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GHS 6.44

SCANDIES ROSE

CONDITION 1 DEPARTURE, MAXIMUM CONSUMABLES, 208 POTS

RIGHTING ARMS vs HEEL ANGLE

Fixed CG: LCG = 1.73a TCG = 0.00 VCG = 15.89

Origin Depth	Degrees of Trim	Heel	Displacement Weight (LT)	Righting Arms		Area
				in Trim	in Heel	
13.110	0.34f	1.31p	1,050.49	0.00	0.000p	0.00
13.083	0.34f	3.69s	1,050.57	0.00	0.294s	0.74
13.007	0.34f	8.69s	1,050.60	0.00	0.501s	2.76
12.949	0.40f	13.69s	1,050.51	0.00	0.578s	5.51
12.861	0.54f	18.69s	1,050.56	0.00	0.617s	8.51
12.700	0.72f	23.69s	1,050.55	0.00	0.665s	11.72
12.439	0.92f	28.69s	1,050.56	0.00	0.749s	15.23
12.070	1.08f	33.69s	1,050.57	0.00	0.877s	19.28
11.648	1.18f	38.69s	1,050.65	0.00	0.962s	23.89
11.488	1.20f	40.41s	1,050.52	0.00	0.970s	25.56
11.162	1.25f	43.69s	1,050.65	0.00	0.943s	28.71
10.599	1.29f	48.69s	1,050.56	0.00	0.818s	33.15
9.971	1.33f	53.69s	1,050.64	0.00	0.628s	36.80
9.265	1.33f	58.69s	1,050.55	0.01a	0.389s	39.36

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Center of Gravity shown above is for the Fixed Weight of 644.43 LT. As the tank load centers shift with heel and trim, the total Center of Gravity varies. The righting arms shown above include the effect of the C.G. variation.

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GHS 6.44

SCANDIES ROSE

CONDITION 2 75% CONSUMABLES

WEIGHT and DISPLACEMENT STATUS

Baseline draft: 12.647 @ Origin, Trim: Fwd 0.04 deg., Heel: Port 1.43 deg.

Part	Weight (LT)	LCG	TCG	VCG	RefHt	
LIGHT SHIP	548.32	3.30a	0.00	14.69	-6.36	
Crew & Effects	1.00	5.00a	0.00	18.00	-7.04	
Stores	1.50	15.00a	0.00	16.00	-9.49	
1st tier 88 pots	32.80	8.50f	0.00	18.75	-10.19	
2nd tier 40 pots	14.91	8.50f	0.00	23.67	-11.25	
3rd tier 40 pots	14.91	8.50f	0.00	26.50	-11.96	
4th tier 40 pots	14.91	8.50f	0.00	29.33	-14.11	
Ice on Hull	16.08	3.89f	0.00	21.37	-14.16	
Total Fixed	644.43	1.73a	0.00	15.89	-11.67	
Load-----SpGr						
MIDWING.P	0.570	0.870	11.37	11.22f	13.53p	4.40
MIDWING.S	0.570	0.870	11.37	11.23f	13.51s	4.40
AFTWING.P	0.980	0.870	19.87	7.00a	13.80p	5.78
AFTWING.S	0.980	0.870	19.87	7.00a	13.78s	5.78
WATER.P	0.750	1.000	18.65	29.10a	13.94p	7.17
WATER.S	0.750	1.000	18.65	29.10a	13.92s	7.17
LUBEOIL.P	0.980	0.924	4.76	43.86a	7.24p	9.57
DAYTANK.P	0.980	0.870	11.70	56.14a	10.25p	11.29
SEWAGE.S	0.500	1.025	7.03	55.87a	9.93s	9.69
HOLD2.C	1.000	1.025	125.63	12.11f	0.00	8.99
HOLD3.C	1.000	1.025	110.41	7.15a	0.00	8.79
Total Tanks	359.33	4.55a	0.24p	8.19		
Total Weight	1,003.76	2.74a	0.09p	13.13		
Displ(LT)-----LCB-----TCB-----VCB						
HULL	1.025	1,003.76	2.74a	0.23p	7.49	-12.64
Righting Arms:						
			0.00	0.00p		
Distances in FEET.						

HYDROSTATIC PROPERTIES

Trim: Fwd 0.04 deg., Heel: Port 1.43 deg., VCG = 13.13

LCF	Displacement	Buoyancy-Ctr.	Weight/	Moment/
Draft	Weight (LT)	LCB	VCB	Inch
12.644	1,003.76	2.74a	7.49	8.74
				4.38a
				1803.88
				103.0
				3.10
Distances in FEET.-----Specific Gravity = 1.025.-----Moment in Ft-LT.				
Draft is from Baseline. True Free Surface included.				

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 CONDITION 2 75% CONSUMABLES

SCANDIES ROSE

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RIGHTING ARMS vs HEEL ANGLE

Fixed CG: LCG = 1.73a TCG = 0.00 VCG = 15.89

Origin Depth	Degrees of Trim	Heel	Displacement Weight (LT)	Righting Arms in Trim	in Heel	Area
12.643	0.04f	1.43p	1,003.76	0.00	0.000p	0.00
12.619	0.04f	3.57s	1,003.76	0.00	0.283s	0.71
12.507	0.04f	8.57s	1,003.76	0.01f	0.535s	2.77
12.399	0.05f	13.57s	1,003.77	0.00	0.657s	5.80
12.275	0.15f	18.57s	1,003.67	0.00	0.714s	9.25
12.103	0.31f	23.57s	1,003.75	0.00	0.755s	12.93
11.849	0.53f	28.57s	1,003.76	0.00	0.817s	16.85
11.496	0.74f	33.57s	1,003.77	0.00	0.925s	21.19
11.060	0.88f	38.57s	1,003.77	0.00	1.009s	26.03
10.988	0.89f	39.32s	1,003.78	0.00	1.011s	26.79
10.539	0.96f	43.57s	1,003.77	0.00	0.969s	31.03
9.943	1.01f	48.57s	1,003.92	0.00	0.821s	35.56
9.276	1.04f	53.57s	1,003.87	0.00	0.597s	39.13
8.541	1.04f	58.57s	1,003.75	0.00	0.331s	41.47

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Center of Gravity shown above is for the Fixed Weight of 644.43 LT. As the tank load centers shift with heel and trim, the total Center of Gravity varies. The righting arms shown above include the effect of the C.G. variation.

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 GHS 6.44
 CONDITION 3 50% CONSUMABLES, 208 POTS

SCANDIES ROSE

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WEIGHT and DISPLACEMENT STATUS

Baseline draft: 12.478 @ Origin, Trim: Aft 0.49 deg., Heel: Port 1.22 deg.

Part-----	Weight(LT)	LCG	TCG	VCG	RefHt
LIGHT SHIP	548.32	3.30a	0.00	14.69	
Crew & Effects	1.00	5.00a	0.00	18.00	
Stores	1.50	15.00a	0.00	16.00	
1st tier 88 pots	32.80	8.50f	0.00	18.75	
2nd tier 40 pots	14.91	8.50f	0.00	23.67	
3rd tier 40 pots	14.91	8.50f	0.00	26.50	
4th tier 40 pots	14.91	8.50f	0.00	29.33	
Ice on hull	16.08	3.89f	0.00	21.37	
Total Fixed----->	644.43	1.73a	0.00	15.89	
	Load-----SpGr				
AFTWING.P	0.980 0.870	19.87	7.03a	13.80p	5.78 -9.48
AFTWING.S	0.980 0.870	19.87	7.03a	13.78s	5.78 -10.07
WATER.P	0.500 1.000	12.44	28.90a	13.89p	5.68 -8.16
WATER.S	0.500 1.000	12.44	28.90a	13.87s	5.68 -8.75
AFTFUEL.P	0.500 0.870	9.82	45.70a	11.51p	8.11 -9.67
AFTFUEL.S	0.500 0.870	12.10	45.30a	10.55s	7.94 -10.04
LUBEOIL.P	0.980 0.924	4.76	43.87a	7.24p	9.57 -13.74
DAYTANK.P	0.980 0.870	11.70	56.16a	10.25p	11.29 -13.68
SEWAGE.S	0.500 1.025	7.03	55.89a	9.94s	9.69 -11.12
HOLD2.C	1.000 1.025	125.63	12.11f	0.00	8.99
HOLD3.C	1.000 1.025	110.41	7.15a	0.00	8.79
Total Tanks----->		346.08	7.29a	0.20p	8.36
Total Weight----->		990.51	3.67a	0.07p	13.26
	Displ(LT)	LCB	TCB	VCB	
HULL	1.025	990.49	3.72a	0.20p	7.43 -12.47
	Righting Arms:	0.00	0.00p		
Distances in FEET.----->					

HYDROSTATIC PROPERTIES

Trim: Aft 0.49 deg., Heel: Port 1.22 deg., VCG = 13.26

LCF	Displacement	Buoyancy-Ctr.	Weight/	Moment/
Draft	Weight(LT)	LCB	VCB	Inch
12.517	990.49	3.72a	7.43	8.70
				LCF
				Deg trim
				GML
				GMT
				103.2
				2.96
Distances in FEET.----->	Specific Gravity = 1.025			Moment in Ft-LT.
Draft is from Baseline.				True Free Surface included.

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 CONDITION 3 50% CONSUMABLES, 208 POTS

SCANDIES ROSE

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RIGHTING ARMS vs HEEL ANGLE

Fixed CG: LCG = 1.73a TCG = 0.00 VCG = 15.89

Origin Depth	Degrees of		Displacement Weight (LT)	Righting Arms		Area
	Trim	Heel		in Trim	in Heel	
12.475	0.49a	1.22p	990.49	0.00	0.001p	0.00
12.446	0.49a	3.78s	990.51	0.00	0.273s	0.68
12.328	0.49a	8.78s	990.51	0.01f	0.517s	2.66
12.201	0.49a	13.78s	990.50	0.00	0.648s	5.62
12.057	0.41a	18.78s	990.50	0.00	0.716s	9.06
11.872	0.25a	23.78s	990.49	0.00	0.761s	12.76
11.614	0.04a	28.78s	990.50	0.00	0.822s	16.71
11.272	0.20f	33.78s	990.50	0.00	0.912s	21.03
10.840	0.34f	38.78s	990.50	0.00	0.963s	25.73
10.715	0.35f	40.03s	990.41	0.00	0.957s	26.93
10.314	0.39f	43.78s	990.65	0.00	0.895s	30.43
9.707	0.41f	48.78s	990.64	0.00	0.731s	34.54
9.029	0.41f	53.78s	990.49	0.00	0.492s	37.63
8.286	0.39f	58.78s	990.41	0.00	0.212s	39.40

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Center of Gravity shown above is for the Fixed Weight of 644.43 LT. As the tank load centers shift with heel and trim, the total Center of Gravity varies. The righting arms shown above include the effect of the C.G. variation.

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GHS 6.44 SCANDIES ROSE
 CONDITION 4 25% CONSUMABLES, 208 POTS

WEIGHT and DISPLACEMENT STATUS

Baseline draft: 12.204 @ Origin, Trim: Fwd 0.19 deg., Heel: Port 1.64 deg.

Part	Weight (LT)	LCG	TCG	VCG	RefHt	
LIGHT SHIP	548.32	3.30a	0.00	14.69	-9.46	
Crew & Effects	1.00	5.00a	0.00	18.00	-10.26	
Stores	1.50	15.00a	0.00	16.00	-5.44	
1st tier 88 pots	32.80	8.50f	0.00	18.75	-6.24	
2nd tier 40 pots	14.91	8.50f	0.00	23.67	-14.27	
3rd tier 40 pots	14.91	8.50f	0.00	26.50	-11.86	
4th tier 40 pots	14.91	8.50f	0.00	29.33		
Ice on hull	16.08	3.89f	0.00	21.37		
Total Fixed	644.43	1.73a	0.00	15.89		
	Load	SpGr				
AFTWING.P	0.980	0.870	19.87	6.99a 13.80p	5.78	
AFTWING.S	0.980	0.870	19.87	6.99a 13.78s	5.78	
WATER.P	0.250	1.000	6.22	28.15a 13.81p	4.12	
WATER.S	0.250	1.000	6.22	28.15a 13.76s	4.12	
LUBEOIL.P	0.980	0.924	4.76	43.86a 7.24p	9.57	
DAYTANK.P	0.980	0.870	11.70	56.14a 10.25p	11.29	
SEWAGE.S	0.500	1.025	7.03	55.86a 9.92s	9.69	
HOLD2.C	1.000	1.025	125.63	12.11f 0.00	8.99	
HOLD3.C	1.000	1.025	110.41	7.15a 0.00	8.79	
Total Tanks			311.71	3.70a 0.27p	8.43	
Total Weight			956.14	2.37a 0.09p	13.46	
			Displ (LT)	LCB	TCB	VCB
HULL	1.025		956.14	2.34a	0.27p	7.25
						-12.20
			Righting Arms:	0.01f	0.00p	
			Distances in FEET			

HYDROSTATIC PROPERTIES

Trim: Fwd 0.19 deg., Heel: Port 1.64 deg., VCG = 13.46

Draft	Displacement	LCB	VCB	Inch	LCF	Deg trim	GML	GMT
12.189	956.14	2.34a	7.25	8.70	4.44a	1787.82	107.1	2.92
Distances in FEET				Specific Gravity = 1.025				
Draft is from Baseline.				True Free Surface included.				

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SCANDIES ROSE

CONDITION 4 25% CONSUMABLES, 208 POTS

RIGHTING ARMS vs HEEL ANGLE

Fixed CG: LCG = 1.73a TCG = 0.00 VCG = 15.89

Origin Depth	Degrees of		Displacement Weight (LT)	Righting Arms		Area
	Trim	Heel		in Trim	in Heel	
12.199	0.19f	1.64p	956.14	0.01f	0.000p	0.00
12.180	0.19f	3.36s	956.14	0.00	0.262s	0.66
12.059	0.18f	8.36s	956.24	0.00	0.528s	2.63
11.912	0.18f	13.36s	956.13	0.00	0.691s	5.72
11.763	0.25f	18.36s	956.15	0.00	0.757s	9.38
11.576	0.40f	23.36s	956.06	0.00	0.787s	13.25
11.321	0.62f	28.36s	956.14	0.00	0.826s	17.28
10.973	0.86f	33.36s	956.15	0.00	0.907s	21.60
10.509	1.04f	38.36s	956.15	0.00	0.977s	26.31
10.477	1.05f	38.66s	956.15	0.00	0.978s	26.61
9.947	1.16f	43.36s	956.15	0.00	0.922s	31.11
9.310	1.24f	48.36s	956.15	0.00	0.759s	35.36
8.608	1.30f	53.36s	956.16	0.00	0.514s	38.58
7.847	1.32f	58.36s	956.27	0.00	0.223s	40.44

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Center of Gravity shown above is for the Fixed Weight of 644.43 LT. As the tank load centers shift with heel and trim, the total Center of Gravity varies. The righting arms shown above include the effect of the C.G. variation.

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GHS 6.44 SCANDIES ROSE
 CONDITION 5 10% CONSUMABLES, 208 POTS

WEIGHT and DISPLACEMENT STATUS

Baseline draft: 11.922 @ Origin, Trim: Fwd 0.32 deg., Heel: Port 1.78 deg.

Part-----	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP	548.32	3.30a	0.00	14.69			
Crew & Effects	1.00	5.00a	0.00	18.00			
Stores	1.50	15.00a	0.00	16.00			
1st tier 88 pots	32.80	8.50f	0.00	18.75			
2nd tier 40 pots	14.91	8.50f	0.00	23.67			
3rd tier 40 pots	14.91	8.50f	0.00	26.50			
4th tier 40 pots	14.91	8.50f	0.00	29.33			
Ice on hull	16.08	3.89f	0.00	21.37			
Total Fixed----->	644.43	1.73a	0.00	15.89			
	Load-----	SpGr			RefHt		
AFTWING.P	0.410	0.870	8.32	6.96a	13.71p	3.40	-4.74
AFTWING.S	0.410	0.870	8.32	6.96a	13.66s	3.40	-5.60
WATER.P	0.100	1.000	2.49	26.30a	13.54p	3.02	-3.61
WATER.S	0.100	1.000	2.49	26.34a	13.45s	3.02	-4.46
LUBEOIL.P	0.980	0.924	4.76	43.86a	7.24p	9.57	-14.29
DAYTANK.P	0.980	0.870	11.70	56.14a	10.25p	11.29	-14.37
SEWAGE.S	0.500	1.025	7.03	55.86a	9.92s	9.69	-12.02
HOLD2.C	1.000	1.025	125.63	12.11f	0.00	8.99	
HOLD3.C	1.000	1.025	110.41	7.15a	0.00	8.79	
Total Tanks----->			281.14	2.75a	0.30p	8.60	
Total Weight----->			925.57	2.04a	0.09p	13.68	
			Displ(LT)	LCB	TCB	VCB	
HULL	1.025		925.67	2.00a	0.30p	7.09	-11.92
Righting Arms:				0.00	0.00p		
Distances in FEET.-----							

HYDROSTATIC PROPERTIES

Trim: Fwd 0.32 deg., Heel: Port 1.78 deg., VCG = 13.68

LCF	Displacement	Buoyancy-Ctr.	Weight/	Moment/				
Draft	Weight(LT)	LCB	VCB	Inch	LCF	Deg trim	GML	GMT
11.897	925.67	2.00a	7.09	8.68	4.46a	1777.52	110.0	2.80
Distances in FEET.-----Specific Gravity = 1.025.-----Moment in Ft-LT.								
Draft is from Baseline.				True Free Surface included.				

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SCANDIES ROSE

CONDITION 5 10% CONSUMABLES, 208 POTS

RIGHTING ARMS vs HEEL ANGLE

Fixed CG: LCG = 1.73a TCG = 0.00 VCG = 15.89

Origin Depth	Degrees of		Displacement	Righting Arms		Area
	Trim	Heel	Weight (LT)	in Trim	in Heel	
11.916	0.32f	1.78p	925.67	0.00	0.000p	0.00
11.900	0.32f	3.22s	925.57	0.00	0.251s	0.63
11.780	0.31f	8.22s	925.41	0.00	0.509s	2.52
11.613	0.31f	13.22s	925.56	0.01f	0.702s	5.58
11.447	0.36f	18.22s	925.63	0.00	0.776s	9.32
11.249	0.51f	23.22s	925.57	0.00	0.799s	13.28
10.989	0.73f	28.22s	925.44	0.00	0.823s	17.34
10.645	0.98f	33.22s	925.65	0.00	0.879s	21.58
10.162	1.19f	38.22s	925.58	0.00	0.928s	26.10
10.022	1.23f	39.47s	925.56	0.00	0.923s	27.25
9.575	1.33f	43.22s	925.70	0.00	0.860s	30.62
8.912	1.43f	48.22s	925.62	0.00	0.684s	34.53
8.187	1.51f	53.22s	925.57	0.00	0.422s	37.33
7.405	1.56f	58.22s	925.70	0.00	0.114s	38.69

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Center of Gravity shown above is for the Fixed Weight of 644.43 LT. As the tank load centers shift with heel and trim, the total Center of Gravity varies. The righting arms shown above include the effect of the C.G. variation.

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GHS 6.44 SCANDIES ROSE
 CONDITION 6 TENDERING, MAXIMUM CONSUMABLES

WEIGHT and DISPLACEMENT STATUS

Baseline draft: 13.832 @ Origin, Trim: Fwd 0.87 deg., Heel: Port 0.54 deg.

Part-----	Weight(LT)-----	LCG-----	TCG-----	VCG-----		
LIGHT SHIP	548.32	3.30a	0.00	14.69		
Crew & Effects	1.00	5.00a	0.00	18.00		
Stores	1.50	15.00a	0.00	16.00		
Tendering Equipment	15.00	10.00f	0.00	19.00		
Total Fixed----->	565.82	2.98a	0.00	14.81		
	Load-----	SpGr				RefHt
FWDWING.P	0.980	0.870	9.01	29.01f	12.93p	6.91
FWDWING.S	0.980	0.870	9.01	29.01f	12.92s	6.91
MIDWING.P	0.980	0.870	19.55	11.52f	13.61p	6.03
MIDWING.S	0.980	0.870	19.55	11.52f	13.60s	6.03
AFTWING.P	0.980	0.870	19.87	6.95a	13.79p	5.78
AFTWING.S	0.980	0.870	19.87	6.95a	13.78s	5.78
WATER.P	1.000	1.000	24.87	29.23a	13.97p	8.63
WATER.S	1.000	1.000	24.87	29.23a	13.97s	8.63
AFTFUEL.P	0.980	0.870	19.24	45.96a	11.60p	10.17
AFTFUEL.S	0.980	0.870	23.71	45.56a	10.76s	10.06
LUBEOIL.P	0.980	0.924	4.76	43.85a	7.24p	9.57
DAYTANK.P	0.980	0.870	11.70	56.13a	10.23p	11.29
SEWAGE.S	0.500	1.025	7.03	55.83a	9.96s	9.69
HOLD1.C	1.000	1.025	107.78	30.11f	0.00	9.44
HOLD2.C	1.000	1.025	125.63	12.11f	0.00	8.99
HOLD3.C	1.000	1.025	110.41	7.15a	0.00	8.79
Total Tanks----->			556.86	0.01a	0.09p	8.65
Total Weight----->			1,122.68	1.51a	0.05p	11.76
			Displ(LT)-----	LCB-----	TCB-----	VCB-----
HULL	1.025		1,122.69	1.45a	0.08p	8.11
						-13.83
			Righting Arms:	0.01f	0.00p	
			Distances in FEET.-----			

HYDROSTATIC PROPERTIES

Trim: Fwd 0.87 deg., Heel: Port 0.54 deg., VCG = 11.76

LCF	Displacement	Buoyancy-Ctr.	Weight/	Moment/					
Draft---	Weight(LT)---	LCB-----	VCB-----	Inch-----	LCF--	Deg trim---	GML-----	GMT	
13.775	1,122.69	1.45a	8.11	8.87	3.72a	1902.16	97.1	4.34	
Distances in FEET.-----				Specific Gravity = 1.025.-----				Moment in Ft-LT.	
Draft is from Baseline.				True Free Surface included.					

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GHS 6.44 SCANDIES ROSE
 CONDITION 6 TENDERING, MAXIMUM CONSUMABLES

RIGHTING ARMS vs HEEL ANGLE

Fixed CG: LCG = 2.98a TCG = 0.00 VCG = 14.81

Origin Depth	Degrees of Trim	Degrees of Heel	Displacement Weight (LT)	Righting Arms in Trim	Righting Arms in Heel	Area
13.829	0.87f	0.54p	1,122.69	0.01f	0.001p	0.00
13.820	0.87f	4.46s	1,122.57	0.00	0.345s	0.86
13.864	0.96f	9.46s	1,122.57	0.00	0.508s	3.07
13.886	1.12f	14.46s	1,122.66	0.00	0.621s	5.91
13.822	1.30f	19.46s	1,122.66	0.00	0.746s	9.33
13.642	1.47f	24.46s	1,122.65	0.00	0.904s	13.44
13.334	1.60f	29.46s	1,122.67	0.00	1.112s	18.46
12.946	1.69f	34.46s	1,122.58	0.00	1.307s	24.51
12.537	1.76f	39.46s	1,122.64	0.00	1.425s	31.37
12.104	1.84f	44.46s	1,122.82	0.00	1.462s	38.62
12.096	1.84f	44.52s	1,122.69	0.00	1.462s	38.72
11.592	1.90f	49.46s	1,122.76	0.00	1.422s	45.87
11.003	1.95f	54.46s	1,122.79	0.00	1.314s	52.73
10.334	1.96f	59.46s	1,122.70	0.00	1.159s	58.94

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Center of Gravity shown above is for the Fixed Weight of 565.82 LT. As the tank load centers shift with heel and trim, the total Center of Gravity varies. The righting arms shown above include the effect of the C.G. variation.

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GHS 6.44 SCANDIES ROSE
 CONDITION 7 TENDERING, 75% CONSUMABLES

WEIGHT and DISPLACEMENT STATUS

Baseline draft: 13.372 @ Origin, Trim: Fwd 0.58 deg., Heel: Port 0.57 deg.

Part-----	Weight(LT)-----	LCG-----	TCG-----	VCG-----	RefHt		
LIGHT SHIP	548.32	3.30a	0.00	14.69			
Crew & Effects	1.00	5.00a	0.00	18.00			
Stores	1.50	15.00a	0.00	16.00			
Tendering Equipment	15.00	10.00f	0.00	19.00			
Total Fixed----->	565.82	2.98a	0.00	14.81			
	Load-----	SpGr					
MIDWING.P	0.570	0.870	11.37	11.29f	13.52p	4.40	-6.45
MIDWING.S	0.570	0.870	11.37	11.30f	13.51s	4.40	-6.72
AFTWING.P	0.980	0.870	19.87	6.97a	13.79p	5.78	-9.77
AFTWING.S	0.980	0.870	19.87	6.97a	13.78s	5.78	-10.05
WATER.P	0.750	1.000	18.65	29.07a	13.93p	7.17	-11.75
WATER.S	0.750	1.000	18.65	29.07a	13.93s	7.17	-12.03
AFTFUEL.P	0.980	0.870	19.23	45.96a	11.60p	10.17	-14.66
AFTFUEL.S	0.980	0.870	23.71	45.57a	10.76s	10.06	-14.88
LUBEOIL.P	0.980	0.924	4.76	43.86a	7.24p	9.57	-14.65
DAYTANK.P	0.980	0.870	11.70	56.13a	10.23p	11.29	-14.86
SEWAGE.S	0.500	1.025	7.03	55.84a	9.96s	9.69	-12.06
HOLD1.C	1.000	1.025	107.78	30.11f	0.00	9.44	
HOLD2.C	1.000	1.025	125.63	12.11f	0.00	8.99	
HOLD3.C	1.000	1.025	110.41	7.15a	0.00	8.79	
Total Tanks----->			510.05	0.69a	0.10p	8.62	
Total Weight----->			1,075.87	1.89a	0.05p	11.88	
			Displ(LT)-----	LCB-----	TCB-----	VCB-----	
HULL	1.025		1,075.88	1.85a	0.09p	7.87	-13.37
Righting Arms:				0.00	0.00p		
Distances in FEET.-----							

HYDROSTATIC PROPERTIES

Trim: Fwd 0.58 deg., Heel: Port 0.57 deg., VCG = 11.88

LCF	Displacement	Buoyancy-Ctr.	Weight/	Moment/
Draft---	Weight(LT)---	LCB---	VCB---	Inch---
13.332	1,075.88	1.85a	7.87	8.82
				3.96a
				1869.56
				99.6
				4.24
Distances in FEET.-----Specific Gravity = 1.025.-----Moment in Ft-LT.				
Draft is from Baseline. True Free Surface included.				

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SCANDIES ROSE

CONDITION 7 TENDERING, 75% CONSUMABLES

RIGHTING ARMS vs HEEL ANGLE

Fixed CG: LCG = 2.98a TCG = 0.00 VCG = 14.81

Origin Depth	Degrees of		Displacement Weight (LT)	Righting Arms		Area
	Trim	Heel		in Trim	in Heel	
13.371	0.58f	0.57p	1,075.88	0.00	0.000p	0.00
13.330	0.58f	4.43s	1,075.99	0.00	0.378s	0.95
13.295	0.61f	9.43s	1,075.84	0.00	0.604s	3.47
13.268	0.72f	14.43s	1,075.86	0.00	0.735s	6.86
13.186	0.88f	19.43s	1,075.86	0.00	0.852s	10.83
13.014	1.06f	24.43s	1,075.86	0.00	0.988s	15.42
12.726	1.24f	29.43s	1,075.87	0.00	1.170s	20.80
12.340	1.36f	34.43s	1,075.88	0.00	1.372s	27.15
11.914	1.44f	39.43s	1,075.91	0.00	1.509s	34.38
11.562	1.50f	43.18s	1,075.85	0.00	1.543s	40.12
11.438	1.52f	44.43s	1,075.89	0.00	1.540s	42.05
10.895	1.59f	49.43s	1,076.01	0.00	1.471s	49.62
10.268	1.62f	54.43s	1,075.92	0.00	1.337s	56.66
9.569	1.63f	59.43s	1,075.88	0.00	1.150s	62.90

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Center of Gravity shown above is for the Fixed Weight of 565.82 LT. As the tank load centers shift with heel and trim, the total Center of Gravity varies. The righting arms shown above include the effect of the C.G. variation.

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 CONDITION 8 TENDERING, 50% CONSUMABLES

SCANDIES ROSE

WEIGHT and DISPLACEMENT STATUS
 Baseline draft: 12.874 @ Origin, Trim: Fwd 1.04 deg., Heel: Port 0.87 deg.

Part	Weight (LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP	548.32	3.30a	0.00	14.69			
Crew & Effects	1.00	5.00a	0.00	18.00			
Stores	1.50	15.00a	0.00	16.00			
Tendering Equipment	15.00	10.00f	0.00	19.00			
Total Fixed	565.82	2.98a	0.00	14.81			
	Load	SpGr					
AFTWING.P	0.980	0.870	19.88	6.94a	13.79p	5.79	-9.76
AFTWING.S	0.980	0.870	19.88	6.94a	13.78s	5.79	-10.18
WATER.P	0.500	1.000	12.44	28.79a	13.88p	5.68	-9.03
WATER.S	0.500	1.000	12.44	28.79a	13.87s	5.68	-9.46
AFTFUEL.P	0.500	0.870	9.82	45.63a	11.51p	8.11	-10.98
AFTFUEL.S	0.500	0.870	12.10	45.22a	10.56s	7.94	-11.20
LUBEOIL.P	0.980	0.924	4.76	43.85a	7.24p	9.57	-14.96
DAYTANK.P	0.980	0.870	11.70	56.12a	10.24p	11.29	-15.25
SEWAGE.S	0.500	1.025	7.03	55.83a	9.95s	9.69	-12.56
HOLD1.C	1.000	1.025	107.78	30.11f	0.00	9.44	
HOLD2.C	1.000	1.025	125.63	12.11f	0.00	8.99	
HOLD3.C	1.000	1.025	110.41	7.15a	0.00	8.79	
Total Tanks			453.88	1.61f	0.15p	8.62	
Total Weight			1,019.70	0.94a	0.07p	12.05	
		Displ (LT)	LCB	TCB	VCB		
HULL	1.025	1,019.81	0.86a	0.14p	7.60		-12.87
Righting Arms:			0.00	0.00p			
Distances in FEET:							

HYDROSTATIC PROPERTIES

Trim: Fwd 1.04 deg., Heel: Port 0.87 deg., VCG = 12.05

LCF	Displacement	Buoyancy-Ctr.	Weight/	Moment/				
Draft	Weight (LT)	LCB	VCB	Inch	LCF	Deg trim	GML	GMT
12.802	1,019.81	0.86a	7.60	8.79	3.93a	1859.67	104.5	4.19
Distances in FEET:			Specific Gravity = 1.025			Moment in Ft-LT.		
Draft is from Baseline.			True Free Surface included.					

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SCANDIES ROSE

CONDITION 8 TENDERING, 50% CONSUMABLES

RIGHTING ARMS vs HEEL ANGLE

Fixed CG: LCG = 2.98a TCG = 0.00 VCG = 14.81

Origin Depth	Degrees of		Displacement Weight (LT)	Righting Arms		Area
	Trim	Heel		in Trim	in Heel	
12.870	1.04f	0.87p	1,019.81	0.00	0.000p	0.00
12.833	1.04f	4.13s	1,019.69	0.01f	0.374s	0.93
12.737	1.04f	9.13s	1,019.68	0.01f	0.679s	3.59
12.670	1.12f	14.13s	1,019.67	0.00	0.837s	7.44
12.572	1.26f	19.13s	1,019.67	0.00	0.945s	11.92
12.399	1.45f	24.13s	1,019.66	0.00	1.057s	16.92
12.120	1.63f	29.13s	1,019.67	0.00	1.207s	22.56
11.726	1.79f	34.13s	1,019.67	0.00	1.410s	29.08
11.268	1.94f	39.13s	1,019.77	0.00	1.565s	36.54
10.876	2.03f	42.88s	1,019.65	0.00	1.596s	42.49
10.737	2.06f	44.13s	1,019.67	0.00	1.591s	44.48
10.145	2.18f	49.13s	1,019.66	0.00	1.506s	52.27
9.480	2.27f	54.13s	1,019.82	0.00	1.351s	59.45
8.745	2.32f	59.13s	1,019.78	0.00	1.139s	65.70

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Center of Gravity shown above is for the Fixed Weight of 565.82 LT. As the tank load centers shift with heel and trim, the total Center of Gravity varies. The righting arms shown above include the effect of the C.G. variation.

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 CONDITION 9 TENDERING, 25% CONSUMABLES

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SCANDIES ROSE

WEIGHT and DISPLACEMENT STATUS

Baseline draft: 12.592 @ Origin, Trim: Fwd 1.71 deg., Heel: Port 1.13 deg.

Part-----	Weight(LT)	LCG-----	TCG-----	VCG	RefHt
LIGHT SHIP	548.32	3.30a	0.00	14.69	
Crew & Effects	1.00	5.00a	0.00	18.00	
Stores	1.50	15.00a	0.00	16.00	
Tendering Equipment	15.00	10.00f	0.00	19.00	
Total Fixed----->	565.82	2.98a	0.00	14.81	
	Load-----	SpGr			
AFTWING.P	0.980	0.870	19.88	6.92a 13.79p	5.79 -9.79
AFTWING.S	0.980	0.870	19.88	6.92a 13.78s	5.79 -10.34
WATER.P	0.250	1.000	6.22	27.94a 13.80p	4.12 -6.35
WATER.S	0.250	1.000	6.22	27.94a 13.76s	4.12 -6.90
LUBEOIL.P	0.980	0.924	4.76	43.84a 7.24p	9.57 -15.43
DAYTANK.P	0.980	0.870	11.70	56.11a 10.24p	11.29 -15.86
SEWAGE.S	0.500	1.025	7.03	55.81a 9.95s	9.68 -13.26
HOLD1.C	1.000	1.025	107.78	30.11f	0.00 9.44
HOLD2.C	1.000	1.025	125.63	12.11f	0.00 8.99
HOLD3.C	1.000	1.025	110.41	7.15a	0.00 8.79
Total Tanks----->			419.50	5.00f 0.20p	8.69
Total Weight----->			985.32	0.42f 0.09p	12.21
		Displ(LT)	LCB-----	TCB-----	VCB
HULL	1.025	985.32	0.56f	0.18p	7.45 -12.58
	Righting Arms:		0.01f	0.00p	
Distances in FEET.----->					

HYDROSTATIC PROPERTIES

Trim: Fwd 1.71 deg., Heel: Port 1.13 deg., VCG = 12.21

LCF	Displacement	Buoyancy-Ctr.	Weight/	Moment/
Draft---	Weight(LT)---	LCB-----	VCB-----	Inch-----
12.481	985.32	0.56f	7.45	8.79
				LCF--Deg trim---
				3.74a 1865.29
				108.5 4.22
Distances in FEET.----->				
Draft is from Baseline.				
Specific Gravity = 1.025.----->				
Moment in Ft-LT.				
True Free Surface included.				

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SCANDIES ROSE

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CONDITION 9 TENDERING, 25% CONSUMABLES

RIGHTING ARMS vs HEEL ANGLE

Fixed CG: LCG = 2.98a TCG = 0.00 VCG = 14.81

Origin Depth	Degrees of		Displacement	Righting Arms		Area
	Trim	Heel	Weight (LT)	in Trim	in Heel	
12.584	1.71f	1.13p	985.32	0.01f	0.000p	0.00
12.554	1.70f	3.87s	985.32	0.00	0.372s	0.93
12.441	1.69f	8.87s	985.32	0.00	0.713s	3.66
12.358	1.78f	13.87s	985.31	0.00	0.884s	7.72
12.251	1.93f	18.87s	985.31	0.00	0.989s	12.43
12.073	2.11f	23.87s	985.30	0.00	1.089s	17.63
11.792	2.29f	28.87s	985.32	0.00	1.225s	23.40
11.394	2.45f	33.87s	985.32	0.00	1.419s	29.99
10.908	2.63f	38.87s	985.39	0.00	1.580s	37.50
10.495	2.77f	42.62s	985.32	0.00	1.616s	43.51
10.350	2.82f	43.87s	985.33	0.00	1.611s	45.53
9.726	3.00f	48.87s	985.36	0.00	1.532s	53.43
9.035	3.14f	53.87s	985.48	0.00	1.374s	60.73
8.277	3.24f	58.87s	985.46	0.00	1.158s	67.08

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Center of Gravity shown above is for the Fixed Weight of 565.82 LT. As the tank load centers shift with heel and trim, the total Center of Gravity varies. The righting arms shown above include the effect of the C.G. variation.

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GHS 6.44 SCANDIES ROSE
 CONDITION 10 TENDERING, 10% CONSUMABLES

WEIGHT and DISPLACEMENT STATUS

Baseline draft: 12.312 @ Origin, Trim: Fwd 1.85 deg., Heel: Port 1.19 deg.

Part	Weight (LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP	548.32	3.30a	0.00	14.69			
Crew & Effects	1.00	5.00a	0.00	18.00			
Stores	1.50	15.00a	0.00	16.00			
Tendering Equipment	15.00	10.00f	0.00	19.00			
Total Fixed	565.82	2.98a	0.00	14.81			
	Load	SpGr					
AFTWING.P	0.410	0.870	8.32	6.75a	13.70p	3.40	-5.07
AFTWING.S	0.410	0.870	8.32	6.75a	13.67s	3.40	-5.65
WATER.P	0.100	1.000	2.49	26.15a	13.46p	3.01	-4.47
WATER.S	0.100	1.000	2.49	26.13a	13.43s	3.02	-5.05
LUBEOIL.P	0.980	0.924	4.76	43.84a	7.24p	9.57	-15.53
DAYTANK.P	0.980	0.870	11.70	56.11a	10.24p	11.29	-16.00
SEWAGE.S	0.500	1.025	7.03	55.80a	9.94s	9.68	-13.41
HOLD1.C	1.000	1.025	107.78	30.11f	0.00	9.44	
HOLD2.C	1.000	1.025	125.63	12.11f	0.00	8.99	
HOLD3.C	1.000	1.025	110.41	7.15a	0.00	8.79	
Total Tanks			388.92	6.37f	0.22p	8.83	
Total Weight			954.74	0.83f	0.09p	12.38	
		Displ (LT)	LCB	TCB	VCB		
HULL	1.025	954.81	0.99f	0.19p	7.30		-12.30
Righting Arms:			0.00	0.00p			
Distances in FEET:							

HYDROSTATIC PROPERTIES

Trim: Fwd 1.85 deg., Heel: Port 1.19 deg., VCG = 12.38

LCF	Displacement	Buoyancy-Ctr.	Weight/	Moment/				
Draft	Weight (LT)	LCB	VCB	Inch	LCF	Deg trim	GML	GMT
12.190	954.81	0.99f	7.30	8.77	3.76a	1853.79	111.2	4.14
Distances in FEET:			Specific Gravity = 1.025			Moment in Ft-LT.		
Draft is from Baseline.			True Free Surface included.					

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SCANDIES ROSE
 CONDITION 10 TENDERING, 10% CONSUMABLES

RIGHTING ARMS vs HEEL ANGLE

Fixed CG: LCG = 2.98a TCG = 0.00 VCG = 14.81

Origin Depth	Degrees of		Displacement Weight (LT)	Righting Arms		Area
	Trim	Heel		in Trim	in Heel	
12.303	1.85f	1.19p	954.81	0.00	0.000p	0.00
12.274	1.85f	3.81s	954.74	0.01f	0.366s	0.91
12.149	1.83f	8.81s	954.75	0.00	0.722s	3.64
12.033	1.90f	13.81s	954.58	0.00	0.918s	7.80
11.910	2.05f	18.81s	954.74	0.00	1.022s	12.69
11.725	2.24f	23.81s	954.74	0.00	1.110s	18.02
11.442	2.42f	28.81s	954.60	0.00	1.227s	23.85
11.046	2.59f	33.81s	954.67	0.00	1.400s	30.40
10.547	2.78f	38.81s	954.90	0.00	1.547s	37.78
10.171	2.91f	42.06s	954.81	0.00	1.577s	42.88
9.958	2.99f	43.81s	954.76	0.00	1.569s	45.62
9.311	3.19f	48.81s	954.90	0.00	1.475s	53.28
8.592	3.34f	53.81s	954.80	0.00	1.304s	60.26
7.814	3.46f	58.81s	954.81	0.00	1.071s	66.22

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Center of Gravity shown above is for the Fixed Weight of 565.82 LT. As the tank load centers shift with heel and trim, the total Center of Gravity varies. The righting arms shown above include the effect of the C.G. variation.

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GHS 6.44 SCANDIES ROSE
 CONDITION 11 DEPARTURE, ALL HOLDS FULL

WEIGHT and DISPLACEMENT STATUS

Baseline draft: 13.829 @ Origin, Trim: Fwd 2.18 deg., Heel: Stbd 0.45 deg.

Part	Weight (LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP	548.32	3.30a	0.00	14.69			
Crew & Effects	1.00	5.00a	0.00	18.00			
Stores	1.50	15.00a	0.00	16.00			
1st tier 88 pots	32.80	8.50f	0.00	18.75			
2nd tier 40 pots	14.91	8.50f	0.00	23.67			
#rd tier 40 pots	14.91	8.50f	0.00	26.50			
Ice on Hull	16.08	3.89f	0.00	21.37			
Total Fixed	629.52	1.97a	0.00	15.57			
	Load	SpGr					
MIDWING.P	0.980	0.870	19.55	11.57f	13.60p	6.03	-9.56
MIDWING.S	0.980	0.870	19.55	11.57f	13.61s	6.03	-9.34
AFTWING.P	0.980	0.870	19.87	6.91a	13.79p	5.78	-10.24
AFTWING.S	0.980	0.870	19.87	6.91a	13.79s	5.78	-10.02
WATER.P	1.000	1.000	24.87	29.23a	13.97p	8.63	
WATER.S	1.000	1.000	24.87	29.23a	13.97s	8.63	
LUBEOIL.P	0.980	0.924	4.76	43.84a	7.24p	9.57	-15.99
SEWAGE.S	0.500	1.025	7.03	55.78a	10.02s	9.68	-13.43
HOLD1.C	1.000	1.025	107.78	30.11f	0.00	9.44	
HOLD2.C	1.000	1.025	125.63	12.11f	0.00	8.99	
HOLD3.C	1.000	1.025	110.41	7.15a	0.00	8.79	
Total Tanks			484.21	4.34f	0.07s	8.52	
Total Weight			1,113.73	0.77f	0.03s	12.51	
			Displ (LT)	LCB	TCB	VCB	
HULL	1.025		1,113.73	0.94f	0.07s	8.13	-13.82
Righting Arms:				0.00	0.00s		
Distances in FEET.							

HYDROSTATIC PROPERTIES

Trim: Fwd 2.18 deg., Heel: Stbd 0.45 deg., VCG = 12.51

LCF	Displacement	Buoyancy-Ctr.	Weight/	Moment/				
Draft	Weight (LT)	LCB	VCB	Inch	LCF	Deg trim	GML	GMT
13.707	1,113.73	0.94f	8.13	8.93	3.19a	1933.46	99.5	3.78
Distances in FEET.				Specific Gravity = 1.025.	Moment in Ft-LT.			
Draft is from Baseline.				True Free Surface included.				

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 GHS 6.44

SCANDIES ROSE

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CONDITION 11 DEPARTURE, ALL HOLDS FULL

RIGHTING ARMS vs HEEL ANGLE

Fixed CG: LCG = 1.97a TCG = 0.00 VCG = 15.57

Origin Depth	Degrees of Trim	Degrees of Heel	Displacement Weight (LT)	Righting Arms		Area
				in Trim	in Heel	
13.818	2.18f	0.45s	1,113.73	0.00	0.000s	0.00
13.852	2.25f	5.45s	1,113.72	0.00	0.212s	0.53
13.952	2.45f	10.45s	1,113.71	0.00	0.269s	1.80
13.973	2.64f	15.45s	1,113.72	0.00	0.324s	3.28
13.876	2.79f	20.45s	1,113.71	0.00	0.401s	5.09
13.648	2.90f	25.45s	1,113.72	0.00	0.523s	7.38
13.302	3.00f	30.45s	1,113.73	0.00	0.684s	10.38
12.900	3.16f	35.45s	1,113.72	0.00	0.812s	14.13
12.470	3.34f	40.45s	1,113.68	0.00	0.874s	18.37
12.317	3.40f	42.13s	1,113.72	0.00	0.878s	19.84
11.993	3.51f	45.45s	1,113.72	0.00	0.860s	22.74
11.450	3.67f	50.45s	1,113.76	0.00	0.772s	26.85
10.831	3.80f	55.45s	1,113.72	0.00	0.627s	30.37
10.153	3.93f	60.45s	1,113.72	0.00	0.432s	33.04

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Center of Gravity shown above is for the Fixed Weight of 629.52 LT. As the tank load centers shift with heel and trim, the total Center of Gravity varies. The righting arms shown above include the effect of the C.G. variation.

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GHS 6.44 SCANDIES ROSE
 MAXIMUM CONSUMABLES, HOLDS 1 AND 3 FLOODED, 208 POTS

WEIGHT and DISPLACEMENT STATUS

Baseline draft: 13.062 @ Origin, Trim: Fwd 1.03 deg., Heel: Port 0.17 deg.

Part	Weight (LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP	548.32	3.30a	0.00	14.69			
Crew & Effects	1.00	5.00a	0.00	18.00			
Stores	1.50	15.00a	0.00	16.00			
1st tier 88 pots	32.80	8.50f	0.00	18.75			
2nd tier 40 pots	14.91	8.50f	0.00	23.67			
3rd tier 40 pots	14.91	8.50f	0.00	26.50			
4th tier 40 pots	14.91	8.50f	0.00	29.33			
ice on hull	16.08	3.89f	0.00	21.37			
Total Fixed	644.43	1.73a	0.00	15.89			
	Load	SpGr					
FWDWING.P	0.980	0.870	9.01	29.02f	12.93p	6.91	-9.32
FWDWING.S	0.980	0.870	9.01	29.02f	12.93s	6.91	-9.40
MIDWING.P	0.980	0.870	19.55	11.53f	13.61p	6.03	-9.59
MIDWING.S	0.980	0.870	19.55	11.53f	13.61s	6.03	-9.68
AFTWING.P	0.980	0.870	19.88	6.94a	13.79p	5.79	-9.92
AFTWING.S	0.980	0.870	19.88	6.94a	13.79s	5.79	-10.01
WATER.P	1.000	1.000	24.87	29.23a	13.97p	8.63	
WATER.S	1.000	1.000	24.87	29.23a	13.97s	8.63	
LUBEOIL.P	0.980	0.924	4.76	43.85a	7.24p	9.57	-15.04
DAYTANK.P	0.980	0.870	11.70	56.12a	10.10p	11.29	-15.37
SEWAGE.S	1.000	1.025	14.07	56.16a	10.15s	11.36	
HOLD1.C	1.000	1.025	107.78	30.11f	0.00	9.44	
HOLD3.C	1.000	1.025	110.41	7.15a	0.00	8.79	
Total Tanks			395.33	0.11f	0.03p	8.46	
Total Weight			1,039.76	1.03a	0.01p	13.07	
			Displ (LT)	LCB	TCB	VCB	
HULL	1.025		1,039.73	0.93a	0.03p	7.70	-13.06
Righting Arms:				0.00	0.00		
Distances in FEET.							

HYDROSTATIC PROPERTIES

Trim: Fwd 1.03 deg., Heel: Port 0.17 deg., VCG = 13.07

LCF	Displacement	Buoyancy-Ctr.	Weight/	Moment/				
Draft	Weight (LT)	LCB	VCB	Inch	LCF	Deg trim	GML	GMT
12.991	1,039.73	0.93a	7.70	8.82	3.95a	1857.49	102.3	3.19
Distances in FEET.								
Draft is from Baseline.								
Specific Gravity = 1.025.								
Moment in Ft-LT.								
True Free Surface included.								

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SCANDIES ROSE

MAXIMUM CONSUMABLES, HOLDS 1 AND 3 FLOODED, 208 POTS

RIGHTING ARMS vs HEEL ANGLE

Fixed CG: LCG = 1.73a TCG = 0.00 VCG = 15.89

Origin Depth	Degrees of Trim	Heel	Displacement Weight (LT)	Righting Arms		Area
				in Trim	in Heel	
13.060	1.03f	0.17p	1,039.73	0.00	0.000	0.00
13.008	1.03f	4.83s	1,039.79	0.01f	0.286s	0.71
12.940	1.05f	9.83s	1,039.76	0.00	0.449s	2.60
12.891	1.16f	14.83s	1,039.66	0.00	0.497s	5.01
12.795	1.31f	19.83s	1,039.74	0.00	0.521s	7.57
12.610	1.50f	24.83s	1,039.73	0.00	0.564s	10.27
12.312	1.67f	29.83s	1,039.75	0.00	0.659s	13.31
11.905	1.81f	34.83s	1,039.68	0.00	0.795s	16.93
11.449	1.94f	39.83s	1,039.75	0.00	0.869s	21.11
11.392	1.95f	40.41s	1,039.77	0.00	0.870s	21.62
10.934	2.06f	44.83s	1,039.89	0.00	0.822s	25.39
10.345	2.17f	49.83s	1,039.75	0.00	0.685s	29.21
9.686	2.25f	54.83s	1,039.90	0.00	0.483s	32.15
8.955	2.29f	59.83s	1,039.84	0.00	0.237s	33.97

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Center of Gravity shown above is for the Fixed Weight of 644.43 LT. As the tank load centers shift with heel and trim, the total Center of Gravity varies. The righting arms shown above include the effect of the C.G. variation.

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 GHS 6.44
 HOLD #2 FLOODED, 1 AND 3 EMPTY, 208 POTS

SCANDIES ROSE

WEIGHT and DISPLACEMENT STATUS

Baseline draft: 12.127 @ Origin; Trim: Fwd 0.31 deg., Heel: Port 0.17 deg.

Part-----	Weight(LT)---	LCG----	TCG----	VCG		RefHt	
LIGHT SHIP	548.32	3.30a	0.00	14.69			
Crew & Effects	1.00	5.00a	0.00	18.00			
Stores	1.50	15.00a	0.00	16.00			
1st tier 88 pots	32.80	8.50f	0.00	18.75			
2nd tier 40 pots	14.91	8.50f	0.00	23.67			
3rd tier 40 pots	14.91	8.50f	0.00	26.50			
4th tier 40 pots	14.91	8.50f	0.00	29.33			
ice on hull	16.08	3.89f	0.00	21.37			
Total Fixed----->	644.43	1.73a	0.00	15.89			
	Load-----	SpGr					
FWDWING.P	0.980	0.870	9.01	28.98f	12.93p	6.91	-9.69
FWDWING.S	0.980	0.870	9.01	28.98f	12.93s	6.91	-9.77
MIDWING.P	0.980	0.870	19.55	11.47f	13.61p	6.03	-9.75
MIDWING.S	0.980	0.870	19.55	11.47f	13.61s	6.03	-9.83
AFTWING.P	0.980	0.870	19.87	6.99a	13.79p	5.78	-9.83
AFTWING.S	0.980	0.870	19.87	6.99a	13.79s	5.78	-9.92
WATER.P	1.000	1.000	24.87	29.23a	13.97p	8.63	
WATER.S	1.000	1.000	24.87	29.23a	13.97s	8.63	
LUBEOIL.P	0.980	0.924	4.76	43.86a	7.24p	9.57	-14.48
DAYTANK.P	0.980	0.870	11.70	56.14a	10.10p	11.29	-14.65
SEWAGE.S	1.000	1.025	14.07	56.16a	10.15s	11.36	
HOLD2.C	1.000	1.025	125.63	12.11f	0.00	8.99	
Total Tanks----->			302.75	2.96a	0.03p	8.21	
Total Weight----->			947.18	2.12a	0.01p	13.44	
			Displ(LT)---	LCB----	TCB----	VCB	
HULL	1.025		947.07	2.10a	0.03p	7.20	-12.13
Righting Arms:				0.01a	0.00s		
Distances in FEET.-----							

HYDROSTATIC PROPERTIES

Trim: Fwd 0.31 deg., Heel: Port 0.17 deg., VCG = 13.44

LCF	Displacement	Buoyancy-Ctr.	Weight/	Moment/				
Draft---	Weight(LT)---	LCB----	VCB----	Inch----	LCF--	Deg trim---	GML-----	GMT
12.103	947.07	2.10a	7.20	8.71	4.48a	1791.63	108.4	2.97
Distances in FEET.-----				Specific Gravity = 1.025.-----				Moment in Ft-LT.
Draft is from Baseline.				True Free Surface included.				

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SCANDIES ROSE

HOLD #2 FLOODED, 1 AND 3 EMPTY, 208 POTS

RIGHTING ARMS vs HEEL ANGLE

Fixed CG: LCG = 1.73a TCG = 0.00 VCG = 15.89

Origin Depth	Degrees of Trim	Heel	Displacement Weight (LT)	Righting Arms		Area
				in Trim	in Heel	
12.127	0.31f	0.17p	947.07	0.01a	0.001s	0.00
12.078	0.31f	4.83s	947.18	0.00	0.269s	0.68
11.935	0.29f	9.83s	947.19	0.00	0.533s	2.68
11.786	0.31f	14.83s	947.15	0.00	0.675s	5.75
11.625	0.40f	19.83s	947.14	0.00	0.734s	9.31
11.420	0.58f	24.83s	947.17	0.00	0.769s	13.08
11.139	0.81f	29.83s	947.18	0.00	0.824s	17.05
10.756	1.04f	34.83s	947.19	0.00	0.926s	21.41
10.327	1.19f	39.12s	947.25	0.00	0.974s	25.49
10.249	1.21f	39.83s	947.29	0.00	0.973s	26.19
10.105	1.25f	41.08s	947.07	0.00	0.965s	27.40
9.653	1.33f	44.83s	947.18	0.00	0.895s	30.90
8.988	1.41f	49.83s	947.18	0.00	0.713s	34.97
8.260	1.47f	54.83s	947.18	0.00	0.468s	37.94
7.475	1.50f	59.83s	947.29	0.00	0.164s	39.55

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Center of Gravity shown above is for the Fixed Weight of 644.43 LT. As the tank load centers shift with heel and trim, the total Center of Gravity varies. The righting arms shown above include the effect of the C.G. variation.

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 GHS 6.44
 HOLD #1 FLOODED, 2 AND 3 EMPTY, 208 POTS

SCANDIES ROSE

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WEIGHT and DISPLACEMENT STATUS

Baseline draft: 12.027 @ Origin, Trim: Fwd 1.24 deg., Heel: Port 0.17 deg.

Part	Weight (LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP	548.32	3.30a	0.00	14.69			
Crew & Effects	1.00	5.00a	0.00	18.00			
Stores	1.50	15.00a	0.00	16.00			
1st tier 88 pots	32.80	8.50f	0.00	18.75			
2nd tier 40 pots	14.91	8.50f	0.00	23.67			
3rd tier 40 pots	14.91	8.50f	0.00	26.50			
4th tier 40 pots	14.91	8.50f	0.00	29.33			
ice on hull	16.08	3.89f	0.00	21.37			
Total Fixed	644.43	1.73a	0.00	15.89			
	Load	SpGr					
FWDWING.P	0.980	0.870	9.01	29.03f	12.93p	6.91	-9.22
FWDWING.S	0.980	0.870	9.01	29.03f	12.93s	6.91	-9.30
MIDWING.P	0.980	0.870	19.55	11.54f	13.61p	6.03	-9.56
MIDWING.S	0.980	0.870	19.55	11.54f	13.61s	6.03	-9.64
AFTWING.P	0.980	0.870	19.87	6.93a	13.79p	5.78	-9.95
AFTWING.S	0.980	0.870	19.87	6.93a	13.79s	5.78	-10.03
WATER.P	1.000	1.000	24.87	29.23a	13.97p	8.63	
WATER.S	1.000	1.000	24.87	29.23a	13.97s	8.63	
LUBEOIL.P	0.980	0.924	4.76	43.85a	7.24p	9.57	-15.19
DAYTANK.P	0.980	0.870	11.70	56.12a	10.10p	11.29	-15.57
SEWAGE.S	1.000	1.025	14.07	56.16a	10.15s	11.36	
HOLD1.C	1.000	1.025	107.78	30.11f	0.00	9.44	
Total Tanks	284.91		2.93f	0.03p	8.33		
Total Weight	929.34		0.30a	0.01p	13.57		
	Displ (LT)	LCB	TCB	VCB			
HULL	1.025	929.30	0.15a	0.03p	7.14		-12.02
Righting Arms:			0.01f	0.00s			
Distances in FEET.							

HYDROSTATIC PROPERTIES

Trim: Fwd 1.24 deg., Heel: Port 0.17 deg., VCG = 13.57

LCF	Displacement	Buoyancy-Ctr.	Weight/	Moment/					
Draft	Weight (LT)	LCB	VCB	Inch	LCF	Deg trim	GML	GMT	
11.938	929.30	0.15a	7.14	8.73	4.12a	1807.74	111.4	2.96	
Distances in FEET.				Specific Gravity = 1.025.				Moment in Ft-LT.	
Draft is from Baseline.				True Free Surface included.					

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 HOLD #1 FLOODED, 2 AND 3 EMPTY, 208 POTS

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SCANDIES ROSE

RIGHTING ARMS vs HEEL ANGLE

Fixed CG: LCG = 1.73a TCG = 0.00 VCG = 15.89

Origin Depth	Degrees of Trim	Heel	Displacement Weight (LT)	Righting Arms		Area
				in Trim	in Heel	-->
12.024	1.23f	0.17p	929.30	0.00	0.002s	0.00
11.975	1.22f	4.83s	929.34	0.00	0.267s	0.67
11.828	1.20f	9.83s	929.33	0.00	0.534s	2.67
11.679	1.24f	14.83s	929.38	0.00	0.662s	5.72
11.521	1.37f	19.83s	929.29	0.00	0.696s	9.16
11.312	1.56f	24.83s	929.24	0.00	0.708s	12.68
11.021	1.78f	29.83s	929.27	0.00	0.744s	16.30
10.616	1.98f	34.83s	929.48	0.00	0.837s	20.23
10.082	2.18f	39.83s	929.34	0.00	0.885s	24.56
9.931	2.22f	41.08s	929.19	0.00	0.878s	25.66
9.460	2.35f	44.83s	929.33	0.00	0.810s	28.85
8.775	2.50f	49.83s	929.48	0.00	0.626s	32.48
8.028	2.62f	54.83s	929.33	0.00	0.377s	35.02
7.225	2.70f	59.83s	929.34	0.00	0.074s	36.17

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Center of Gravity shown above is for the Fixed Weight of 644.43 LT. As the tank load centers shift with heel and trim, the total Center of Gravity varies. The righting arms shown above include the effect of the C.G. variation.

CONDITION 1

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GHS 6.44

SCANDIES ROSE

Page 1

HEELING MOMENT derivation
Wind speed at 10 meters: 65.4 knots from port, CD: 1.200
Baseline draft: 13.114, Heel: zero

Part	LPA	HCP	Arm	Pressure	Moment
HULL	777	5.02	10.93	0.00484	41.04
POTS	1056	10.12	16.03	0.00591	100.02
RAIL	12	3.57	9.47	0.00435	0.48
MAST	44	19.51	25.41	0.00701	7.89
HOUSE	197	16.33	22.24	0.00670	29.30
Total wind heeling moment to starboard----->					178.72
Distances in FEET-----Pressure in LT/SqFt-----Moment in Ft-LT					

RESIDUAL RIGHTING ARMS vs HEEL ANGLE

LCG = 0.00 TCG = 0.00 VCG = 0.00

Origin Depth	Degrees of Trim	Displacement Heel	Weight (LT) ---	Residual Arms in Trim	in Heel	Area -->
13.134	1.46f	7.67p	1,053.10	0.00	2.283p	0.00
13.195	1.45f	2.67p	1,053.22	0.00	0.934p	-8.04
13.211	1.45f	0.59s	1,053.09	0.00	0.000s	-9.57
13.199	1.45f	2.33s	1,053.09	0.00	0.496s	-9.14
13.136	1.46f	7.33s	1,053.10	0.00	1.858s	-3.25
13.119	1.55f	12.33s	1,053.09	0.00	3.042s	9.08
13.067	1.69f	17.33s	1,053.09	0.00	4.161s	27.11
12.931	1.85f	22.33s	1,053.09	0.00	5.262s	50.67
12.683	2.01f	27.33s	1,053.09	0.00	6.366s	79.74
12.313	2.14f	32.33s	1,053.09	0.00	7.484s	114.36
11.875	2.27f	37.33s	1,053.02	0.01f	8.528s	154.43
11.402	2.43f	42.33s	1,053.07	0.00	9.413s	199.35
10.864	2.58f	47.33s	1,053.21	0.00	10.129s	248.27
10.248	2.70f	52.33s	1,053.23	0.00	10.698s	300.40
9.561	2.81f	57.33s	1,053.23	0.00	11.135s	355.04
9.165	2.85f	60.00s	1,053.16	0.00	11.319s	385.04
8.383	2.93f	65.00s	1,053.17	0.00	11.573s	442.32
7.551	3.01f	70.00s	1,053.16	0.00	11.709s	500.57
6.879	3.08f	73.85s	1,053.09	0.00	11.740s	545.76
6.676	3.10f	75.00s	1,053.15	0.00	11.737s	559.23
5.764	3.18f	80.00s	1,053.15	0.00	11.663s	617.77
4.820	3.27f	85.00s	1,053.09	0.00	11.492s	675.70
3.849	3.33f	90.00s	1,053.07	0.00	11.232s	732.55
2.863	3.39f	95.00s	1,053.05	0.00	10.886s	787.88
1.871	3.45f	100.00s	1,052.99	0.00	10.461s	841.28
0.882	3.51f	105.00s	1,053.00	0.00	9.962s	892.37
-0.108	3.56f	110.00s	1,053.04	0.00	9.393s	940.78
-1.074	3.64f	115.00s	1,053.09	0.00	8.760s	986.19
-2.003	3.76f	120.00s	1,053.09	0.00	8.066s	1028.28
-2.873	3.97f	125.00s	1,053.09	0.00	7.306s	1066.74
-3.699	4.21f	130.00s	1,053.09	0.00	6.507s	1101.29
-4.488	4.46f	135.00s	1,052.95	0.00	5.696s	1131.80
-5.233	4.69f	140.00s	1,053.09	0.00	4.900s	1158.29
-5.932	4.90f	145.00s	1,053.09	0.00	4.148s	1180.89

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GHS 6.44 SCANDIES ROSE
 CONDITION 1 SEVERE WIND AND ROLL

-6.549	5.05f	150.00s	1,053.10	0.00	3.437s	1199.83
-7.061	5.10f	155.00s	1,053.11	0.00	2.782s	1215.36
-7.466	5.07f	160.00s	1,053.13	0.00	2.190s	1227.76
-7.781	5.05f	165.00s	1,053.11	0.00	1.624s	1237.28
-8.004	5.05f	170.00s	1,053.21	0.00	1.044s	1243.96
-8.137	5.05f	175.00s	1,053.17	0.01a	0.442s	1247.68
-8.175	5.07f	178.61s	1,053.09	0.00	0.000s	1248.48
-8.179	5.07f	180.00s	1,053.09	0.00	-0.170s	1248.36

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Residual Righting Arms shown above are in excess of the wind heeling arms derived from this moment (in Ft-LT):
 Stbd heeling moment = 178.72

LIM-----	STABILITY CRITERION-----	Min/Max-----	Margin-----
(1) Absolute Angle at Equilibrium	<	14.00 deg	13 deg
(2) Res. Ratio from Roll to abs 60 deg or RAzero	>	1.000	4022%
(3) Res. Area Ratio from Roll to Flood or RAzero	>	1.000	UNDEF

HEELING MOMENT derivation
 Wind speed at 10 meters: 65.4 knots from port, CD: 1.200
 Baseline draft: 12.651, Heel: zero

Part-----	LPA-----	HCP-----	Arm-----	Pressure-----	Moment-----
HULL	834	5.13	10.81	0.00487	43.88
POTS	1056	10.58	16.27	0.00598	102.78
RAIL	12	4.03	9.72	0.00452	0.51
MAST	44	19.97	25.66	0.00705	8.01
HOUSE	197	16.80	22.48	0.00675	29.84
Total wind heeling moment to starboard----->					185.01
Distances in FEET.-----Pressure in LT/SqFt----->					Moment in Ft-LT

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RESIDUAL RIGHTING ARMS vs HEEL ANGLE

LCG = 0.00 TCG = 0.00 VCG = 0.00

Origin Depth	Degrees of Trim	Heel	Displacement Weight (LT)	Residual Arms in Trim	in Heel	Area
12.635	1.36f	7.45p	1,004.29	0.00	2.305p	0.00
12.734	1.37f	2.45p	1,004.37	0.00	0.887p	-7.98
12.746	1.37f	0.64s	1,004.39	0.00	0.001s	-9.35
12.732	1.37f	2.55s	1,004.39	0.00	0.549s	-8.82
12.633	1.36f	7.55s	1,004.31	0.00	1.965s	-2.54
12.556	1.41f	12.55s	1,004.39	0.00	3.209s	10.47
12.468	1.53f	17.55s	1,004.39	0.00	4.351s	29.41
12.317	1.70f	22.55s	1,004.39	0.00	5.453s	53.94
12.069	1.87f	27.55s	1,004.39	0.00	6.548s	83.94
11.704	2.03f	32.55s	1,004.39	0.00	7.658s	119.45
11.251	2.19f	37.55s	1,004.39	0.00	8.718s	160.41
10.728	2.35f	42.55s	1,004.38	0.01f	9.606s	206.30
10.142	2.50f	47.55s	1,004.39	0.00	10.305s	256.15
9.484	2.63f	52.55s	1,004.39	0.00	10.858s	309.12
8.759	2.74f	57.55s	1,004.39	0.00	11.273s	364.51
8.381	2.78f	60.00s	1,004.39	0.00	11.432s	392.29
7.568	2.85f	65.00s	1,004.39	0.00	11.668s	450.09
6.710	2.92f	70.00s	1,004.39	0.00	11.789s	508.78
6.192	2.97f	72.92s	1,004.36	0.00	11.807s	543.21
5.815	3.00f	75.00s	1,004.39	0.00	11.798s	567.79
4.889	3.06f	80.00s	1,004.51	0.00	11.703s	626.59
3.937	3.12f	85.00s	1,004.50	0.00	11.510s	684.66
2.964	3.18f	90.00s	1,004.39	0.00	11.226s	741.54
1.980	3.22f	95.00s	1,004.39	0.00	10.858s	796.78
0.995	3.25f	100.00s	1,004.39	0.00	10.410s	849.98
0.016	3.29f	105.00s	1,004.44	0.00	9.890s	900.76
-0.954	3.34f	110.00s	1,004.39	0.00	9.304s	948.78
-1.905	3.39f	115.00s	1,004.39	0.00	8.656s	993.70
-2.816	3.49f	120.00s	1,004.39	0.00	7.951s	1035.24
-3.680	3.63f	125.00s	1,004.40	0.01a	7.188s	1073.11
-4.481	3.84f	130.00s	1,004.39	0.01f	6.376s	1107.05
-5.230	4.08f	135.00s	1,004.39	0.01f	5.548s	1136.86
-5.936	4.30f	140.00s	1,004.39	0.01f	4.737s	1162.57
-6.596	4.50f	145.00s	1,004.39	0.00	3.982s	1184.34
-7.181	4.65f	150.00s	1,004.39	0.00	3.290s	1202.49
-7.661	4.70f	155.00s	1,004.32	0.00	2.664s	1217.35
-8.042	4.68f	160.00s	1,004.42	0.00	2.095s	1229.22
-8.345	4.67f	165.00s	1,004.41	0.00	1.547s	1238.32
-8.564	4.68f	170.00s	1,004.50	0.00	0.990s	1244.67
-8.694	4.70f	175.00s	1,004.45	0.00	0.409s	1248.18
-8.733	4.71f	178.45s	1,004.39	0.01f	0.001s	1248.89
-8.738	4.71f	180.00s	1,004.39	0.00	-0.184s	1248.74

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

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Note: The Residual Righting Arms shown above are in excess of the
 wind heeling arms derived from this moment (in Ft-LT):
 Stbd heeling moment = 185.01

LIM-----	STABILITY CRITERION-----	Min/Max-----	Margin-----
(1) Absolute Angle at Equilibrium	<	14.00 deg	13 deg
(2) Res. Ratio from Roll to abs 60 deg or RAZero	>	1.000	4195%
(3) Res. Area Ratio from Roll to Flood or RAZero	>	1.000	UNDEF

HEELING MOMENT derivation
 Wind speed at 10 meters: 65.4 knots from port, CD: 1.200
 Baseline draft: 12.529, Heel: zero

Part-----	LPA-----	HCP-----	Arm-----	Pressure-----	Moment-----	
HULL	849	5.16	10.78	0.00488	44.64	
POTS	1056	10.71	16.33	0.00600	103.50	
RAIL	12	4.15	9.78	0.00456	0.52	
MAST	44	20.09	25.72	0.00706	8.04	
HOUSE	197	16.92	22.55	0.00676	29.98	
Total wind heeling moment to starboard----->					186.68	
Distances in FEET-----					Pressure in LT/SqFt-----	Moment in Ft-LT

RESIDUAL RIGHTING ARMS vs HEEL ANGLE

LCG = 0.00 TCG = 0.00 VCG = 0.00

Origin	Degrees of	Displacement	Residual Arms		
Depth	Trim	Heel	Weight (LT)	in Trim	in Heel --> Area
12.510	1.33f	7.38p	991.55	0.00	2.302p 0.00
12.613	1.35f	2.38p	991.61	0.00	0.873p -7.94
12.624	1.35f	0.65s	991.63	0.00	0.001s -9.27
12.609	1.35f	2.62s	991.63	0.00	0.565s -8.71
12.505	1.33f	7.62s	991.55	0.00	1.990s -2.32
12.413	1.38f	12.62s	991.63	0.00	3.252s 10.86
12.315	1.49f	17.62s	991.63	0.00	4.402s 30.04
12.158	1.66f	22.62s	991.63	0.00	5.506s 54.83
11.909	1.83f	27.62s	991.63	0.00	6.600s 85.10
11.546	2.00f	32.62s	991.63	0.00	7.707s 120.86
11.088	2.16f	37.62s	991.63	0.00	8.769s 162.07
10.553	2.33f	42.62s	991.62	0.01f	9.655s 208.20
9.953	2.48f	47.62s	991.63	0.00	10.351s 258.30
9.284	2.61f	52.62s	991.63	0.00	10.899s 311.48
8.549	2.72f	57.62s	991.63	0.00	11.309s 367.06
8.178	2.76f	60.00s	991.63	0.00	11.460s 394.18
7.358	2.84f	65.00s	991.63	0.00	11.692s 452.11
6.492	2.90f	70.00s	991.63	0.00	11.809s 510.91
6.009	2.94f	72.71s	991.62	0.00	11.825s 542.92
5.593	2.97f	75.00s	991.63	0.00	11.813s 570.01
4.663	3.04f	80.00s	991.72	0.00	11.713s 628.87

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3.707	3.09f	85.00s	991.63	0.00	11.514s	686.97
2.737	3.15f	90.00s	991.63	0.00	11.224s	743.86
1.754	3.18f	95.00s	991.63	0.00	10.850s	799.08
0.770	3.21f	100.00s	991.63	0.00	10.397s	852.23
-0.208	3.25f	105.00s	991.63	0.00	9.871s	902.93
-1.172	3.29f	110.00s	991.63	0.00	9.280s	950.84
-2.116	3.34f	115.00s	991.63	0.00	8.628s	995.63
-3.023	3.43f	120.00s	991.63	0.00	7.919s	1037.03
-3.885	3.55f	125.00s	991.63	0.01a	7.157s	1074.74
-4.680	3.76f	130.00s	991.63	0.01f	6.341s	1108.51
-5.422	3.99f	135.00s	991.63	0.01f	5.509s	1138.14
-6.119	4.20f	140.00s	991.63	0.00	4.696s	1163.64
-6.771	4.39f	145.00s	991.47	0.00	3.938s	1185.21
-7.346	4.55f	150.00s	991.49	0.00	3.252s	1203.15
-7.814	4.60f	155.00s	991.60	0.00	2.634s	1217.84
-8.189	4.59f	160.00s	991.64	0.00	2.070s	1229.58
-8.488	4.58f	165.00s	991.63	0.00	1.526s	1238.56
-8.707	4.59f	170.00s	991.74	0.00	0.976s	1244.82
-8.836	4.62f	175.00s	991.73	0.00	0.400s	1248.27
-8.875	4.63f	178.40s	991.63	0.01f	0.001s	1248.95
-8.881	4.63f	180.00s	991.63	0.00	-0.188s	1248.80

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Residual Righting Arms shown above are in excess of the wind heeling arms derived from this moment (in Ft-LT):
 Stbd heeling moment = 186.68

LIM-----	STABILITY CRITERION-----	Min/Max-----	Margin-----
(1)	Absolute Angle at Equilibrium	< 14.00 deg	13 deg
(2)	Res. Ratio from Roll to abs 60 deg or RAzero	> 1.000	4254%
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	UNDEF

HEELING MOMENT derivation
 Wind speed at 10 meters: 65.4 knots from port, CD: 1.200
 Baseline draft: 12.204, Heel: zero

Part-----	LPA-----	HCP-----	Arm-----	Pressure-----	Moment-----
HULL	889	5.24	10.72	0.00490	46.69
POTS	1056	11.03	16.51	0.00605	105.43
RAIL	12	4.48	9.95	0.00467	0.54
MAST	44	20.42	25.89	0.00709	8.13
HOUSE	197	17.25	22.72	0.00680	30.35
Total wind heeling moment to starboard----->					191.15

Distances in FEET.-----Pressure in LT/SqFt-----Moment in Ft-LT

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RESIDUAL RIGHTING ARMS vs HEEL ANGLE

LCG = 0.00 TCG = 0.00 VCG = 0.00

Origin Depth	Degrees of Trim	Displacement Heel	Weight (LT)	Residual Arms in Trim	in Heel	Area
12.187	1.27f	7.20p	957.64	0.00	2.282p	0.00
12.288	1.29f	2.20p	957.62	0.00	0.837p	-7.80
12.297	1.29f	0.69s	957.64	0.00	0.001s	-9.01
12.281	1.29f	2.80s	957.63	0.00	0.608s	-8.36
12.168	1.27f	7.80s	957.54	0.00	2.052s	-1.71
12.039	1.29f	12.80s	957.64	0.00	3.365s	11.89
11.913	1.40f	17.80s	957.64	0.00	4.540s	31.71
11.741	1.55f	22.80s	957.64	0.00	5.653s	57.21
11.488	1.74f	27.80s	957.64	0.00	6.744s	88.21
11.127	1.93f	32.80s	957.64	0.00	7.844s	124.68
10.654	2.11f	37.80s	957.64	0.00	8.904s	166.56
10.088	2.28f	42.80s	957.63	0.00	9.782s	213.35
9.451	2.44f	47.80s	957.62	0.01f	10.471s	264.06
8.754	2.57f	52.80s	957.64	0.00	11.005s	317.82
7.993	2.68f	57.80s	957.64	0.00	11.401s	373.89
7.640	2.72f	60.00s	957.64	0.00	11.535s	399.17
6.801	2.80f	65.00s	957.64	0.00	11.753s	457.44
5.918	2.86f	70.00s	957.64	0.00	11.860s	516.52
5.532	2.88f	72.13s	957.64	0.00	11.870s	541.85
5.005	2.92f	75.00s	957.64	0.00	11.852s	575.84
4.066	2.98f	80.00s	957.64	0.00	11.739s	634.86
3.107	3.03f	85.00s	957.64	0.00	11.526s	693.07
2.136	3.07f	90.00s	957.64	0.00	11.221s	749.97
1.157	3.10f	95.00s	957.64	0.00	10.832s	805.14
0.178	3.13f	100.00s	957.64	0.00	10.363s	858.16
-0.792	3.16f	105.00s	957.64	0.00	9.822s	908.65
-1.746	3.19f	110.00s	957.64	0.00	9.216s	956.28
-2.678	3.23f	115.00s	957.64	0.00	8.552s	1000.72
-3.579	3.28f	120.00s	957.64	0.00	7.837s	1041.71
-4.430	3.37f	125.00s	957.64	0.00	7.070s	1079.00
-5.212	3.54f	130.00s	957.64	0.00	6.251s	1112.33
-5.936	3.74f	135.00s	957.64	0.00	5.410s	1141.49
-6.607	3.94f	140.00s	957.64	0.00	4.588s	1166.48
-7.226	4.13f	145.00s	957.64	0.00	3.826s	1187.49
-7.772	4.29f	150.00s	957.78	0.00	3.156s	1204.90
-8.216	4.36f	155.00s	957.72	0.00	2.557s	1219.16
-8.575	4.36f	160.00s	957.64	0.00	2.005s	1230.54
-8.864	4.36f	165.00s	957.64	0.00	1.470s	1239.22
-9.082	4.38f	170.00s	957.71	0.00	0.935s	1245.23
-9.212	4.41f	175.00s	957.64	0.00	0.375s	1248.52
-9.250	4.42f	178.26s	957.64	0.01f	0.000s	1249.13
-9.256	4.42f	180.00s	957.64	0.00	-0.200s	1248.96

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

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Note: The Residual Righting Arms shown above are in excess of the wind heeling arms derived from this moment (in Ft-LT):
 Stbd heeling moment = 191.15

LIM	STABILITY CRITERION	Min/Max	Margin
(1)	Absolute Angle at Equilibrium	< 14.00 deg	13 deg
(2)	Res. Ratio from Roll to abs 60 deg or RAzero	> 1.000	4432%
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	UNDEF

HEELING MOMENT derivation
 Wind speed at 10 meters: 65.4 knots from port, CD: 1.200
 Baseline draft: 12.204, Heel: zero

Part	LPA	HCP	Arm	Pressure	Moment	
HULL	889	5.24	10.72	0.00490	46.69	
POTS	1056	11.03	16.51	0.00605	105.43	
RAIL	12	4.48	9.95	0.00467	0.54	
MAST	44	20.42	25.89	0.00709	8.13	
HOUSE	197	17.25	22.72	0.00680	30.35	
Total wind heeling moment to starboard-->					191.15	
Distances in FEET-----					Pressure in LT/SqFt-----	Moment in Ft-LT

RESIDUAL RIGHTING ARMS vs HEEL ANGLE

LCG = 0.00 TCG = 0.00 VCG = 0.00

Origin	Degrees of	Displacement	Residual Arms	Area
Depth	Trim	Heel	Weight (LT)	in Trim--in Heel -->
12.187	1.27f	7.20p	957.64	0.00 2.282p 0.00
12.288	1.29f	2.20p	957.62	0.00 0.836p -7.79
12.297	1.29f	0.69s	957.64	0.00 0.001s -9.00
12.281	1.29f	2.80s	957.63	0.00 0.609s -8.36
12.168	1.27f	7.80s	957.57	0.00 2.053s -1.71
12.040	1.29f	12.80s	957.78	0.00 3.365s 11.89
11.913	1.40f	17.80s	957.64	0.00 4.540s 31.71
11.740	1.55f	22.80s	957.64	0.00 5.653s 57.22
11.488	1.74f	27.80s	957.64	0.00 6.744s 88.22
11.127	1.93f	32.80s	957.64	0.00 7.844s 124.69
10.654	2.11f	37.80s	957.64	0.00 8.904s 166.57
10.088	2.28f	42.80s	957.63	0.00 9.782s 213.36
9.451	2.44f	47.80s	957.62	0.01f 10.471s 264.08
8.754	2.57f	52.80s	957.64	0.00 11.005s 317.83
7.993	2.68f	57.80s	957.64	0.00 11.401s 373.90
7.640	2.72f	60.00s	957.64	0.00 11.535s 399.17
6.801	2.80f	65.00s	957.64	0.00 11.753s 457.44
5.918	2.86f	70.00s	957.64	0.00 11.860s 516.52
5.529	2.88f	72.13s	957.50	0.00 11.870s 541.83
5.005	2.92f	75.00s	957.64	0.00 11.852s 575.84
4.069	2.98f	80.00s	957.79	0.00 11.738s 634.86

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3.107	3.03f	85.00s	957.64	0.00	11.526s	693.07
2.136	3.07f	90.00s	957.64	0.00	11.221s	749.97
1.160	3.10f	95.00s	957.79	0.00	10.832s	805.14
0.181	3.13f	100.00s	957.80	0.00	10.363s	858.16
-0.792	3.16f	105.00s	957.64	0.00	9.822s	908.66
-1.746	3.19f	110.00s	957.64	0.00	9.216s	956.28
-2.678	3.23f	115.00s	957.64	0.00	8.552s	1000.72
-3.579	3.28f	120.00s	957.64	0.00	7.837s	1041.72
-4.430	3.37f	125.00s	957.64	0.00	7.070s	1079.01
-5.212	3.54f	130.00s	957.64	0.00	6.251s	1112.33
-5.936	3.74f	135.00s	957.64	0.00	5.410s	1141.49
-6.606	3.94f	140.00s	957.67	0.00	4.588s	1166.48
-7.226	4.13f	145.00s	957.64	0.00	3.826s	1187.49
-7.773	4.29f	150.00s	957.64	0.00	3.155s	1204.90
-8.218	4.36f	155.00s	957.58	0.00	2.557s	1219.15
-8.575	4.36f	160.00s	957.64	0.00	2.005s	1230.54
-8.864	4.36f	165.00s	957.64	0.00	1.470s	1239.22
-9.082	4.38f	170.00s	957.65	0.00	0.935s	1245.23
-9.211	4.41f	175.00s	957.77	0.00	0.375s	1248.52
-9.250	4.42f	178.26s	957.64	0.01f	0.000s	1249.13
-9.256	4.42f	180.00s	957.64	0.00	-0.200s	1248.96

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Residual Righting Arms shown above are in excess of the wind heeling arms derived from this moment (in Ft-LT):
 Stbd heeling moment = 191.15

LIM-----	STABILITY CRITERION-----	Min/Max-----	Margin-----
(1)	Absolute Angle at Equilibrium	< 14.00 deg	13 deg
(2)	Res. Ratio from Roll to abs. 60 deg or RAzero	> 1.000	4434%
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	UNDEF

HEELING MOMENT derivation
 Wind speed at 10 meters: 65.4 knots from port, CD: 1.200
 Baseline draft: 12.204, Heel: zero

Part-----	LPA-----	HCP-----	Arm-----	Pressure-----	Moment-----
HULL	889	5.24	10.72	0.00490	46.69
POTS	1056	11.03	16.51	0.00605	105.43
RAIL	12	4.48	9.95	0.00467	0.54
MAST	44	20.42	25.89	0.00709	8.13
HOUSE	197	17.25	22.72	0.00680	30.35
Total wind heeling moment to starboard----->					191.15

Distances in FEET.-----Pressure in LT/SqFt-----Moment in Ft-LT

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 GHS 6.44
 HOLDS 1 AND 3 FLOODED

SCANDIES ROSE

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RESIDUAL RIGHTING ARMS vs HEEL ANGLE

LCG = 0.00 TCG = 0.00 VCG = 0.00

Origin Depth	Degrees of Trim	Heel	Displacement Weight (LT)	Residual Arms in Trim	in Heel	Area
12.186	1.27f	7.20p	957.58	0.00	2.282p	0.00
12.287	1.29f	2.20p	957.62	0.00	0.836p	-7.80
12.297	1.29f	0.69s	957.64	0.00	0.001s	-9.00
12.281	1.29f	2.80s	957.63	0.00	0.608s	-8.36
12.170	1.27f	7.80s	957.70	0.00	2.053s	-1.71
12.039	1.29f	12.80s	957.62	0.00	3.365s	11.89
11.913	1.40f	17.80s	957.64	0.00	4.540s	31.71
11.740	1.55f	22.80s	957.64	0.00	5.653s	57.22
11.488	1.74f	27.80s	957.64	0.00	6.744s	88.22
11.126	1.93f	32.80s	957.52	0.00	7.845s	124.69
10.655	2.11f	37.80s	957.77	0.00	8.903s	166.58
10.088	2.28f	42.80s	957.64	0.00	9.782s	213.36
9.451	2.44f	47.80s	957.63	0.01f	10.471s	264.08
8.754	2.57f	52.80s	957.64	0.00	11.005s	317.83
7.993	2.68f	57.80s	957.64	0.00	11.401s	373.90
7.641	2.72f	60.00s	957.74	0.00	11.534s	399.17
6.801	2.80f	65.00s	957.64	0.00	11.753s	457.44
5.920	2.86f	70.00s	957.75	0.00	11.859s	516.52
5.530	2.88f	72.14s	957.59	0.00	11.870s	541.88
5.006	2.92f	75.00s	957.71	0.00	11.852s	575.84
4.068	2.98f	80.00s	957.72	0.00	11.739s	634.86
3.109	3.03f	85.00s	957.73	0.00	11.526s	693.07
2.137	3.07f	90.00s	957.71	0.00	11.221s	749.97
1.157	3.10f	95.00s	957.64	0.00	10.832s	805.14
0.179	3.13f	100.00s	957.68	0.00	10.363s	858.16
-0.792	3.16f	105.00s	957.68	0.00	9.822s	908.65
-1.746	3.19f	110.00s	957.67	0.00	9.216s	956.28
-2.677	3.23f	115.00s	957.67	0.00	8.552s	1000.72
-3.579	3.28f	120.00s	957.62	0.00	7.837s	1041.71
-4.430	3.37f	125.00s	957.64	0.00	7.070s	1079.00
-5.212	3.54f	130.00s	957.63	0.00	6.251s	1112.33
-5.936	3.74f	135.00s	957.63	0.00	5.410s	1141.49
-6.607	3.94f	140.00s	957.64	0.00	4.588s	1166.48
-7.226	4.13f	145.00s	957.64	0.00	3.826s	1187.49
-7.773	4.29f	150.00s	957.64	0.00	3.155s	1204.90
-8.217	4.36f	155.00s	957.64	0.00	2.557s	1219.15
-8.575	4.36f	160.00s	957.64	0.00	2.005s	1230.54
-8.864	4.36f	165.00s	957.64	0.00	1.470s	1239.22
-9.082	4.38f	170.00s	957.64	0.00	0.935s	1245.23
-9.213	4.41f	175.00s	957.54	0.00	0.375s	1248.51
-9.250	4.42f	178.26s	957.64	0.01f	0.000s	1249.13
-9.256	4.42f	180.00s	957.64	0.00	-0.200s	1248.95

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

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 GHS 6.44
 HOLDS 1 AND 3 FLOODED

SCANDIES ROSE

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Note: The Residual Righting Arms shown above are in excess of the
 wind heeling arms derived from this moment (in Ft-LT):
 Stbd heeling moment = 191.15

LIM-----	STABILITY CRITERION-----	Min/Max-----	Margin-----
(1) Absolute Angle at Equilibrium	<	14.00 deg	13 deg
(2) Res. Ratio from Roll to abs 60 deg or RAzero	>	1.000	4433%
(3) Res. Area Ratio from Roll to Flood or RAzero	>	1.000	UNDEF

HEELING MOMENT derivation
 Wind speed at 10 meters: 65.4 knots from port, CD: 1.200
 Baseline draft: 12.204, Heel: zero

Part-----	LPA-----	HCP-----	Arm-----	Pressure-----	Moment-----	
HULL	889	5.24	10.72	0.00490	46.69	
POTS	1056	11.03	16.51	0.00605	105.43	
RAIL	12	4.48	9.95	0.00467	0.54	
MAST	44	20.42	25.89	0.00709	8.13	
HOUSE	197	17.25	22.72	0.00680	30.35	
Total wind heeling moment to starboard----->					191.15	
Distances in FEET-----					Pressure in LT/SqFt-----	Moment in Ft-LT

RESIDUAL RIGHTING ARMS vs HEEL ANGLE

LCG = 0.00 TCG = 0.00 VCG = 0.00

Origin	Degrees of	Displacement	Residual Arms	Area
Depth	Trim	Heel	Weight (LT)	in Trim
12.187	1.27f	7.20p	957.64	0.00
12.288	1.29f	2.20p	957.62	0.00
12.297	1.29f	0.69s	957.64	0.00
12.281	1.29f	2.80s	957.63	0.00
12.168	1.27f	7.80s	957.57	0.00
12.040	1.29f	12.80s	957.78	0.00
11.913	1.40f	17.80s	957.64	0.00
11.740	1.55f	22.80s	957.64	0.00
11.488	1.74f	27.80s	957.64	0.00
11.127	1.93f	32.80s	957.64	0.00
10.654	2.11f	37.80s	957.64	0.00
10.088	2.28f	42.80s	957.63	0.00
9.451	2.44f	47.80s	957.62	0.01f
8.754	2.57f	52.80s	957.64	0.00
7.993	2.68f	57.80s	957.64	0.00
7.640	2.72f	60.00s	957.64	0.00
6.801	2.80f	65.00s	957.64	0.00
5.918	2.86f	70.00s	957.64	0.00
5.529	2.88f	72.13s	957.50	0.00
5.005	2.92f	75.00s	957.64	0.00
4.069	2.98f	80.00s	957.79	0.00

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 GHS 6.44
 HOLD 2 ONLY

SCANDIES ROSE

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3.107	3.03f	85.00s	957.64	0.00	11.526s	693.07
2.136	3.07f	90.00s	957.64	0.00	11.221s	749.97
1.160	3.10f	95.00s	957.79	0.00	10.832s	805.14
0.181	3.13f	100.00s	957.80	0.00	10.363s	858.16
-0.792	3.16f	105.00s	957.64	0.00	9.822s	908.65
-1.746	3.19f	110.00s	957.64	0.00	9.216s	956.28
-2.678	3.23f	115.00s	957.64	0.00	8.552s	1000.72
-3.579	3.28f	120.00s	957.64	0.00	7.837s	1041.72
-4.430	3.37f	125.00s	957.64	0.00	7.070s	1079.01
-5.212	3.54f	130.00s	957.64	0.00	6.251s	1112.33
-5.936	3.74f	135.00s	957.64	0.00	5.410s	1141.49
-6.606	3.94f	140.00s	957.67	0.00	4.588s	1166.48
-7.226	4.13f	145.00s	957.64	0.00	3.826s	1187.49
-7.773	4.29f	150.00s	957.64	0.00	3.155s	1204.90
-8.218	4.36f	155.00s	957.58	0.00	2.557s	1219.15
-8.575	4.36f	160.00s	957.64	0.00	2.005s	1230.54
-8.864	4.36f	165.00s	957.64	0.00	1.470s	1239.22
-9.082	4.38f	170.00s	957.65	0.00	0.935s	1245.23
-9.211	4.41f	175.00s	957.77	0.00	0.375s	1248.52
-9.250	4.42f	178.26s	957.64	0.01f	0.000s	1249.13
-9.256	4.42f	180.00s	957.64	0.00	-0.200s	1248.96

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Residual Righting Arms shown above are in excess of the wind heeling arms derived from this moment (in Ft-LT):
 Stbd heeling moment = 191.15

LIM-----	-----STABILITY CRITERION-----	Min/Max-----	Margin
(1) Absolute Angle at Equilibrium	<	14.00 deg	13 deg
(2) Res. Ratio from Roll to abs 60 deg or RAzero	>	1.000	4433%
(3) Res. Area Ratio from Roll to Flood or RAzero	>	1.000	UNDEF

HEELING MOMENT derivation
 Wind speed at 10 meters: 65.4 knots from port, CD: 1.200
 Baseline draft: 11.945, Heel: zero

Part-----	LPA-----	HCP-----	Arm-----	Pressure-----	Moment
HULL	921	5.32	10.67	0.00492	48.36
POTS	1056	11.29	16.64	0.00609	106.97
RAIL	12	4.74	10.09	0.00475	0.56
MAST	44	20.68	26.03	0.00711	8.20
HOUSE	197	17.50	22.86	0.00682	30.65
Total wind heeling moment to starboard----->					194.74

Distances in FEET.-----Pressure in LT/SqFt-----Moment in Ft-LT

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 GHS 6.44
 HOLD 1 FLOODED

SCANDIES ROSE

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RESIDUAL RIGHTING ARMS vs HEEL ANGLE

LCG = 0.00 TCG = 0.00 VCG = 0.00

Origin Depth	Degrees of Trim	Displacement Heel	Weight (LT)	Residual Arms in Trim	Residual Arms in Heel	Area
11.933	1.22f	7.06p	930.65	0.00	2.259p	0.00
12.027	1.24f	2.06p	930.63	0.00	0.807p	-7.66
12.036	1.24f	0.72s	930.64	0.00	0.001s	-8.78
12.019	1.24f	2.94s	930.64	0.00	0.645s	-8.06
11.905	1.22f	7.94s	930.68	0.00	2.098s	-1.21
11.748	1.23f	12.94s	930.57	0.00	3.452s	12.71
11.600	1.32f	17.94s	930.65	0.00	4.651s	33.03
11.414	1.48f	22.94s	930.64	0.00	5.774s	59.12
11.157	1.67f	27.94s	930.64	0.00	6.866s	90.74
10.797	1.87f	32.94s	930.64	0.00	7.959s	127.80
10.308	2.07f	37.94s	930.65	0.00	9.008s	170.24
9.718	2.25f	42.94s	930.65	0.00	9.879s	217.53
9.056	2.41f	47.94s	930.64	0.01f	10.562s	268.71
8.335	2.54f	52.94s	930.64	0.00	11.085s	322.90
7.553	2.65f	57.94s	930.65	0.00	11.471s	379.34
7.219	2.69f	60.00s	930.77	0.00	11.592s	403.07
6.364	2.77f	65.00s	930.65	0.00	11.801s	461.60
5.470	2.83f	70.00s	930.73	0.00	11.897s	520.89
5.140	2.85f	71.79s	930.65	0.00	11.904s	542.16
4.545	2.88f	75.00s	930.75	0.00	11.881s	580.38
3.599	2.93f	80.00s	930.74	0.00	11.757s	639.52
2.639	2.99f	85.00s	930.77	0.00	11.535s	697.79
1.667	3.03f	90.00s	930.75	0.00	11.219s	754.72
0.691	3.06f	95.00s	930.74	0.00	10.817s	809.84
-0.285	3.08f	100.00s	930.70	0.00	10.337s	862.76
-1.249	3.10f	105.00s	930.70	0.00	9.784s	913.09
-2.195	3.13f	110.00s	930.70	0.00	9.167s	960.50
-3.117	3.15f	115.00s	930.70	0.00	8.492s	1004.67
-4.008	3.19f	120.00s	930.71	0.00	7.767s	1045.34
-4.854	3.25f	125.00s	930.64	0.00	6.998s	1082.27
-5.631	3.38f	130.00s	930.65	0.00	6.180s	1115.24
-6.337	3.56f	135.00s	930.65	0.00	5.333s	1144.03
-6.989	3.75f	140.00s	930.64	0.00	4.505s	1168.62
-7.583	3.93f	145.00s	930.64	0.00	3.741s	1189.21
-8.108	4.10f	150.00s	930.65	0.00	3.081s	1206.22
-8.532	4.18f	155.00s	930.65	0.00	2.498s	1220.14
-8.877	4.19f	160.00s	930.54	0.00	1.954s	1231.25
-9.158	4.19f	165.00s	930.65	0.01a	1.424s	1239.69
-9.374	4.22f	170.00s	930.65	0.00	0.899s	1245.50
-9.506	4.25f	175.00s	930.59	0.00	0.352s	1248.63
-9.542	4.26f	178.14s	930.64	0.01f	0.000s	1249.19
-9.549	4.26f	180.00s	930.64	0.00	-0.209s	1248.99

Distances in FEET.--Specific Gravity = 1.025.----Area in Ft-Deg.

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GHS 6.44
HOLD 1 FLOODED

SCANDIES ROSE

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Note: The Residual Righting Arms shown above are in excess of the
wind heeling arms derived from this moment (in Ft-LT):
Stbd heeling moment = 194.74

LIM-----	STABILITY CRITERION-----	Min/Max-----	Margin-----
(1) Absolute Angle at Equilibrium	<	14.00 deg	13 deg
(2) Res. Ratio from Roll to abs 60 deg or RAZero	>	1.000	4590%
(3) Res. Area Ratio from Roll to Flood or RAZero	>	1.000	UNDEF

04-05-12 02:23:38
GHS 6.44
CONDITION 1 WITH BAIT ADDED

SCANDIES ROSE

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WEIGHT and DISPLACEMENT STATUS

Baseline draft: 13.209 @ Origin, Trim: Fwd 0.50 deg., Heel: Port 2.50 deg.

Part	Weight (LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP	548.32	3.30a	0.00	14.69			
Crew & Effects	1.00	5.00a	0.00	18.00			
Stores	1.50	15.00a	0.00	16.00			
Bait	8.92	30.00f	8.00p	17.00			
1st tier 88 pots	32.80	8.50f	0.00	18.75			
2nd tier 40 pots	14.91	8.50f	0.00	23.67			
3rd tier 40 pots	14.91	8.50f	0.00	26.50			
4th tier 40 pots	14.91	8.50f	0.00	29.33			
Ice on hull	16.08	3.89f	0.00	21.37			
Total Fixed	653.35	1.30a	0.11p	15.91			
	Load	SpGr					
FWDWING.P	0.980	0.870	9.01	28.98f	12.94p	6.91	-9.05
FWDWING.S	0.980	0.870	9.01	29.00f	12.91s	6.91	-10.20
MIDWING.P	0.980	0.870	19.55	11.49f	13.62p	6.03	-9.14
MIDWING.S	0.980	0.870	19.55	11.49f	13.59s	6.03	-10.34
AFTWING.P	0.980	0.870	19.88	6.97a	13.80p	5.79	-9.29
AFTWING.S	0.980	0.870	19.88	6.97a	13.77s	5.79	-10.50
WATER.P	1.000	1.000	24.87	29.23a	13.97p	8.63	
WATER.S	1.000	1.000	24.87	29.23a	13.97s	8.63	
LUBEOIL.P	0.980	0.924	4.76	43.86a	7.25p	9.57	-14.33
DAYTANK.P	0.980	0.870	11.70	56.14a	10.26p	11.29	-14.42
SEWAGE.S	0.500	1.025	7.03	55.86a	9.90s	9.69	-12.31
HOLD2.C	1.000	1.025	125.63	12.11f	0.00	8.99	
HOLD3.C	1.000	1.025	110.41	7.15a	0.00	8.79	
Total Tanks			406.14	3.17a	0.21p	8.29	
Total Weight			1,059.49	2.01a	0.15p	12.99	
		Displ(LT)	LCB	TCB	VCB		
HULL	1.025	1,059.51	1.97a	0.37p	7.79		-13.20
Righting Arms:			0.00	-0.00p			
Distances in FEET.							

HYDROSTATIC PROPERTIES

Trim: Fwd 0.50 deg., Heel: Port 2.50 deg., VCG = 12.99

LCF	Displacement	Buoyancy-Ctr.	Weight/	Moment/
Draft	Weight (LT)	LCB	VCB	Inch
13.174	1,059.51	1.97a	7.79	8.81
				4.05a
Distances in FEET.-----Specific Gravity = 1.025.-----Moment in Ft-LT.				
Draft is from Baseline. True Free Surface included.				

2-10-10 09:55
HS 4.64

SCANDIES ROSE

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SCANDIES

WEIGHT and DISPLACEMENT STATUS

Draft = 13.704 @ Origin, Trim = Aft 0.86 degrees, Heel = Port 0.61 degrees

Part-----	Weight(LT)----	LCG-----	TCG-----	VCG-----			
LIGHT SHIP	500.00	10.00a	0.00	14.25			
Crew & Stores	3.00	33.00a	0.00	16.00			
1st tier 80 pots	28.57	3.00f	0.00	19.00			
2nd tier 44 pots	14.11	3.00f	0.00	23.83			
3rd tier 44 pots	14.11	3.00f	0.00	26.50			
4th tier 44 pots	14.11	3.00f	0.00	29.17			
Total Fixed----->	573.90	8.51a	0.00	15.40			
	Load-----	SpGr			Ref Ht		
FWDWING.P	0.980	0.870	9.01	28.90f	12.93p	6.91	-10.18
FWDWING.S	0.980	0.870	9.01	28.90f	12.93s	6.91	-10.47
MIDWING.P	0.980	0.870	19.55	11.38f	13.61p	6.03	-9.88
MIDWING.S	0.980	0.870	19.55	11.38f	13.60s	6.03	-10.17
AFTWING.P	0.980	0.870	19.88	7.05a	13.79p	5.78	-9.58
AFTWING.S	0.980	0.870	19.88	7.05a	13.78s	5.78	-9.88
DBLBTM.C	0.980	0.870	11.42	29.02f	0.09p	2.28	-3.71
DIRTYOIL.P	0.500	0.924	1.85	17.00a	13.77p	4.93	-7.75
DIRTYOIL.S	0.500	0.924	1.85	17.00a	13.76s	4.93	-8.04
WATER.P	1.000	1.000	24.87	29.23a	13.97p	8.63	
WATER.S	1.000	1.000	24.87	29.23a	13.97s	8.63	
AFTFUEL.P	0.980	0.870	19.23	46.00a	11.59p	10.17	-13.49
AFTFUEL.S	0.980	0.870	23.71	45.60a	10.75s	10.06	-13.73
LUBEOIL.P	0.980	0.924	4.76	43.87a	7.24p	9.57	-13.53
DAYTANK.P	0.980	0.870	11.70	56.16a	10.23p	11.29	-13.43
SEWAGE.S	0.500	1.025	7.03	55.89a	9.96s	9.69	-10.65
HOLD.C	1.000	1.025	320.61	11.46f	0.00	8.52	
Total Tanks----->			548.77	0.09a	0.10p	8.15	
Total Weight----->			1,122.67	4.40a	0.05p	11.86	
			Displ(LT)----	LCB-----	TCB-----	VCB-----	
HULL		1.025	1,122.52	4.45a	0.09p	8.11	-13.70
Righting Arms:				0.00	-0.00p		
Distances in FEET.-----							

HYDROSTATIC PROPERTIES

Trim = Aft 0.86 degrees, Heel = Port 0.61 degrees, VCG = 11.86

LCF	Displacement	Buoyancy Ctr.	Weight/	Moment/
Draft-----	Weight(LT)----	LCB-----	VCB-----	Inch-----
LCF--	Deg trim--	GML-----	GMT	
13.772	1,122.52	4.45a	8.11	8.81
4.54a	1863.74	95.1	4.12	
Distances in FEET.-----Specific Gravity = 1.025.-----Moment in Ft-LT.				
Free Surface included.				

2-10-10 09:55
HS 4.64

SCANDIES ROSE

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SCANDIES

RIGHTING ARMS vs HEEL ANGLE

Fixed CG: LCG = 8.51a TCG = 0.00 VCG = 15.39

Origin Depth	Degrees of		Displacement Weight(LT)	Righting Arms		Area
	Trim	Heel		in Trim	in Heel	
13.702	0.86a	0.61p	1,122.52	0.00	-0.002p	0.00
13.694	0.87a	4.39s	1,122.75	0.00	0.325s	0.82
13.683	0.85a	9.39s	1,122.71	0.00	0.533s	3.01
13.644	0.75a	14.39s	1,122.65	0.00	0.682s	6.07
13.554	0.58a	19.39s	1,122.69	0.00	0.810s	9.81
13.383	0.37a	24.39s	1,122.70	0.00	0.957s	14.22
13.118	0.18a	29.39s	1,122.60	0.00	1.127s	19.42
12.789	0.12a	34.39s	1,122.66	0.00	1.266s	25.41
12.418	0.13a	39.39s	1,122.77	0.00	1.362s	32.00
12.076	0.17a	43.53s	1,122.69	0.01f	1.396s	37.74
11.999	0.18a	44.39s	1,122.68	0.00	1.395s	38.92
11.500	0.24a	49.39s	1,122.67	0.01f	1.336s	45.78
10.919	0.31a	54.39s	1,122.64	0.01f	1.220s	52.20
10.260	0.40a	59.39s	1,122.63	0.00	1.048s	57.89

Distances in FEET.---Specific Gravity = 1.025.----Area in Ft-Deg.

Note: The Center of Gravity shown above is for the Fixed Weight of 573.90 LT. As the tank load centers shift with heel and trim, the total Center of Gravity varies. The righting arms shown above include the effect of the C.G. variation.