	7756	19351	30946	42511	54071	65639	77235	88831
1/2	7998	19592	31187	42752	54312	65880	77476	89073
3/4	8239	19834	31429	42993	54553	66122	77718	89314
10	8481	20076	31671	43234	54794	66363	77960	89556
1/4	8722	20317	31912	43474	55035	66605	78201	89797
1/2	8964	20559	32154	43715	55276	66847	78443	90039
3/4	9205	20800	32395	43956	55517	67088	78684	90281
11	9447	21042	32637	44197	55757	67330	78926	90522
1/4	9688	21283	32878	44438	55998	67571	79167	90764
1/2	9930	21525	33120	44678	56239	67813	79409	91005
3/4	10172	21767	33361	44919	56480	68054	79651	91247

VOLUME OF SOLID GAUGE FROM MINOR VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7

Calculated: JDOH  
Checked: WHF



Intertek Testing Services  
Caleb Brett

DOUBLE SKIN BARGE  
CHEM-262

TANK: 2

CAPACITIES IN U.S. GALLONS

HULL # 98-2358

TOTAL GAUGE HEIGHT: 15.04'

IN	8 FT	9 FT	10 FT	11 FT	12 FT	13 FT	14 FT	15 FT
0	91488	103085	114681	126278	137874	149469	161065	
1/4	91730	103326	114923	126519	138116	149711	161306	
1/2	91972	103568	115164	126761	138357	149953	161548	
3/4	92213	103810	115406	127003	138599	150194	161789	
1	92455	104051	115648	127244	138840	150436	162031	
1 1/4	92696	104293	115889	127486	139082	150677	162273	
1 1/2	92938	104534	116131	127727	139323	150919	162514	
1 3/4	93180	104776	116372	127969	139565	151160	162756	
2	93421	105017	116614	128211	139807	151402	162997	
1/4	93663	105259	116856	128452	140048	151643	163239	
1/2	93904	105501	117097	128694	140290	151885	163480	
3/4	94146	105742	117339	128935	140531	152127	163717	
3	94387	105984	117580	129177	140773	152368	163945	
1/4	94629	106225	117822	129419	141014	152609	164186	
1/2	94871	106467	118064	129660	141256	152851	164427	
3/4	95112	106709	118305	129902	141498	153093	164668	
4	95354	106950	118547	130143	141739	153334	164909	
1/4	95595	107192	118788	130385	141981	153576	165150	
1/2	95837	107433	119030	130627	142222	153818	165391	
3/4	96079	107675	119272	130868	142464	154059	165632	
5	96320	107917	119513	131110	142705	154301	165873	
1/4	96562	108158	119755	131351	142947	154542	166114	
1/2	96803	108400	119996	131593	143189	154784	166355	
3/4	97045	108641	120238	131835	143430	155025	166596	
6	97287	108883	120480	132076	143672	155267	166837	
1/4	97528	109125	120721	132318	143913	155509	167078	
1/2	97770	109366	120963	132559	144155	155750	167319	
3/4	98011	109608	121204	132801	144396	155992	167560	
7	98253	109849	121446	133043	144638	156233	167801	
1/4	98494	110091	121688	133284	144880	156475	168042	
1/2	98736	110333	121929	133526	145121	156716	168283	
3/4	98978	110574	122171	133767	145363	156958	168524	
8	99219	110816	122412	134009	145604	157200	168765	
1/4	99461	111057	122654	134250	145846	157441	169006	
1/2	99702	111299	122896	134492	146087	157683	169247	
3/4	99944	111541	123137	134734	146329	157924	169488	
9	100186	111782	123379	134975	146571	158166	169729	
1/4	100427	112024	123620	135217	146812	158407	170000	
1/2	100669	112265	123862	135458	147054	158649	170241	
3/4	100910	112507	124104	135700	147295	158891	170482	
10	101152	112749	124345	135941	147537	159132	170723	
1/4	101394	112990	124587	136183	147778	159374	170964	
1/2	101635	113232	124828	136425	148020	159615	171205	
3/4	101877	113473	125070	136666	148262	159857	171446	
11	102118	113715	125312	136908	148503	160098	171687	
1/4	102360	113957	125553	137149	148745	160340	171928	
1/2	102602	114198	125795	137391	148986	160582	172169	
3/4	102843	114440	126036	137632	149228	160823	172410	

THIS TABLES SCALED FROM THE BOTTOM STRIKE POINT BELOW THE MANCUT VALVE TO TOP OF THE TANK AT CENTERLINE

Callboard: JDUJH  
Calculation: WBF

**DOUBLE SKIN BARGE  
CHEM-262**

**TANK: 3**

CAPACITIES IN U.S. GALLONS

HULL # 98-2355

TOTAL GAUGE HEIGHT: 16.03 78"

IN	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT
0	35	9379	19819	30257	40685	51120	61559	71998
1/4	62	9596	20036	30474	40902	51337	61776	72215
1/2	108	9814	20254	30691	41119	51555	61994	72433
3/4	171	10031	20471	30908	41337	51772	62211	72650
1	253	10249	20689	31125	41554	51990	62429	72868
1 1/4	352	10466	20906	31343	41771	52207	62646	73085
1 1/2	470	10684	21124	31560	41989	52425	62864	73303
1 3/4	606	10901	21341	31777	42206	52642	63081	73520
2	760	11119	21559	31994	42423	52860	63299	73738
1/4	932	11336	21776	32211	42641	53077	63516	73955
1/2	1123	11554	21994	32429	42858	53295	63734	74173
3/4	1331	11771	22211	32646	43075	53512	63951	74390
1	1549	11989	22428	32863	43292	53730	64168	74608
1 1/4	1766	12206	22646	33080	43510	53947	64386	74825
1 1/2	1984	12424	22863	33298	43727	54164	64603	75042
3/4	2201	12641	23081	33515	43944	54382	64821	75260
4	2419	12859	23298	33732	44162	54599	65038	75477
1/4	2636	13076	23516	33949	44379	54817	65256	75695
1/2	2854	13294	23733	34167	44596	55034	65473	75912
3/4	3071	13511	23951	34384	44814	55252	65691	76130
1	3289	13729	24168	34601	45031	55469	65908	76347
1 1/4	3506	13946	24386	34818	45248	55687	66126	76565
1 1/2	3724	14164	24603	35036	45465	55904	66343	76782
3/4	3941	14381	24821	35253	45683	56122	66561	77000
6	4159	14599	25038	35470	45900	56339	66778	77217
1/4	4376	14816	25255	35687	46118	56557	66996	77435
1/2	4594	15034	25473	35905	46335	56774	67213	77652
3/4	4811	15251	25690	36122	46553	56992	67431	77870
1	5029	15469	25908	36339	46770	57209	67648	78087
1 1/4	5246	15686	26125	36557	46988	57427	67866	78305
1 1/2	5464	15904	26343	36774	47205	57644	68083	78522
3/4	5681	16121	26560	36991	47423	57862	68301	78740
8	5899	16339	26778	37208	47640	58079	68518	78957
1/4	6116	16556	26995	37426	47858	58297	68736	79175
1/2	6334	16774	27213	37643	48075	58514	68953	79392
3/4	6551	16991	27430	37860	48293	58731	69171	79610
9	6769	17209	27648	38077	48510	58949	69388	79827
1/4	6986	17426	27865	38295	48728	59166	69605	80045
1/2	7204	17644	28082	38512	48945	59384	69823	80262
3/4	7421	17861	28300	38729	49163	59601	70040	80479
10	7639	18079	28517	38946	49380	59819	70258	80697
1/4	7856	18296	28735	39164	49597	60036	70475	80914
1/2	8074	18514	28952	39381	49815	60254	70693	81132
3/4	8291	18731	29170	39598	50032	60471	70910	81349
11	8509	18949	29387	39816	50250	60689	71128	81567
1 1/4	8726	19166	29605	40033	50467	60906	71345	81784
1 1/2	8944	19384	29822	40250	50685	61124	71563	82002
3/4	9161	19601	30039	40468	50902	61341	71780	82219

VOLUME OF SOLID

GAUGE FROM MANHOLE VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

Calculated: JCH  
WHF

COMPUTATION IN ACCORDANCE WITH API MPMS CHAPTER 2.7



Intertek Testing Services  
Caleb Brett

DOUBLE SKIN BARGE  
CHEM-262

TANK: 3

CAPACITIES IN U.S. GALLONS

HULL # 98-2356

TOTAL GAUGE HEIGHT: 15' 03 7/8"

IN	8 FT	9 FT	10 FT	11 FT	12 FT	13 FT	14 FT	15 FT
0	82437	92876	103315	113755	124193	134632	145070	
1/4	82654	93093	103533	113972	124411	134849	145287	
1/2	82872	93311	103750	114190	124628	135066	145505	
3/4	83089	93528	103968	114407	124846	135284	145722	
1	83307	93746	104185	114625	125063	135501	145940	
1/4	83524	93963	104403	114842	125281	135719	146157	
1/2	83742	94181	104620	115059	125498	135936	146374	
3/4	83959	94398	104838	115277	125716	136154	146592	
2	84177	94616	105055	115494	125933	136371	146809	
1/4	84394	94833	105273	115712	126151	136589	147027	
1/2	84612	95051	105490	115929	126368	136806	147244	
3/4	84829	95268	105708	116147	126586	137024	147495	
3	85047	95486	105925	116364	126803	137241	147735	
1/4	85264	95703	106143	116582	127020	137459	147963	
1/2	85481	95921	106360	116799	127238	137676	148179	
3/4	85699	96138	106578	117017	127455	137893	148383	
4	85916	96356	106795	117234	127673	138111	148576	
1/4	86134	96573	107012	117452	127890	138328	148757	
1/2	86351	96791	107230	117669	128108	138546	148926	
3/4	86569	97008	107447	117887	128325	138763	149084	
5	86786	97226	107665	118104	128543	138981	149230	
1/4	87004	97443	107882	118322	128760	139198	149364	
1/2	87221	97661	108100	118539	128978	139416	149487	
3/4	87439	97878	108317	118757	129195	139633	149698	
6	87656	98096	108535	118974	129413	139851	149697	
1/4	87874	98313	108752	119192	129630	140068	149785	
1/2	88091	98531	108970	119409	129847	140286	149861	
3/4	88309	98748	109187	119627	130065	140503	149925	
7	88526	98965	109405	119844	130282	140720	149977	
1/4	88744	99183	109622	120062	130500	140938	150018	
1/2	88961	99400	109840	120279	130717	141155	150047	
3/4	89179	99618	110057	120497	130935	141373	150065	
8	89396	99835	110275	120714	131152	141590	150071	
1/4	89614	100053	110492	120932	131370	141808		
1/2	89831	100270	110710	121149	131587	142025		
3/4	90049	100488	110927	121366	131805	142243		
9	90266	100705	111145	121584	132022	142460		
1/4	90484	100923	111362	121801	132240	142678		
1/2	90701	101140	111580	122019	132457	142895		
3/4	90918	101358	111797	122236	132674	143113		
10	91136	101575	112015	122454	132892	143330		
1/4	91353	101793	112232	122671	133109	143547		
1/2	91571	102010	112450	122889	133327	143765		
3/4	91788	102228	112667	123106	133544	143982		
11	92006	102445	112885	123324	133762	144200		
1/4	92223	102663	113102	123541	133979	144417		
1/2	92441	102880	113320	123759	134197	144635		
3/4	92658	103098	113537	123976	134414	144852		

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

Calculated: JWH  
Calculation: WHF  
Date: November 6 1988