

STABILITY INFORMATION BOOKLET

FCS 3307

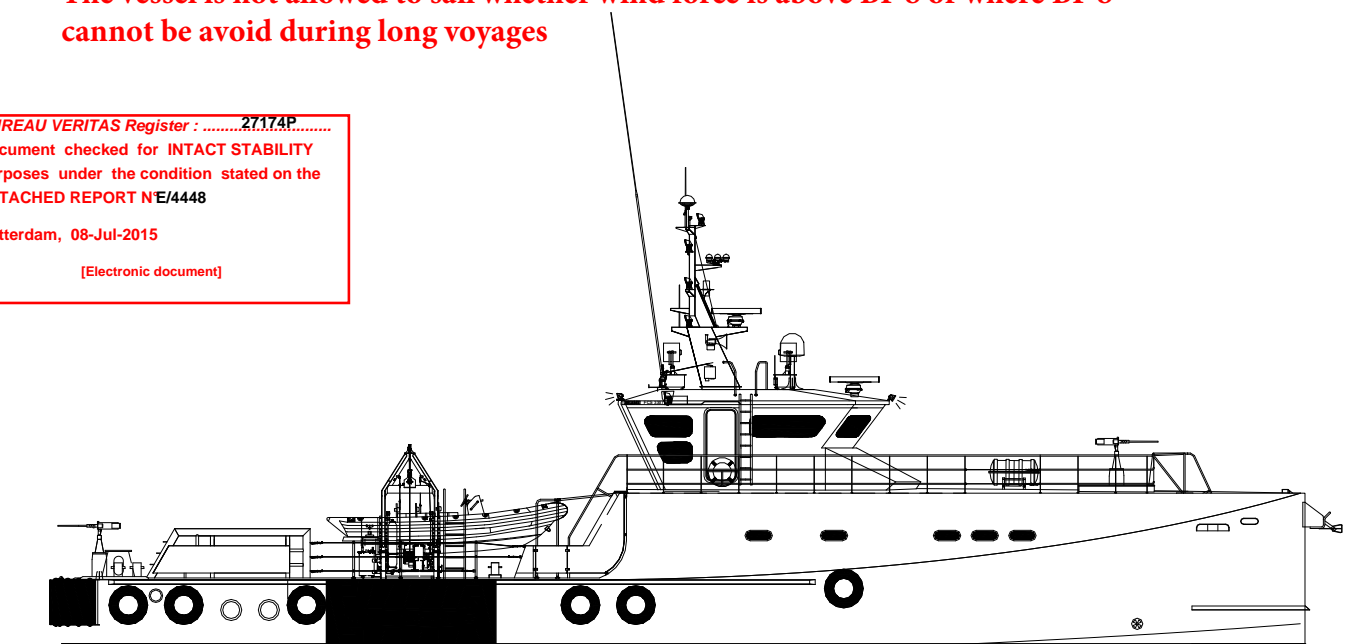
Yard no. : 544843

Name : TMC ANGEL

Date : January, 2015

All loading conditions have been checked for a maximum wind force BF 8, with a wind pressure of 26.84 kg/m² with the following restriction:
The vessel is not allowed to sail whether wind force is above BF 8 or where BF 8 cannot be avoid during long voyages

BUREAU VERITAS Register :27174P.....
Document checked for INTACT STABILITY
purposes under the condition stated on the
ATTACHED REPORT N°E/4448
Rotterdam, 08-Jul-2015
[Electronic document]



Rev.	Date	Name	Checked	Revision Subject
A	16-04-15	JAN	CS	After inclining Test

Author : J.A. Nobel

Doc. No. : 544843-076-001

Checked : C. Schimmel

DAMEN

APPENDIX

Tank Height Tables. (*Height from baseline*)

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TANK VOLUME TABLE

FCS 3307

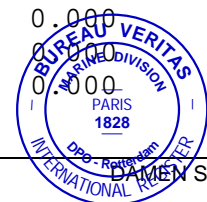
01. Void 29-33

Trim = 0.000 m

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Specific weight = 1.000 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
-0.908	0.000	0.000	-0.908	32.626	0.000	0.000
-0.900	0.000	0.000	-0.904	32.626	0.000	0.000
-0.890	0.001	0.001	-0.898	32.626	0.000	0.000
-0.880	0.001	0.001	-0.892	32.626	0.000	0.000
-0.870	0.002	0.002	-0.886	32.626	0.000	0.000
-0.860	0.003	0.003	-0.880	32.626	0.000	0.000
-0.850	0.004	0.004	-0.874	32.626	0.000	0.000
-0.840	0.005	0.005	-0.869	32.626	0.000	0.000
-0.830	0.006	0.006	-0.863	32.626	0.000	0.000
-0.820	0.007	0.007	-0.857	32.626	0.000	0.000
-0.810	0.008	0.008	-0.851	32.626	0.000	0.001
-0.800	0.009	0.009	-0.843	32.601	0.000	0.001
-0.750	0.022	0.022	-0.803	32.431	0.000	0.002
-0.700	0.039	0.039	-0.769	32.343	0.000	0.002
-0.650	0.062	0.062	-0.734	32.198	0.000	0.002
-0.600	0.088	0.088	-0.701	32.075	0.000	0.003
-0.550	0.121	0.121	-0.667	31.930	0.000	0.003
-0.500	0.158	0.158	-0.635	31.798	0.000	0.004
-0.450	0.200	0.200	-0.602	31.678	0.000	0.005
-0.400	0.246	0.246	-0.568	31.576	0.000	0.006
-0.350	0.296	0.296	-0.535	31.489	0.000	0.007
-0.300	0.351	0.351	-0.502	31.413	0.000	0.009
-0.250	0.410	0.410	-0.468	31.346	0.000	0.011
-0.200	0.473	0.473	-0.436	31.288	0.000	0.013
-0.150	0.540	0.540	-0.403	31.235	0.000	0.016
-0.100	0.611	0.611	-0.370	31.188	0.000	0.020
-0.050	0.687	0.687	-0.338	31.146	0.000	0.024
-0.000	0.766	0.766	-0.305	31.107	0.000	0.029
0.050	0.850	0.850	-0.273	31.072	0.000	0.034
0.100	0.938	0.938	-0.240	31.039	0.000	0.040
0.150	1.030	1.030	-0.208	31.010	0.000	0.047
0.200	1.125	1.125	-0.175	30.982	0.000	0.054
0.250	1.225	1.225	-0.143	30.957	0.000	0.062
0.300	1.329	1.329	-0.110	30.933	0.000	0.071
0.350	1.437	1.437	-0.078	30.911	0.000	0.081
0.400	1.549	1.549	-0.045	30.890	0.000	0.092
0.450	1.665	1.665	-0.012	30.871	0.000	0.104
0.500	1.785	1.785	0.021	30.853	0.000	0.116
0.550	1.909	1.909	0.054	30.836	0.000	0.130
0.600	2.037	2.037	0.086	30.820	0.000	0.145
0.650	2.170	2.170	0.119	30.805	0.000	0.161
0.700	2.306	2.306	0.152	30.791	0.000	0.178
0.750	2.446	2.446	0.185	30.777	0.000	0.196



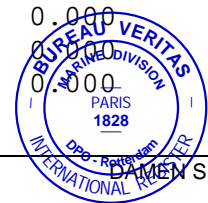
TANK VOLUME TABLE

FCS 3307

01. Void 29-33
Trim = 0.000 m

01 Mar 2012 13:22:58
Specific weight = 1.000 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
0.800	2.590	2.590	0.218	30.765	0.000	0.215
0.850	2.738	2.738	0.251	30.752	0.000	0.236
0.900	2.890	2.890	0.284	30.741	0.000	0.257
0.950	3.046	3.046	0.316	30.730	0.000	0.280
1.000	3.206	3.206	0.349	30.720	0.000	0.304
1.050	3.370	3.370	0.382	30.710	0.000	0.329
1.100	3.537	3.537	0.415	30.700	0.000	0.356
1.150	3.709	3.709	0.448	30.691	0.000	0.384
1.200	3.885	3.885	0.481	30.683	0.000	0.413
1.250	4.064	4.064	0.514	30.675	0.000	0.444
1.300	4.247	4.247	0.546	30.667	0.000	0.476
1.350	4.435	4.435	0.579	30.659	0.000	0.510
1.400	4.626	4.626	0.612	30.652	0.000	0.545
1.450	4.821	4.821	0.645	30.645	0.000	0.581
1.500	5.020	5.020	0.678	30.639	0.000	0.619
1.550	5.222	5.222	0.711	30.632	0.000	0.658
1.600	5.429	5.429	0.744	30.626	0.000	0.699
1.650	5.639	5.639	0.777	30.620	0.000	0.742
1.700	5.853	5.853	0.809	30.615	0.000	0.786
1.750	6.071	6.071	0.842	30.609	0.000	0.832
1.800	6.293	6.293	0.875	30.604	0.000	0.880
1.850	6.519	6.519	0.908	30.599	0.000	0.929
1.900	6.748	6.748	0.941	30.594	0.000	0.970
1.950	6.981	6.981	0.974	30.589	0.000	1.002
2.000	7.216	7.216	1.006	30.585	0.000	1.031
2.050	7.453	7.453	1.039	30.581	0.000	1.052
2.100	7.691	7.691	1.071	30.577	0.000	1.074
2.150	7.932	7.932	1.103	30.574	0.000	1.095
2.200	8.173	8.173	1.135	30.571	0.000	1.117
2.250	8.416	8.416	1.166	30.567	0.000	1.139
2.300	8.661	8.661	1.197	30.564	0.000	1.161
2.350	8.907	8.907	1.229	30.561	0.000	1.183
2.400	9.155	9.155	1.260	30.558	0.000	1.206
2.450	9.404	9.404	1.290	30.556	0.000	1.228
2.500	9.654	9.654	1.321	30.553	0.000	1.251
2.550	9.906	9.906	1.352	30.551	0.000	1.274
2.600	10.159	10.159	1.382	30.548	0.000	1.297
2.650	10.414	10.414	1.413	30.546	0.000	1.320
2.700	10.670	10.670	1.443	30.544	0.000	1.343
2.750	10.928	10.928	1.473	30.541	0.000	1.366
2.800	11.187	11.187	1.503	30.539	0.000	1.389
2.850	11.447	11.447	1.533	30.537	0.000	1.412
2.900	11.709	11.709	1.563	30.535	0.000	1.435



TANK VOLUME TABLE

FCS 3307

01. Void 29-33

Trim = 0.000 m

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Specific weight = 1.000 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
2.950	11.972	11.972	1.593	30.533	0.000	1.458
3.000	12.236	12.236	1.623	30.532	0.000	1.481
3.050	12.502	12.502	1.653	30.530	0.000	1.504
3.100	12.769	12.769	1.683	30.528	0.000	1.527
3.150	13.037	13.037	1.712	30.527	0.000	1.549
3.200	13.307	13.307	1.742	30.525	0.000	1.572
3.250	13.578	13.578	1.772	30.523	0.000	1.594
3.300	13.850	13.850	1.801	30.522	0.000	1.110
3.350	14.013	14.013	1.819	30.529	0.000	0.613
3.400	14.177	14.177	1.837	30.535	0.000	0.622
3.450	14.342	14.342	1.855	30.542	0.000	0.630
3.500	14.507	14.507	1.874	30.548	0.000	0.638
3.550	14.674	14.674	1.892	30.554	0.000	0.646
3.600	14.840	14.840	1.911	30.560	0.000	0.654
3.650	15.008	15.008	1.930	30.566	0.000	0.661
3.700	15.176	15.176	1.950	30.572	0.000	0.669
3.750	15.345	15.345	1.969	30.578	0.000	0.676
3.800	15.514	15.514	1.989	30.584	0.000	0.683
3.850	15.684	15.684	2.009	30.589	0.000	0.690
3.900	15.855	15.855	2.029	30.595	0.000	0.697
3.950	16.026	16.026	2.049	30.600	0.000	0.704
4.000	16.198	16.198	2.070	30.605	0.000	0.710
4.050	16.370	16.370	2.090	30.610	0.000	0.717
4.100	16.542	16.542	2.111	30.615	0.000	0.723
4.150	16.716	16.716	2.132	30.620	0.000	0.729
4.200	16.889	16.889	2.153	30.625	0.000	0.735
4.250	17.064	17.064	2.174	30.630	0.000	0.740
4.300	17.238	17.238	2.195	30.635	0.000	0.746
4.350	17.414	17.414	2.217	30.639	0.000	0.751
4.400	17.589	17.589	2.238	30.644	0.000	0.757
4.410	17.625	17.625	2.243	30.645	0.000	0.758
4.420	17.660	17.660	2.247	30.646	0.000	0.759
4.430	17.695	17.695	2.251	30.647	0.000	0.760
4.440	17.730	17.730	2.256	30.648	0.000	0.761
4.450	17.765	17.765	2.260	30.649	0.000	0.762
4.460	17.801	17.801	2.264	30.649	0.000	0.763
4.470	17.836	17.836	2.269	30.650	0.000	0.765
4.480	17.871	17.871	2.273	30.651	0.000	0.766
4.490	17.907	17.907	2.277	30.652	0.000	0.767
4.500	17.942	17.942	2.282	30.653	0.000	0.000



TANK VOLUME TABLE

FCS 3307

02. Water ballast 24-28

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Trim = 0.000 m

Specific weight = 1.025 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
-0.458	0.000	0.000	-0.458	27.667	0.000	0.000
-0.450	0.000	0.000	-0.450	27.667	0.000	0.000
-0.440	0.000	0.000	-0.447	27.667	0.000	0.000
-0.400	0.002	0.002	-0.422	27.667	0.000	0.000
-0.350	0.008	0.008	-0.385	27.485	0.000	0.000
-0.300	0.022	0.022	-0.343	27.266	0.000	0.001
-0.250	0.049	0.050	-0.304	26.983	0.000	0.004
-0.200	0.093	0.095	-0.266	26.709	0.000	0.009
-0.150	0.157	0.161	-0.227	26.503	0.000	0.019
-0.100	0.241	0.247	-0.191	26.364	0.000	0.036
-0.050	0.343	0.351	-0.156	26.268	0.000	0.061
-0.000	0.463	0.474	-0.122	26.198	0.000	0.096
0.050	0.601	0.616	-0.088	26.145	0.000	0.141
0.100	0.756	0.775	-0.055	26.104	0.000	0.200
0.150	0.929	0.953	-0.021	26.070	0.000	0.272
0.200	1.120	1.148	0.012	26.043	0.000	0.359
0.250	1.328	1.361	0.046	26.021	0.000	0.463
0.300	1.553	1.592	0.079	26.002	0.000	0.585
0.350	1.795	1.840	0.112	25.985	0.000	0.725
0.400	2.054	2.106	0.145	25.971	0.000	0.886
0.450	2.331	2.389	0.179	25.959	0.000	1.068
0.500	2.624	2.689	0.212	25.948	0.000	1.271
0.550	2.933	3.006	0.245	25.938	0.000	1.498
0.600	3.259	3.341	0.278	25.930	0.000	1.750
0.650	3.602	3.692	0.311	25.922	0.000	2.026
0.700	3.961	4.060	0.344	25.915	0.000	2.325
0.750	4.337	4.445	0.377	25.909	0.000	2.651
0.800	4.728	4.847	0.410	25.903	0.000	3.006
0.830	4.971	5.095	0.430	25.900	0.000	3.231
0.840	5.053	5.180	0.436	25.899	0.000	3.307
0.850	5.136	5.264	0.443	25.898	0.000	0.000



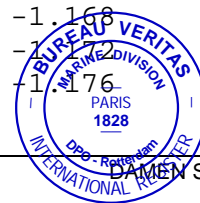
TANK VOLUME TABLE

FCS 3307

03. Fuel oil 24-28
Trim = 0.000 m

01 Mar 2012 13:22:59
Specific weight = 0.840 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
0.850	0.000	0.000	0.850	25.981	-0.859	0.000
0.860	0.016	0.014	0.855	25.981	-0.859	0.054
0.870	0.033	0.028	0.860	25.979	-0.862	0.056
0.880	0.050	0.042	0.865	25.978	-0.864	0.055
0.890	0.067	0.056	0.870	25.976	-0.866	0.057
0.900	0.084	0.071	0.875	25.974	-0.869	0.059
0.950	0.176	0.148	0.901	25.966	-0.880	0.071
1.000	0.276	0.232	0.928	25.958	-0.892	0.085
1.050	0.384	0.323	0.955	25.952	-0.904	0.100
1.100	0.499	0.419	0.983	25.946	-0.915	0.117
1.150	0.622	0.523	1.011	25.940	-0.927	0.136
1.200	0.752	0.632	1.040	25.935	-0.939	0.156
1.250	0.890	0.748	1.068	25.931	-0.951	0.178
1.300	1.035	0.870	1.097	25.926	-0.963	0.202
1.350	1.187	0.997	1.127	25.923	-0.974	0.227
1.400	1.347	1.131	1.156	25.919	-0.986	0.255
1.450	1.513	1.271	1.186	25.916	-0.998	0.284
1.500	1.687	1.417	1.215	25.913	-1.010	0.316
1.550	1.868	1.569	1.245	25.910	-1.021	0.350
1.600	2.056	1.727	1.275	25.907	-1.033	0.385
1.650	2.250	1.890	1.306	25.905	-1.044	0.413
1.700	2.449	2.057	1.336	25.903	-1.055	0.429
1.750	2.653	2.228	1.366	25.903	-1.065	0.442
1.800	2.859	2.402	1.395	25.903	-1.074	0.454
1.850	3.068	2.577	1.424	25.904	-1.083	0.465
1.900	3.279	2.754	1.453	25.904	-1.091	0.477
1.950	3.491	2.933	1.482	25.904	-1.098	0.489
2.000	3.706	3.113	1.511	25.904	-1.104	0.501
2.050	3.923	3.295	1.539	25.904	-1.111	0.513
2.100	4.142	3.479	1.567	25.905	-1.117	0.525
2.150	4.363	3.665	1.596	25.905	-1.122	0.538
2.200	4.586	3.852	1.624	25.905	-1.128	0.550
2.250	4.811	4.041	1.652	25.905	-1.133	0.562
2.300	5.037	4.231	1.680	25.906	-1.138	0.575
2.350	5.266	4.424	1.708	25.906	-1.143	0.587
2.400	5.497	4.617	1.736	25.906	-1.147	0.599
2.450	5.729	4.813	1.764	25.906	-1.152	0.612
2.500	5.964	5.009	1.792	25.906	-1.156	0.624
2.550	6.200	5.208	1.820	25.907	-1.160	0.637
2.600	6.438	5.408	1.848	25.907	-1.164	0.649
2.650	6.677	5.609	1.876	25.907	-1.168	0.661
2.700	6.918	5.812	1.904	25.907	-1.172	0.673
2.750	7.161	6.016	1.931	25.908	-1.176	0.685



TANK VOLUME TABLE
FCS 3307

03. Fuel oil 24-28
Trim = 0.000 m

01 Mar 2012 13:22:59
Specific weight = 0.840 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
2.800	7.406	6.221	1.959	25.908	-1.180	0.697
2.850	7.652	6.428	1.987	25.908	-1.183	0.708
2.900	7.900	6.636	2.015	25.908	-1.187	0.719
2.950	8.149	6.845	2.043	25.908	-1.190	0.731
3.000	8.400	7.056	2.071	25.909	-1.194	0.742
3.050	8.652	7.268	2.098	25.909	-1.197	0.752
3.100	8.906	7.481	2.126	25.909	-1.200	0.763
3.150	9.161	7.695	2.154	25.909	-1.203	0.774
3.200	9.417	7.910	2.182	25.909	-1.207	0.784
3.250	9.675	8.127	2.210	25.910	-1.210	0.794
3.260	9.726	8.170	2.215	25.910	-1.210	0.796
3.270	9.778	8.214	2.221	25.910	-1.211	0.798
3.280	9.830	8.257	2.226	25.910	-1.211	0.801
3.290	9.882	8.301	2.232	25.910	-1.212	0.802
3.300	9.933	8.344	2.237	25.910	-1.213	0.000



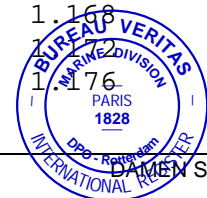
TANK VOLUME TABLE

FCS 3307

04. Fuel oil 24-28
Trim = 0.000 m

01 Mar 2012 13:22:59
Specific weight = 0.840 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
0.850	0.000	0.000	0.850	25.981	0.859	0.000
0.860	0.016	0.014	0.855	25.981	0.859	0.054
0.870	0.033	0.028	0.860	25.979	0.862	0.056
0.880	0.050	0.042	0.865	25.978	0.864	0.055
0.890	0.067	0.056	0.870	25.976	0.866	0.057
0.900	0.084	0.071	0.875	25.974	0.869	0.059
0.950	0.176	0.148	0.901	25.966	0.880	0.071
1.000	0.276	0.232	0.928	25.958	0.892	0.085
1.050	0.384	0.323	0.955	25.952	0.904	0.100
1.100	0.499	0.419	0.983	25.946	0.915	0.117
1.150	0.622	0.523	1.011	25.940	0.927	0.136
1.200	0.752	0.632	1.040	25.935	0.939	0.156
1.250	0.890	0.748	1.068	25.931	0.951	0.178
1.300	1.035	0.870	1.097	25.926	0.963	0.202
1.350	1.187	0.997	1.127	25.923	0.974	0.227
1.400	1.347	1.131	1.156	25.919	0.986	0.255
1.450	1.513	1.271	1.186	25.916	0.998	0.284
1.500	1.687	1.417	1.215	25.913	1.010	0.316
1.550	1.868	1.569	1.245	25.910	1.021	0.350
1.600	2.056	1.727	1.275	25.907	1.033	0.385
1.650	2.250	1.890	1.306	25.905	1.044	0.413
1.700	2.449	2.057	1.336	25.903	1.055	0.429
1.750	2.653	2.228	1.366	25.903	1.065	0.442
1.800	2.859	2.402	1.395	25.903	1.074	0.454
1.850	3.068	2.577	1.424	25.904	1.083	0.465
1.900	3.279	2.754	1.453	25.904	1.091	0.477
1.950	3.491	2.933	1.482	25.904	1.098	0.489
2.000	3.706	3.113	1.511	25.904	1.104	0.501
2.050	3.923	3.295	1.539	25.904	1.111	0.513
2.100	4.142	3.479	1.567	25.905	1.117	0.525
2.150	4.363	3.665	1.596	25.905	1.122	0.538
2.200	4.586	3.852	1.624	25.905	1.128	0.550
2.250	4.811	4.041	1.652	25.905	1.133	0.562
2.300	5.037	4.231	1.680	25.906	1.138	0.575
2.350	5.266	4.424	1.708	25.906	1.143	0.587
2.400	5.497	4.617	1.736	25.906	1.147	0.599
2.450	5.729	4.813	1.764	25.906	1.152	0.612
2.500	5.964	5.009	1.792	25.906	1.156	0.624
2.550	6.200	5.208	1.820	25.907	1.160	0.637
2.600	6.438	5.408	1.848	25.907	1.164	0.649
2.650	6.677	5.609	1.876	25.907	1.168	0.661
2.700	6.918	5.812	1.904	25.907	1.172	0.673
2.750	7.161	6.016	1.931	25.908	1.176	0.685



TANK VOLUME TABLE
FCS 3307

04. Fuel oil 24-28
Trim = 0.000 m

01 Mar 2012 13:23:00
Specific weight = 0.840 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
2.800	7.406	6.221	1.959	25.908	1.180	0.697
2.850	7.652	6.428	1.987	25.908	1.183	0.708
2.900	7.900	6.636	2.015	25.908	1.187	0.719
2.950	8.149	6.845	2.043	25.908	1.190	0.731
3.000	8.400	7.056	2.071	25.909	1.194	0.742
3.050	8.652	7.268	2.098	25.909	1.197	0.752
3.100	8.906	7.481	2.126	25.909	1.200	0.763
3.150	9.161	7.695	2.154	25.909	1.203	0.774
3.200	9.417	7.910	2.182	25.909	1.207	0.784
3.250	9.675	8.127	2.210	25.910	1.210	0.794
3.260	9.726	8.170	2.215	25.910	1.210	0.796
3.270	9.778	8.214	2.221	25.910	1.211	0.798
3.280	9.830	8.257	2.226	25.910	1.211	0.801
3.290	9.882	8.301	2.232	25.910	1.212	0.802
3.300	9.933	8.344	2.237	25.910	1.213	0.000



TANK VOLUME TABLE

FCS 3307

06. Potable water 20-24
Trim = 0.000 m

26 Sep 2014 09:17:14
Specific weight = 1.000 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
-0.236	0.000	0.000	-0.236	23.667	0.000	0.000
-0.200	0.001	0.001	-0.213	23.667	0.000	0.000
-0.150	0.010	0.010	-0.174	23.428	0.000	0.001
-0.100	0.037	0.037	-0.135	23.094	0.000	0.006
-0.050	0.092	0.092	-0.098	22.765	0.000	0.022
0.000	0.180	0.180	-0.061	22.516	0.000	0.055
0.050	0.302	0.302	-0.026	22.364	0.000	0.118
0.100	0.456	0.456	0.008	22.263	0.000	0.215
0.150	0.643	0.643	0.043	22.195	0.000	0.357
0.200	0.859	0.859	0.076	22.145	0.000	0.546
0.250	1.107	1.107	0.110	22.107	0.000	0.793
0.300	1.385	1.385	0.143	22.078	0.000	1.098
0.350	1.694	1.694	0.176	22.055	0.000	1.472
0.400	2.028	2.028	0.209	22.038	0.000	1.775
0.450	2.377	2.377	0.241	22.030	0.000	1.888
0.500	2.730	2.730	0.271	22.025	0.000	1.905
0.550	3.083	3.083	0.300	22.023	0.000	1.905
0.600	3.435	3.435	0.328	22.020	0.000	1.905
0.650	3.788	3.788	0.356	22.018	0.000	1.905
0.700	4.141	4.141	0.383	22.017	0.000	1.905
0.750	4.494	4.494	0.410	22.015	0.000	1.905
0.800	4.847	4.847	0.437	22.014	0.000	1.905
0.850	5.199	5.199	0.463	22.013	0.000	0.000



TANK VOLUME TABLE

FCS 3307

07. Sewage 17-19
Trim = 0.000 m

01 Mar 2012 13:23:00
Specific weight = 1.000 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
-0.047	0.000	0.000	-0.047	18.667	0.000	0.000
-0.040	0.000	0.000	-0.040	18.667	0.000	0.000
-0.030	0.000	0.000	-0.036	18.667	0.000	0.000
-0.000	0.004	0.004	-0.014	18.499	0.000	0.001
0.050	0.025	0.025	0.024	18.238	0.000	0.008
0.100	0.071	0.071	0.059	18.125	0.000	0.035
0.150	0.142	0.142	0.093	18.080	0.000	0.099
0.200	0.236	0.236	0.126	18.056	0.000	0.208
0.250	0.354	0.354	0.159	18.041	0.000	0.374
0.300	0.494	0.494	0.192	18.031	0.000	0.604
0.350	0.657	0.657	0.225	18.024	0.000	0.908
0.400	0.833	0.833	0.257	18.019	0.000	0.953
0.450	1.009	1.009	0.286	18.015	0.000	0.953
0.500	1.186	1.186	0.314	18.013	0.000	0.953
0.550	1.362	1.362	0.342	18.011	0.000	0.953
0.600	1.539	1.539	0.368	18.010	0.000	0.953
0.650	1.715	1.715	0.395	18.009	0.000	0.953
0.700	1.891	1.891	0.421	18.008	0.000	0.953
0.750	2.068	2.068	0.447	18.008	0.000	0.953
0.800	2.244	2.244	0.473	18.007	0.000	0.953
0.840	2.385	2.385	0.493	18.007	0.000	0.953
0.850	2.421	2.421	0.498	18.006	0.000	0.000



TANK VOLUME TABLE

FCS 3307

08. Fuel oil SB 12-16
Trim = 0.000 m

01 Mar 2012 13:23:01
Specific weight = 0.840 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
0.362	0.000	0.000	0.362	15.667	0.908	0.000
0.370	0.000	0.000	0.370	15.650	0.917	0.000
0.380	0.000	0.000	0.373	15.653	0.914	0.000
0.390	0.001	0.001	0.383	14.979	0.918	0.000
0.400	0.002	0.002	0.391	14.583	0.923	0.000
0.410	0.005	0.004	0.399	14.392	0.930	0.000
0.420	0.008	0.007	0.406	14.281	0.938	0.001
0.450	0.026	0.022	0.427	14.135	0.964	0.002
0.500	0.076	0.064	0.460	14.055	1.009	0.009
0.550	0.153	0.128	0.493	14.023	1.054	0.026
0.600	0.255	0.214	0.526	14.006	1.097	0.055
0.650	0.382	0.321	0.559	13.997	1.140	0.098
0.700	0.534	0.449	0.592	13.990	1.182	0.159
0.750	0.709	0.596	0.625	13.986	1.223	0.238
0.800	0.907	0.762	0.658	13.983	1.263	0.336
0.850	1.128	0.948	0.691	13.981	1.302	0.456
0.900	1.371	1.152	0.724	13.979	1.341	0.598
0.950	1.636	1.374	0.756	13.978	1.379	0.764
1.000	1.922	1.614	0.789	13.977	1.416	0.956
1.050	2.229	1.872	0.821	13.976	1.453	1.174
1.100	2.557	2.148	0.854	13.974	1.490	1.421
1.150	2.905	2.440	0.887	13.973	1.526	1.697
1.200	3.274	2.750	0.919	13.972	1.562	2.006
1.250	3.664	3.078	0.952	13.972	1.597	2.333
1.300	4.068	3.417	0.984	13.972	1.630	2.476
1.350	4.477	3.761	1.015	13.973	1.659	2.515
1.400	4.888	4.106	1.045	13.974	1.683	2.548
1.450	5.301	4.453	1.075	13.975	1.704	2.581
1.500	5.715	4.801	1.104	13.976	1.723	2.614
1.550	6.131	5.150	1.132	13.977	1.739	2.647
1.600	6.549	5.501	1.161	13.977	1.753	2.680
1.650	6.969	5.854	1.189	13.978	1.766	2.713
1.700	7.390	6.208	1.216	13.978	1.778	2.745
1.750	7.813	6.563	1.244	13.979	1.789	2.779
1.800	8.238	6.920	1.271	13.979	1.799	0.200
1.850	8.414	7.068	1.283	13.980	1.790	0.200
1.900	8.591	7.216	1.295	13.980	1.781	0.200
1.950	8.767	7.364	1.308	13.980	1.772	0.200
2.000	8.943	7.513	1.321	13.981	1.764	0.200
2.050	9.120	7.661	1.334	13.981	1.756	0.200
2.100	9.296	7.809	1.349	13.981	1.748	0.199
2.150	9.473	7.957	1.363	13.982	1.741	0.200
2.200	9.649	8.105	1.378	13.982	1.734	0.200



TANK VOLUME TABLE

FCS 3307

08. Fuel oil SB 12-16
Trim = 0.000 m

01 Mar 2012 13:23:01
Specific weight = 0.840 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
2.250	9.825	8.253	1.393	13.982	1.727	0.200
2.300	10.002	8.402	1.409	13.983	1.720	0.200
2.350	10.178	8.550	1.424	13.983	1.714	0.201
2.400	10.355	8.698	1.441	13.983	1.707	0.200
2.450	10.531	8.846	1.457	13.984	1.701	0.200
2.500	10.707	8.994	1.474	13.984	1.696	0.200
2.550	10.884	9.142	1.491	13.984	1.690	0.200
2.600	11.060	9.291	1.508	13.984	1.685	0.201
2.650	11.237	9.439	1.526	13.985	1.679	0.200
2.700	11.413	9.587	1.544	13.985	1.674	0.200
2.750	11.589	9.735	1.562	13.985	1.669	0.199
2.800	11.766	9.883	1.580	13.985	1.665	0.199
2.850	11.942	10.032	1.598	13.986	1.660	0.200
2.900	12.119	10.180	1.617	13.986	1.655	0.200
2.950	12.295	10.328	1.635	13.986	1.651	0.200
3.000	12.471	10.476	1.654	13.986	1.647	0.200
3.050	12.648	10.624	1.674	13.986	1.643	0.200
3.100	12.824	10.772	1.693	13.987	1.639	0.200
3.150	13.001	10.921	1.712	13.987	1.635	0.200
3.200	13.177	11.069	1.732	13.987	1.631	0.199
3.250	13.353	11.217	1.752	13.987	1.627	0.200
3.260	13.389	11.247	1.756	13.987	1.626	0.200
3.270	13.424	11.276	1.759	13.987	1.626	0.199
3.280	13.459	11.306	1.763	13.987	1.625	0.200
3.290	13.495	11.335	1.767	13.987	1.624	0.200
3.300	13.530	11.365	1.771	13.987	1.624	0.000



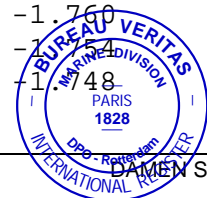
TANK VOLUME TABLE

FCS 3307

09. Fuel oil PS 12-16
Trim = 0.000 m

01 Mar 2012 13:23:01
Specific weight = 0.840 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
0.362	0.000	0.000	0.362	15.667	-0.908	0.000
0.370	0.000	0.000	0.370	15.650	-0.917	0.000
0.380	0.000	0.000	0.373	15.653	-0.914	0.000
0.390	0.001	0.001	0.383	14.979	-0.918	0.000
0.400	0.002	0.002	0.391	14.583	-0.923	0.000
0.410	0.005	0.004	0.399	14.392	-0.930	0.000
0.420	0.008	0.007	0.406	14.281	-0.938	0.001
0.450	0.026	0.022	0.427	14.135	-0.964	0.002
0.500	0.076	0.064	0.460	14.055	-1.009	0.009
0.550	0.153	0.128	0.493	14.023	-1.054	0.026
0.600	0.255	0.214	0.526	14.006	-1.097	0.055
0.650	0.382	0.321	0.559	13.997	-1.140	0.098
0.700	0.534	0.449	0.592	13.990	-1.182	0.159
0.750	0.709	0.596	0.625	13.986	-1.223	0.238
0.800	0.907	0.762	0.658	13.983	-1.263	0.336
0.850	1.128	0.948	0.691	13.981	-1.302	0.456
0.900	1.371	1.152	0.724	13.979	-1.341	0.598
0.950	1.636	1.374	0.756	13.978	-1.379	0.764
1.000	1.922	1.614	0.789	13.977	-1.416	0.956
1.050	2.229	1.872	0.821	13.976	-1.453	1.174
1.100	2.557	2.148	0.854	13.974	-1.490	1.421
1.150	2.905	2.440	0.887	13.973	-1.526	1.697
1.200	3.274	2.750	0.919	13.972	-1.562	2.006
1.250	3.664	3.078	0.952	13.972	-1.597	2.333
1.300	4.068	3.417	0.984	13.972	-1.630	2.476
1.350	4.477	3.761	1.015	13.973	-1.659	2.515
1.400	4.888	4.106	1.045	13.974	-1.683	2.548
1.450	5.301	4.453	1.075	13.975	-1.704	2.581
1.500	5.715	4.801	1.104	13.976	-1.723	2.614
1.550	6.131	5.150	1.132	13.977	-1.739	2.647
1.600	6.549	5.501	1.161	13.977	-1.753	2.680
1.650	6.969	5.854	1.189	13.978	-1.766	2.713
1.700	7.390	6.208	1.216	13.978	-1.778	2.745
1.750	7.813	6.563	1.244	13.979	-1.789	2.779
1.800	8.238	6.920	1.271	13.979	-1.799	0.213
1.850	8.370	7.031	1.280	13.987	-1.792	0.151
1.900	8.502	7.142	1.289	13.995	-1.785	0.150
1.950	8.635	7.253	1.299	14.003	-1.779	0.150
2.000	8.767	7.364	1.309	14.011	-1.772	0.150
2.050	8.899	7.475	1.320	14.018	-1.766	0.150
2.100	9.032	7.587	1.331	14.025	-1.760	0.150
2.150	9.164	7.698	1.342	14.032	-1.754	0.150
2.200	9.296	7.809	1.354	14.038	-1.748	0.150



TANK VOLUME TABLE

FCS 3307

09. Fuel oil PS 12-16
Trim = 0.000 m

01 Mar 2012 13:23:02
Specific weight = 0.840 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
2.250	9.429	7.920	1.366	14.045	-1.743	0.150
2.300	9.561	8.031	1.379	14.051	-1.737	0.150
2.350	9.693	8.142	1.392	14.057	-1.732	0.150
2.400	9.825	8.253	1.405	14.063	-1.727	0.150
2.450	9.958	8.365	1.419	14.069	-1.722	0.150
2.500	10.090	8.476	1.433	14.075	-1.717	0.151
2.550	10.222	8.587	1.447	14.080	-1.712	0.150
2.600	10.355	8.698	1.461	14.086	-1.707	0.150
2.650	10.487	8.809	1.476	14.091	-1.703	0.150
2.700	10.619	8.920	1.491	14.096	-1.699	0.150
2.750	10.752	9.031	1.506	14.101	-1.694	0.150
2.800	10.884	9.142	1.521	14.106	-1.690	0.150
2.850	11.016	9.254	1.537	14.110	-1.686	0.150
2.900	11.148	9.365	1.553	14.115	-1.682	0.150
2.950	11.281	9.476	1.569	14.120	-1.678	0.150
3.000	11.413	9.587	1.585	14.124	-1.674	0.150
3.050	11.545	9.698	1.602	14.128	-1.671	0.150
3.100	11.678	9.809	1.618	14.133	-1.667	0.149
3.150	11.810	9.920	1.635	14.137	-1.663	0.150
3.200	11.942	10.032	1.652	14.141	-1.660	0.149
3.250	12.075	10.143	1.670	14.145	-1.657	0.150
3.260	12.101	10.165	1.673	14.145	-1.656	0.150
3.270	12.128	10.187	1.677	14.146	-1.655	0.150
3.280	12.154	10.209	1.680	14.147	-1.655	0.151
3.290	12.180	10.232	1.684	14.148	-1.654	0.150
3.300	12.207	10.254	1.687	14.148	-1.653	0.000



TANK VOLUME TABLE

FCS 3307

10. FO DAY PS 12-13
Trim = 0.000 m

01 Mar 2012 13:23:02
Specific weight = 0.840 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
1.800	0.000	0.000	1.800	12.500	-1.350	0.000
1.810	0.009	0.007	1.805	12.500	-1.350	0.050
1.820	0.018	0.015	1.810	12.500	-1.350	0.050
1.850	0.044	0.037	1.825	12.500	-1.350	0.050
1.900	0.088	0.074	1.850	12.500	-1.350	0.050
1.950	0.132	0.111	1.875	12.500	-1.350	0.050
2.000	0.176	0.148	1.900	12.500	-1.350	0.050
2.050	0.221	0.185	1.925	12.500	-1.350	0.050
2.100	0.265	0.222	1.950	12.500	-1.350	0.050
2.150	0.309	0.259	1.975	12.500	-1.350	0.050
2.200	0.353	0.296	2.000	12.500	-1.350	0.050
2.250	0.397	0.333	2.025	12.500	-1.350	0.050
2.300	0.441	0.370	2.050	12.500	-1.350	0.050
2.350	0.485	0.407	2.075	12.500	-1.350	0.050
2.400	0.529	0.445	2.100	12.500	-1.350	0.050
2.450	0.573	0.482	2.125	12.500	-1.350	0.050
2.500	0.617	0.519	2.150	12.500	-1.350	0.050
2.550	0.661	0.556	2.175	12.500	-1.350	0.050
2.600	0.706	0.593	2.200	12.500	-1.350	0.050
2.650	0.750	0.630	2.225	12.500	-1.350	0.050
2.700	0.794	0.667	2.250	12.500	-1.350	0.050
2.750	0.838	0.704	2.275	12.500	-1.350	0.050
2.800	0.882	0.741	2.300	12.500	-1.350	0.050
2.850	0.926	0.778	2.325	12.500	-1.350	0.050
2.900	0.970	0.815	2.350	12.500	-1.350	0.050
2.950	1.014	0.852	2.375	12.500	-1.350	0.050
3.000	1.058	0.889	2.400	12.500	-1.350	0.050
3.050	1.102	0.926	2.425	12.500	-1.350	0.050
3.100	1.147	0.963	2.450	12.500	-1.350	0.050
3.150	1.191	1.000	2.475	12.500	-1.350	0.050
3.200	1.235	1.037	2.500	12.500	-1.350	0.050
3.250	1.279	1.074	2.525	12.500	-1.350	0.050
3.270	1.297	1.089	2.535	12.500	-1.350	0.050
3.280	1.305	1.097	2.540	12.500	-1.350	0.050
3.290	1.314	1.104	2.545	12.500	-1.350	0.050
3.300	1.323	1.111	2.550	12.500	-1.350	0.000



TANK VOLUME TABLE
FCS 3307

11. Dirty oil 10-11
Trim = 0.000 m

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Specific weight = 0.900 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
0.150	0.000	0.000	0.150	10.667	-0.012	0.000
0.160	0.000	0.000	0.160	10.667	-0.027	0.000
0.200	0.002	0.002	0.184	10.651	-0.057	0.000
0.250	0.012	0.011	0.220	10.573	-0.106	0.002
0.300	0.031	0.028	0.255	10.545	-0.162	0.008
0.350	0.058	0.052	0.288	10.532	-0.218	0.020
0.400	0.093	0.084	0.322	10.524	-0.275	0.040
0.450	0.137	0.123	0.355	10.519	-0.330	0.068
0.500	0.189	0.170	0.388	10.516	-0.385	0.107
0.550	0.248	0.223	0.421	10.513	-0.438	0.157
0.600	0.313	0.282	0.453	10.511	-0.485	0.181
0.650	0.379	0.342	0.483	10.509	-0.518	0.181
0.700	0.446	0.401	0.511	10.508	-0.542	0.181
0.750	0.512	0.461	0.539	10.507	-0.559	0.181
0.800	0.578	0.520	0.566	10.506	-0.572	0.181
0.840	0.631	0.568	0.587	10.505	-0.581	0.181
0.850	0.644	0.580	0.593	10.505	-0.583	0.000



TANK VOLUME TABLE
FCS 3307

12. Bilgewater 10-11
Trim = 0.000 m

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Specific weight = 1.000 ton/m³

Height m	Volume m ³	Weight ton	VCG m	LCG m	TCG m	FSM-T Tonm
0.150	0.000	0.000	0.150	10.667	0.012	0.000
0.160	0.000	0.000	0.160	10.667	0.027	0.000
0.200	0.002	0.002	0.184	10.651	0.057	0.000
0.250	0.012	0.012	0.220	10.573	0.106	0.003
0.300	0.031	0.031	0.255	10.545	0.162	0.009
0.350	0.058	0.058	0.288	10.532	0.218	0.023
0.400	0.093	0.093	0.322	10.524	0.275	0.044
0.450	0.137	0.137	0.355	10.519	0.330	0.076
0.500	0.189	0.189	0.388	10.516	0.385	0.119
0.550	0.248	0.248	0.421	10.513	0.438	0.174
0.600	0.313	0.313	0.453	10.511	0.485	0.201
0.650	0.379	0.379	0.483	10.509	0.518	0.201
0.700	0.446	0.446	0.511	10.508	0.542	0.201
0.750	0.512	0.512	0.539	10.507	0.559	0.201
0.800	0.578	0.578	0.566	10.506	0.572	0.201
0.840	0.631	0.631	0.587	10.505	0.581	0.201
0.850	0.644	0.644	0.593	10.505	0.583	0.000

