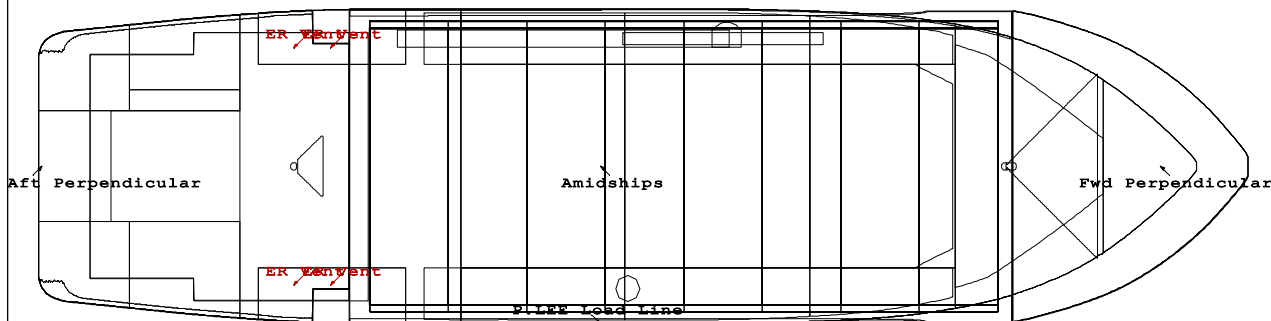
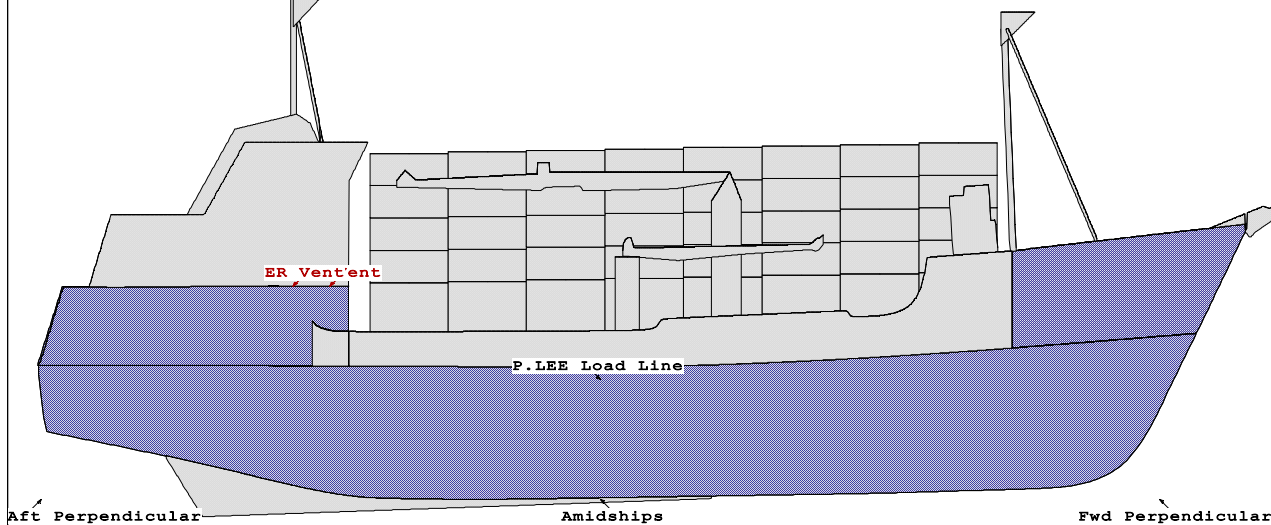


Condition Graphic

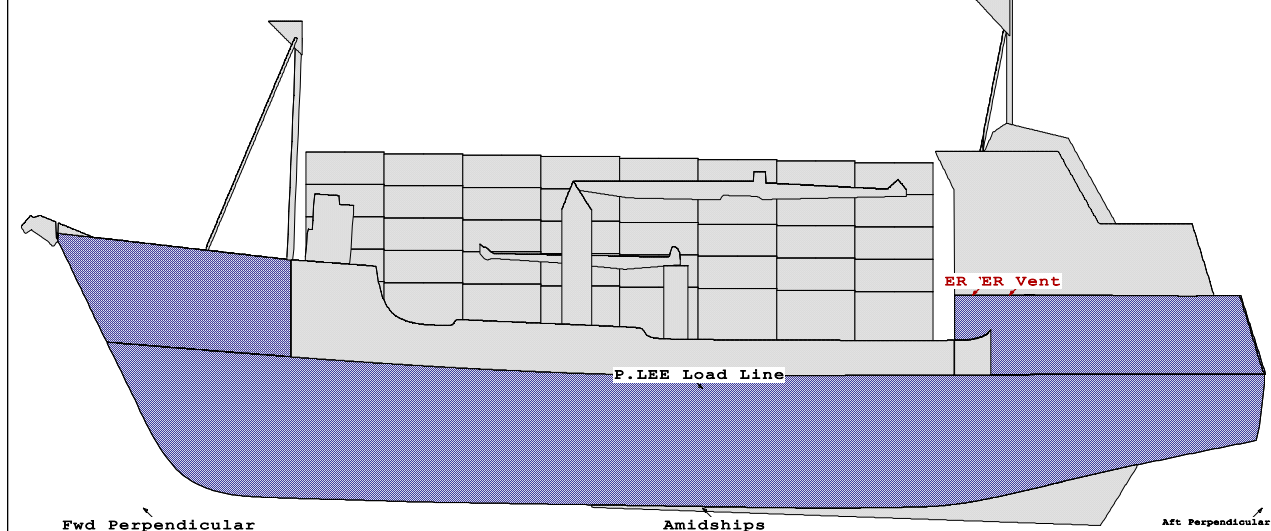
Plan View



Outboard Profile View



Reversed Outboard Profile View



11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB

SR-INV

	Critical Points		LCP	TCP	VCP
(1)	ER Vent	FLOOD	29.30a	12.83s	23.10
(2)	ER Vent	FLOOD	29.30a	12.83p	23.10
(3)	ER Vent	FLOOD	33.29a	12.83s	23.10
(4)	ER Vent	FLOOD	33.29a	12.83p	23.10
(5)	P.LEE Load Line		0.00	17.02	12.96
(10)	Fwd Perpendicular		60.63f	0.00	0.00
(11)	Amidships		0.00	0.00	0.00
(12)	Aft Perpendicular		60.63a	0.00	0.00

Distances in FEET.

HYDROSTATIC PROPERTIES								
No Trim, No Heel, Fixed VCG = 0.00								
LCF Draft	Displacement Weight(LT)	Buoyancy-Ctr. LCB VCB		Weight/Inch	LCF	Moment/In trim	KML	KMT
1.000	10.17	3.68a	0.70	1.99	0.60a	4.85	693.7	39.27
1.250	17.14	2.18a	0.88	2.66	0.48f	7.35	623.8	48.40
1.500	26.13	1.15a	1.05	3.33	1.08f	10.07	560.5	57.47
1.750	37.15	0.44a	1.22	4.01	1.32f	12.84	502.8	66.41
2.000	50.19	0.02f	1.39	4.66	1.45f	15.56	451.1	73.27
2.250	64.78	0.40f	1.56	5.02	1.88f	17.88	401.5	65.99
2.500	80.22	0.71f	1.71	5.26	2.13f	20.03	363.2	57.59
2.750	96.34	0.96f	1.87	5.48	2.29f	22.09	333.7	51.10
3.000	113.06	1.17f	2.02	5.67	2.37f	24.09	310.0	45.97
3.250	130.32	1.33f	2.16	5.84	2.37f	26.05	290.8	41.86
3.500	148.09	1.45f	2.31	6.00	2.31f	27.97	274.8	38.48
3.750	166.31	1.54f	2.45	6.15	2.20f	29.87	261.4	35.68
4.000	184.97	1.60f	2.60	6.29	2.05f	31.78	250.0	33.34
4.250	204.04	1.63f	2.74	6.43	1.84f	33.71	240.4	31.35
4.500	223.52	1.64f	2.88	6.56	1.60f	35.67	232.2	29.66
4.750	243.38	1.62f	3.02	6.69	1.32f	37.66	225.1	28.20
5.000	263.63	1.59f	3.17	6.81	1.00f	39.69	219.0	26.93
5.250	284.25	1.53f	3.31	6.93	0.65f	41.76	213.8	25.82
5.500	305.24	1.46f	3.45	7.06	0.28f	43.88	209.2	24.84
5.750	326.59	1.37f	3.59	7.18	0.12a	46.05	205.2	23.99
6.000	348.30	1.26f	3.74	7.30	0.54a	48.27	201.7	23.23
6.250	370.36	1.14f	3.88	7.41	0.97a	50.53	198.5	22.55
6.500	392.77	1.01f	4.02	7.53	1.41a	52.82	195.7	21.94
6.750	415.52	0.87f	4.16	7.64	1.86a	55.15	193.1	21.39
7.000	438.61	0.71f	4.31	7.75	2.31a	57.50	190.8	20.90
7.250	462.03	0.55f	4.45	7.86	2.76a	59.89	188.6	20.45
7.500	485.78	0.37f	4.59	7.97	3.20a	62.23	186.4	20.04
7.750	509.82	0.20f	4.73	8.06	3.58a	64.36	183.7	19.67
8.000	534.13	0.02f	4.88	8.14	3.89a	66.27	180.5	19.34
8.250	558.67	0.16a	5.02	8.22	4.14a	67.96	177.0	19.03
8.500	583.42	0.33a	5.16	8.28	4.34a	69.44	173.2	18.75
8.750	608.33	0.50a	5.30	8.33	4.48a	70.70	169.1	18.48
9.000	633.40	0.66a	5.45	8.38	4.54a	71.70	164.7	18.22
9.250	658.57	0.81a	5.59	8.41	4.55a	72.49	160.1	17.96
9.500	683.84	0.94a	5.73	8.43	4.51a	73.07	155.5	17.72
9.750	709.17	1.07a	5.87	8.46	4.46a	73.63	151.1	17.49
10.000	734.57	1.19a	6.00	8.48	4.41a	74.19	146.9	17.29
10.250	760.04	1.29a	6.14	8.50	4.35a	74.75	143.1	17.11
10.500	785.58	1.39a	6.28	8.53	4.30a	75.33	139.5	16.95
10.750	811.19	1.48a	6.42	8.55	4.25a	75.91	136.2	16.80
11.000	836.88	1.57a	6.55	8.57	4.20a	76.50	133.0	16.68
11.250	862.63	1.64a	6.69	8.59	4.13a	77.06	130.0	16.56
11.500	888.45	1.72a	6.83	8.62	4.09a	77.70	127.2	16.47
11.750	914.34	1.78a	6.96	8.64	4.04a	78.33	124.6	16.38
12.000	940.31	1.84a	7.10	8.67	3.98a	78.96	122.2	16.31
12.250	966.35	1.90a	7.23	8.69	3.93a	79.60	119.9	16.24
12.500	992.47	1.95a	7.37	8.72	3.87a	80.25	117.6	16.19
12.750	1,018.66	2.00a	7.50	8.74	3.82a	80.91	115.6	16.15
13.000	1,044.92	2.05a	7.64	8.77	3.76a	81.57	113.6	16.11
13.250	1,071.26	2.09a	7.77	8.79	3.71a	82.25	111.7	16.09
13.500	1,097.67	2.13a	7.91	8.82	3.65a	82.94	109.9	16.07
13.750	1,124.15	2.16a	8.04	8.84	3.58a	83.56	108.2	16.05
14.000	1,150.71	2.19a	8.18	8.86	3.52a	84.23	106.5	16.05

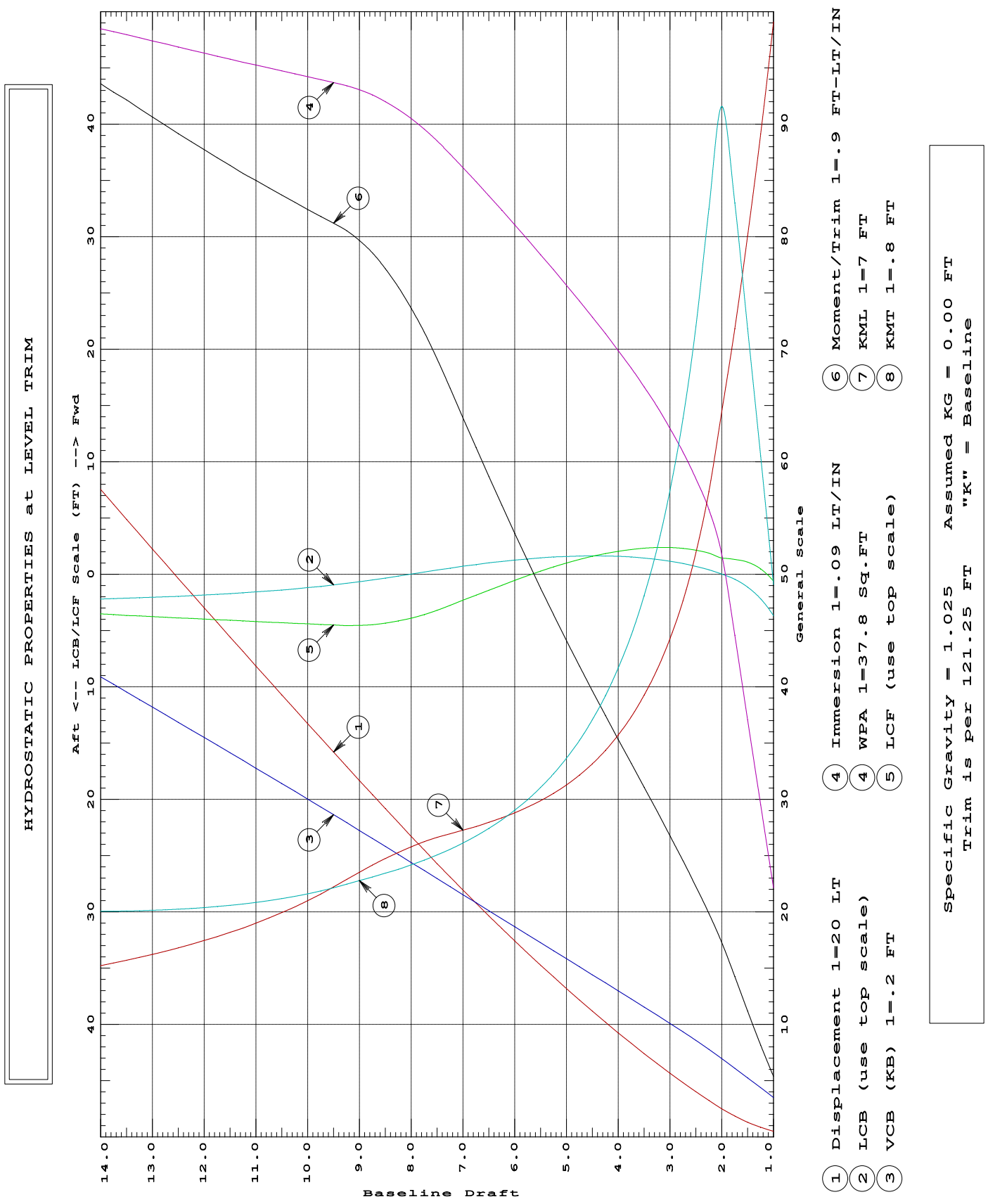
Distances in FEET. Specific Gravity = 1.025. Moment in Ft-LT.
Trim is per 121.25Ft

Draft is from Baseline.

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB

SR-INV



11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
1988 STABILITY BOOK-COND. 1

Page C1
SR-INV

Departure, Full Fuel, 212 Pots
Light Ship Source: Culver1988

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS
Baseline draft: 9.351 @ 60.63f, 11.412 @ 0.00, 13.473 @ 60.63a
Trim: Aft 4.12/121.25, Heel: zero

Part	Weight(LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP Culver1988	485.35	10.74a	0.00	14.09			
Crew and Stores	3.00	33.00a	0.00	16.00			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	0.00	32.76			
POTS-Tier5: 32	12.39	9.00f	3.18s	36.26			
Total Fixed	565.76	8.16a	0.07s	15.89			
Load	SpGr	Weight(LT)	LCG	TCG	VCG		
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
DBLBTM.C	0.524	0.870	7.02	28.57f	0.00	1.74	-3.38
FWDWING.S	1.000	0.870	9.69	29.26f	13.04s	6.68	
FWDWING.P	1.000	0.870	9.69	29.26f	13.04p	6.68	
MIDWING.S	1.000	0.870	19.29	12.41f	13.56s	6.05	
MIDWING.P	1.000	0.870	19.29	12.41f	13.56p	6.05	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
AFTFUEL.S	0.796	0.870	18.64	44.72a	10.63s	9.15	-11.17
AFTFUEL.P	1.000	0.870	17.62	44.69a	11.87p	10.14	
WATER.S	0.871	1.000	23.74	28.84a	13.65s	7.89	-12.03
WATER.P	0.871	1.000	23.74	28.84a	13.65p	7.89	-12.03
LUBEOIL.P	0.695	0.870	4.02	44.78a	7.12p	8.34	-10.08
Total Tanks			329.25	1.08a	0.12p	7.91	
Total Weight			895.01	5.55a	0.00	12.95	
			Displ(LT)	LCB	TCB	VCB	
HULL		1.025	895.01	5.76a	0.00	6.93	-11.41
		Righting Arms:		0.00	0.00		
Part		LPA	LCP	HCP	LPA	LCP	HCP
Displacers		1181.7	1.82a	-5.09	981.4	10.69f	6.23
Sails		98.8	30.42a	-12.09	2475.7	2.51f	15.39
Total Lateral Plane->		1280.5	4.02a	-5.63	3457.1	4.83f	12.79

Distances in FEET.
Least freeboard is 2.10 Ft located at 27.15a

ER Vent (Downflood) Height: 10.55ft PATRICIA LEE Load Line Height: 1.54ft

Note: 212 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	32.496 P

Relative angles measured from 8.080p

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	3.24 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	1.13 P
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	34.63 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	29.32 P
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	21.25 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	8.07 P
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	64.55 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	3.24 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	34.63 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	29.32 P
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	8.07 P
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	26.59 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	5.45 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	2.052 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	2.052 P

Roll angle = 17.71 degrees.

IMO parameters:

K = 0.700 X1 = 0.897 X2 = 0.984 Cb = 0.662
L = 121.41 B = 34.18 D = 11.41 BDR = 2.995
VCG = 12.95 Draft = 11.58 WG = 1.35 R = 0.801
T = 8.9 C = 0.470 GM = 3.24 S = 0.086

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
1988 STABILITY BOOK-COND. 2

Page C2
SR-INV

Arrival on Fishing Grounds, 75% Fuel and Water
Light Ship Source: Culver1988

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 11.073 @ 60.63f, 12.199 @ 0.00, 13.325 @ 60.63a
Trim: Aft 2.25/121.25, Heel: Stbd 0.01 deg.

Part	Weight(LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP Culver1988	485.35	10.74a	0.00	14.09			
Crew and Stores	3.00	33.00a	0.00	16.00			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	0.00	32.76			
POTS-Tier5: 32	12.39	9.00f	2.35s	36.26			
Total Fixed	565.76	8.16a	0.05s	15.89			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
DBLBTM.C	0.524	0.870	7.02	28.84f	0.00s	1.74	-2.92
FWDWING.S	1.000	0.870	9.69	29.26f	13.04s	6.68	
FWDWING.P	1.000	0.870	9.69	29.26f	13.04p	6.68	
MIDWING.S	1.000	0.870	19.29	12.41f	13.56s	6.05	
MIDWING.P	1.000	0.870	19.29	12.41f	13.56p	6.05	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
WATER.S	0.653	1.000	17.80	28.72a	13.59s	6.59	-10.01
WATER.P	0.653	1.000	17.80	28.72a	13.59p	6.59	-10.02
LUBEOIL.P	0.695	0.870	4.02	44.75a	7.12p	8.34	-10.78
Total Tanks			403.29	2.11f	0.07p	7.91	
Total Weight			969.05	3.88a	0.00	12.57	
HULL	Righting Arms:	Displ(LT)	LCB	TCB	VCB	RefHt	
HULL	1.025	969.05	3.98a	0.00	7.27	-12.20	
			0.00	0.00			
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1277.5	0.21f	-5.46	886.1	9.55f	5.90	
Sails	98.8	30.43a	-12.41	2477.6	2.93f	14.55	
Total Lateral Plane->	1376.2	1.99a	-5.96	3363.7	4.67f	12.27	
Distances in FEET.							
Least freeboard is 1.73 Ft located at 27.15a							

ER Vent (Downflood) Height: 10.28ft

PATRICIA LEE Load Line Height: 0.76ft

Note: 212 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	27.918 P
Relative angles measured from 8.114s			

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	3.43 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.95 P
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	39.38 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	24.62 P
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	19.03 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	5.59 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	68.41 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	3.43 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	39.38 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	24.62 P
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	5.59 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	28.51 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	4.64 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	1.620 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	1.620 P

Roll angle = 17.95 degrees.

IMO parameters:

K = 0.700	X1 = 0.930	X2 = 0.987	Cb = 0.666
L = 122.14	B = 34.18	D = 12.20	BDR = 2.802
VCG = 12.57	Draft = 12.28	WG = 0.30	R = 0.745
T = 8.6	C = 0.465	GM = 3.43	S = 0.088

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
1988 STABILITY BOOK-COND. 3

Page C3
SR-INV

Fishing, Moving Pots, 50% Fuel, 212 Pots, 3 Holds Full
Light Ship Source: Culver1988

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 14.042 @ 60.63f, 13.046 @ 0.00, 12.050 @ 60.63a
Trim: Fwd 1.99/121.25, Heel: zero

Part	Weight(LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP Culver1988	485.35	10.74a	0.00	14.09			
Crew and Stores	3.00	33.00a	0.00	16.00			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	0.00	32.76			
POTS-Tier5: 32	12.39	9.00f	1.18s	36.26			
Total Fixed	565.76	8.16a	0.03s	15.89			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
DBLBTM.C	0.525	0.870	7.02	29.46f	0.00	1.73	-1.89
MIDWING.S	0.712	0.870	13.74	12.46f	13.50s	4.90	-7.58
MIDWING.P	0.712	0.870	13.74	12.46f	13.50p	4.90	-7.58
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
WATER.S	0.436	1.000	11.87	28.41a	13.52s	5.24	-8.47
WATER.P	0.436	1.000	11.87	28.41a	13.52p	5.24	-8.47
LUBEOIL.P	0.347	0.870	2.01	44.25a	7.11p	6.68	-9.13
Total Tanks			477.83	8.85f	0.03p	8.26	
Total Weight			1,043.59	0.37a	0.00	12.39	
HULL	Righting Arms:	Displ(LT)	LCB	TCB	VCB	RefHt	
HULL	1.025	1,043.59	0.29a	0.00	7.65	-13.04	
			0.00	0.00			
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1383.8	4.36f	-5.93	779.2	4.56f	5.53	
Sails	98.8	30.42a	-12.20	2475.7	3.86f	13.59	
Total Lateral Plane->	1482.6	2.04f	-6.35	3254.9	4.03f	11.66	
Distances in FEET.							
Least freeboard is 1.27 Ft located at 4.22f							

ER Vent (Downflood) Height: 10.53ft PATRICIA LEE Load Line Height: -0.09ft

Note: 212 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	8.766 P
Relative angles measured from 11.625s			

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	3.53 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.64 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	43.49 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	17.91 P
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	13.78 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	4.13 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	70.46 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	3.53 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	43.49 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	17.91 P
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	4.13 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	24.41 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	3.92 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	< 1.000	1.092 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	1.092 P

Roll angle = 18.08 degrees.

IMO parameters:

K = 0.700	X1 = 0.960	X2 = 0.985	Cb = 0.664
L = 123.44	B = 34.18	D = 13.05	BDR = 2.620
VCG = 12.39	Draft = 12.99	WG = -0.65	R = 0.700
T = 8.4	C = 0.461	GM = 3.53	S = 0.090

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
1988 STABILITY BOOK-COND. 4

Page C4
SR-INV

Fishing, 25% Fuel
Light Ship Source: Culver1988
WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS
Baseline draft: 13.421 @ 60.63f, 12.433 @ 0.00, 11.446 @ 60.63a
Trim: Fwd 1.97/121.25, Heel: zero

Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP Culver1988	485.35	10.74a	0.00	14.09			
Crew and Stores	3.00	33.00a	0.00	16.00			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	0.00	32.76			
POTS-Tier5: 32	12.39	9.00f	0.55s	36.26			
Total Fixed	565.76	8.16a	0.01s	15.89			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
DBLBTM.C	0.525	0.870	7.02	29.46f	0.00	1.73	-1.89
AFTWING.S	0.326	0.870	5.81	6.15a	13.42s	3.13	-4.64
AFTWING.P	0.326	0.870	5.81	6.15a	13.42p	3.13	-4.64
WATER.S	0.218	1.000	5.94	27.76a	13.42s	3.82	-5.79
WATER.P	0.218	1.000	5.94	27.76a	13.42p	3.82	-5.79
LUBEOIL.P	0.173	0.870	1.00	43.36a	7.09p	5.78	-7.50
Total Tanks			413.44	10.71f	0.02p	8.58	
Total Weight			979.20	0.19a	0.00	12.80	
Part	Displ(LT)	LCB	TCB	VCB	RefHt		
HULL	979.20	0.10a	0.00	7.31	-12.43		
Righting Arms:							
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1308.3	4.53f	-5.64	854.8	4.27f	5.63	
Sails	98.8	30.42a	-11.59	2475.7	3.85f	14.20	
Total Lateral Plane->	1407.0	2.08f	-6.06	3330.5	3.96f	12.00	

Least freeboard is 1.89 Ft located at 4.22f

ER Vent (Downflood) Height: 11.14ft

PATRICIA LEE Load Line Height: 0.52ft

Note: 212 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	8.466 P

Relative angles measured from 11.324p

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	3.21 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.65 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	41.80 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	21.13 P
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	15.14 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	6.00 P
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	65.89 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	3.21 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	41.80 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	21.13 P
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	6.00 P
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	23.99 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	4.71 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	1.301 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	1.301 P

Roll angle = 17.90 degrees.

IMO parameters:

K = 0.700	X1 = 0.938	X2 = 0.981	Cb = 0.655
L = 123.05	B = 34.18	D = 12.43	BDR = 2.749
VCG = 12.80	Draft = 12.38	WG = 0.37	R = 0.748
T = 8.8	C = 0.464	GM = 3.21	S = 0.087

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
1988 STABILITY BOOK-COND. 5

Page C5
SR-INV

Burned Out, 10% Fuel, 50 Pots, 3 Holds Full
Light Ship Source: Culver1988

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 12.425 @ 60.63f, 11.747 @ 0.00, 11.069 @ 60.63a

Trim: Fwd 1.36/121.25, Heel: zero

Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP Culver1988	485.35	10.74a	0.00	14.09			
Crew and Stores	3.00	33.00a	0.00	16.00			
POTS-Tier1: 50	19.35	9.00f	0.14s	20.26			
Total Fixed	507.70	10.12a	0.01s	14.34			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
DBLBTM.C	0.524	0.870	7.02	29.36f	0.00	1.73	-2.04
AFTWING.S	0.216	0.870	3.85	6.18a	13.35s	2.65	-3.67
AFTWING.P	0.216	0.870	3.85	6.18a	13.35p	2.65	-3.67
WATER.S	0.087	1.000	2.38	26.20a	13.29s	2.82	-3.93
WATER.P	0.087	1.000	2.38	26.20a	13.29p	2.82	-3.93
LUBEOIL.P	0.069	0.870	0.40	41.83a	7.06p	5.06	-6.17
Total Tanks			401.80	11.65f	0.01p	8.70	
Total Weight			909.50	0.50a	0.00	11.85	
HULL	Righting Arms:	Displ(LT)	LCB	TCB	VCB		
	1.025	909.50	0.44a	0.00	6.94		-11.75
			0.00	0.00			
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1223.5	4.11f	-5.30	939.5	4.72f	5.80	
Sails	98.8	30.42a	-11.06	1523.7	0.20f	12.24	
Total Lateral Plane->	1322.3	1.53f	-5.73	2463.2	1.93f	9.78	

Distances in FEET.

Least freeboard is 2.59 Ft located at 2.71f

ER Vent (Downflood) Height: 11.68ft

PATRICIA LEE Load Line Height: 1.21ft

Note: Heel Corrected by Shifting Pots

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	39.644 P

Relative angles measured from 8.778p

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	4.32 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	1.42 P
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	44.07 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	42.94 P
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	27.42 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	15.52 P
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	82.72 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	4.32 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	44.07 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	42.94 P
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	15.52 P
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	49.84 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	2.28 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	3.115 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	3.115 P

Roll angle = 17.81 degrees.

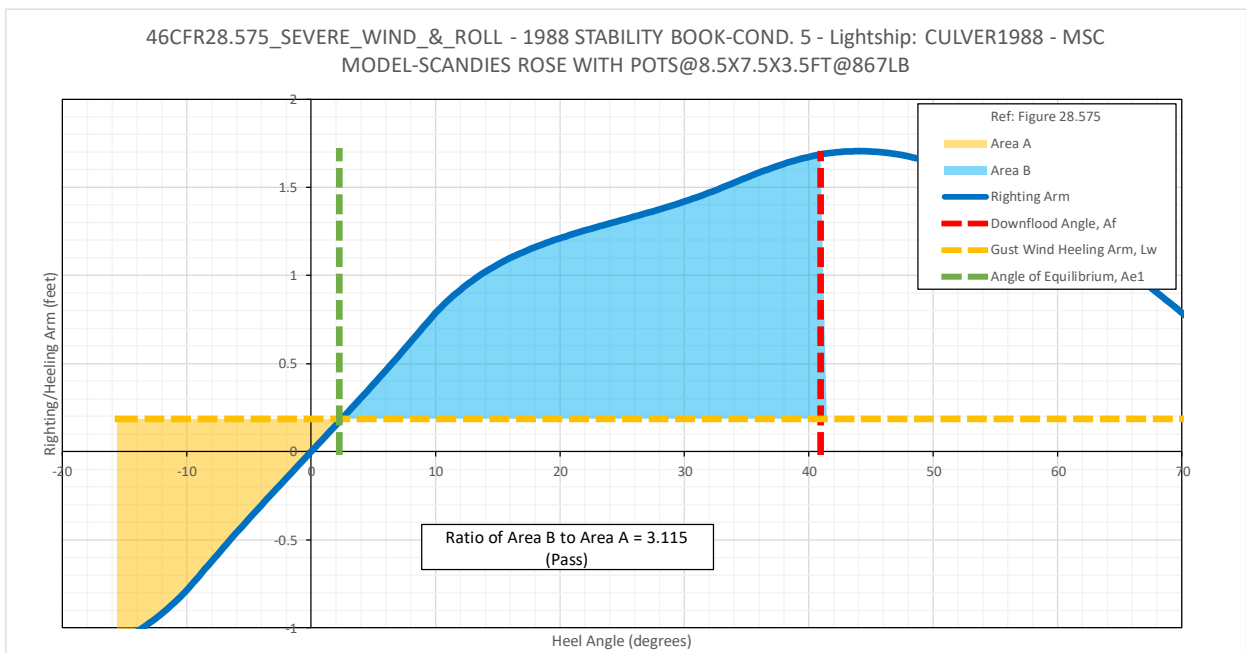
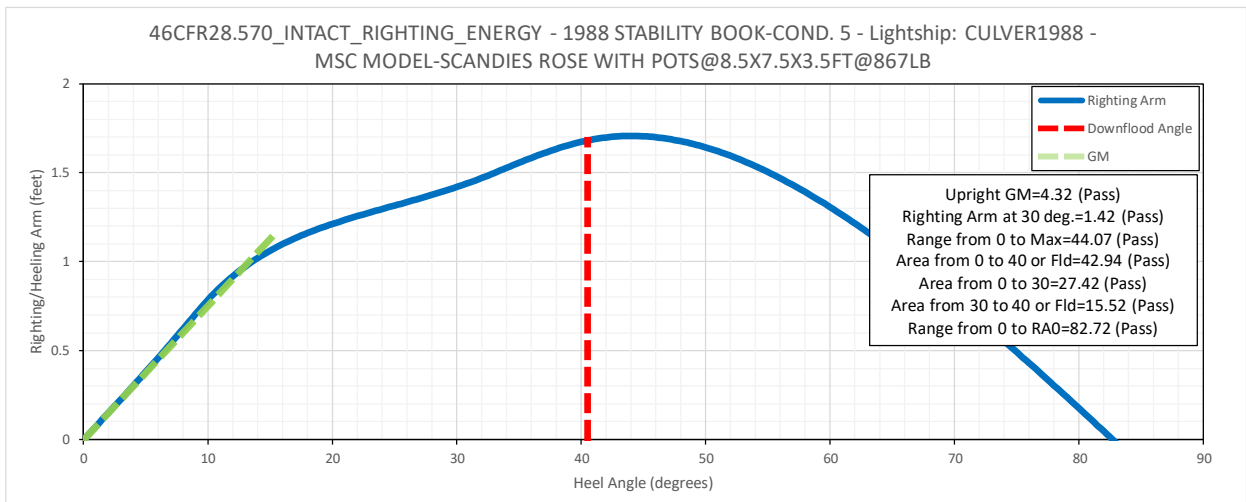
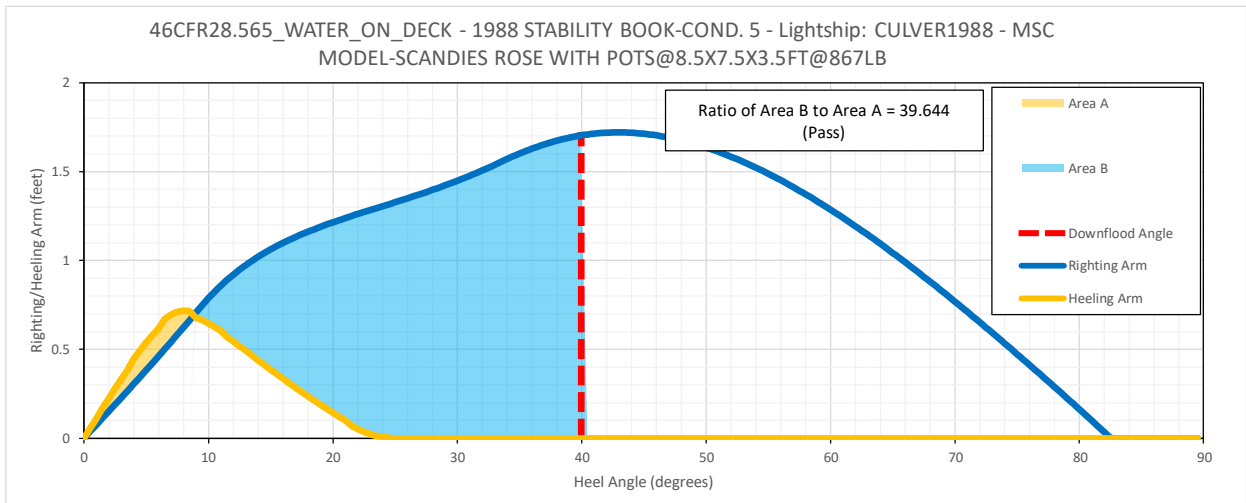
IMO parameters:

K = 0.700
L = 122.50
VCG = 11.85
T = 7.7

X1 = 0.912
B = 34.18
Draft = 11.71
C = 0.468

X2 = 0.977
D = 11.75
WG = 0.10
GM = 4.32

Cb = 0.647
BDR = 2.909
R = 0.735
S = 0.093



11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
1988 STABILITY BOOK-COND. 6

Page C6
SR-INV

Departure, Full Fuel, 3 Holds Full, 168 Pots
Light Ship Source: Culver1988

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS
Baseline draft: 14.150 @ 60.63f, 13.611 @ 0.00, 13.072 @ 60.63a
Trim: Fwd 1.08/121.25, Heel: zero

Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP Culver1988	485.35	10.74a	0.00	14.09			
Crew and Stores	3.00	33.00a	0.00	16.00			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	3.30s	32.76			
Total Fixed	553.38	8.54a	0.07s	15.43			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
DBLBTM.C	0.524	0.870	7.02	29.32f	0.00	1.73	-2.11
FWDWING.S	1.000	0.870	9.69	29.26f	13.04s	6.68	
FWDWING.P	1.000	0.870	9.69	29.26f	13.04p	6.68	
MIDWING.S	1.000	0.870	19.29	12.41f	13.56s	6.05	
MIDWING.P	1.000	0.870	19.29	12.41f	13.56p	6.05	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
AFTFUEL.S	0.398	0.870	9.32	44.28a	10.45s	7.32	-9.61
AFTFUEL.P	0.529	0.870	9.32	44.42a	11.75p	8.06	-10.86
WATER.S	0.871	1.000	23.74	28.74a	13.65s	7.89	-13.29
WATER.P	0.871	1.000	23.74	28.74a	13.65p	7.89	-13.29
LUBEOIL.P	0.695	0.870	4.02	44.70a	7.12p	8.34	-12.02
Total Tanks			552.69	6.01f	0.07p	8.30	
Total Weight			1,106.07	1.27a	0.00	11.87	
Part	Displ(LT)	LCB	TCB	VCB			
HULL	1,106.07	1.23a	0.00	7.96	-13.61		
Righting Arms:							
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1452.7	3.34f	-6.17	710.4	6.41f	5.51	
Sails	98.8	30.42a	-12.99	2237.7	3.05f	12.04	
Total Lateral Plane->	1551.4	1.19f	-6.61	2948.1	3.86f	10.46	

Least freeboard is 0.73 Ft located at 2.10f

ER Vent (Downflood) Height: 9.75ft PATRICIA LEE Load Line Height: -0.65ft

Note: Heel Corrected by Shifting Pots

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	9.972 P

Relative angles measured from 11.251s

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	3.98 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.73 P
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	45.60 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	15.79 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	13.62 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	2.18 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	78.85 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	3.98 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	45.60 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	15.79 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	2.18 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	27.75 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	2.75 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	1.170 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	1.170 P

Roll angle = 18.18 degrees.

IMO parameters:

K = 0.700	X1 = 0.979	X2 = 0.990	Cb = 0.673
L = 123.60	B = 34.18	D = 13.61	BDR = 2.511
VCG = 11.87	Draft = 13.58	WG = -1.73	R = 0.654
T = 7.8	C = 0.458	GM = 3.98	S = 0.093

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
1988 STABILITY BOOK-COND. 1

Page C7
SR-INV

Departure, Full Fuel, 212 Pots
Light Ship Source: MSC1988

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS
Baseline draft: 9.681 @ 60.63f, 10.595 @ 0.00, 11.510 @ 60.63a
Trim: Aft 1.83/121.25, Heel: zero

Part	Weight(LT)	LCG	TCG	VCG	RefHt	
LIGHT SHIP MSC1988	392.54	7.41a	0.00	14.63		
Crew and Stores	3.00	33.00a	0.00	16.00		
POTS-Tier1: 72	27.87	9.00f	0.00	20.26		
POTS-Tier2: 32	12.39	9.00f	0.00	25.76		
POTS-Tier3: 32	12.39	9.00f	0.00	29.26		
POTS-Tier4: 32	12.39	9.00f	0.00	32.76		
POTS-Tier5: 32	12.39	9.00f	3.17s	36.26		
Total Fixed	472.95	4.89a	0.08s	16.69		
Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94
DBLBTM.C	0.524	0.870	7.02	28.90f	0.00	1.73
FWDWING.S	1.000	0.870	9.69	29.26f	13.04s	6.68
FWDWING.P	1.000	0.870	9.69	29.26f	13.04p	6.68
MIDWING.S	1.000	0.870	19.29	12.41f	13.56s	6.05
MIDWING.P	1.000	0.870	19.29	12.41f	13.56p	6.05
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95
AFTFUEL.S	0.796	0.870	18.64	44.68a	10.64s	9.14
AFTFUEL.P	1.000	0.870	17.62	44.69a	11.87p	10.14
WATER.S	0.871	1.000	23.74	28.80a	13.65s	7.89
WATER.P	0.871	1.000	23.73	28.80a	13.65p	7.89
LUBEOIL.P	0.695	0.870	4.02	44.74a	7.12p	8.34
Total Tanks			329.25	1.06a	0.12p	7.91
Total Weight			802.20	3.32a	0.00	13.08
Displ(LT)	LCB	TCB	VCB			
HULL	1.025	802.20	3.42a	0.00	6.38	
Righting Arms:						
Part	LPA	LCP	HCP	LPA	LCP	HCP
Displacers	1082.4	0.77f	-4.70	1080.7	7.38f	6.27
Sails	98.8	30.43a	-10.71	2475.7	3.02f	16.14
Total Lateral Plane->	1181.1	1.83a	-5.20	3556.4	4.34f	13.14
Distances in FEET.						
Least freeboard is 3.43 Ft located at 27.15a						

ER Vent (Downflood) Height: 12.00ft PATRICIA LEE Load Line Height: 2.36ft

Note: 212 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	24.887 P
Relative angles measured from 9.210p			

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	3.45 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	1.41 P
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	31.75 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	40.02 P
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	26.10 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	13.92 P
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	66.49 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	3.45 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	31.75 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	40.02 P
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	13.92 P
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	28.58 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	5.94 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	3.076 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	3.076 P

Roll angle = 17.47 degrees.

IMO parameters:

K = 0.700	X1 = 0.856	X2 = 0.972	Cb = 0.639
L = 121.26	B = 34.18	D = 10.60	BDR = 3.226
VCG = 13.08	Draft = 10.66	WG = 2.44	R = 0.868
T = 8.8	C = 0.476	GM = 3.45	S = 0.087

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
1988 STABILITY BOOK-COND. 2

Page C8
SR-INV

Arrival on Fishing Grounds, 75% Fuel and Water
Light Ship Source: MSC1988

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 11.393 @ 60.63f, 11.383 @ 0.00, 11.372 @ 60.63a
Trim: Fwd 0.02/121.25, Heel: zero

Part	Weight(LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP MSC1988	392.54	7.41a	0.00	14.63			
Crew and Stores	3.00	33.00a	0.00	16.00			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	0.00	32.76			
POTS-Tier5: 32	12.39	9.00f	2.33s	36.26			
Total Fixed	472.95	4.89a	0.06s	16.69			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
DBLBTM.C	0.524	0.870	7.02	29.17f	0.00	1.73	-2.37
FWDWING.S	1.000	0.870	9.69	29.26f	13.04s	6.68	
FWDWING.P	1.000	0.870	9.69	29.26f	13.04p	6.68	
MIDWING.S	1.000	0.870	19.29	12.41f	13.56s	6.05	
MIDWING.P	1.000	0.870	19.29	12.41f	13.56p	6.05	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
WATER.S	0.653	1.000	17.80	28.67a	13.59s	6.59	-10.56
WATER.P	0.653	1.000	17.80	28.67a	13.59p	6.59	-10.56
LUBEOIL.P	0.695	0.870	4.02	44.72a	7.12p	8.34	-11.63
Total Tanks			403.29	2.12f	0.07p	7.91	
Total Weight			876.24	1.66a	0.00	12.65	
Part	Displ(LT)	LCB	TCB	VCB	RefHt		
HULL	876.24	1.66a	0.00	6.76	-11.38		
Righting Arms:							
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1178.4	2.75f	-5.10	984.7	6.04f	5.94	
Sails	98.8	30.43a	-11.03	2475.7	3.42f	15.31	
Total Lateral Plane->	1277.1	0.18f	-5.55	3460.4	4.17f	12.64	
Distances in FEET.							
Least freeboard is 2.97 Ft located at 0.31a							

ER Vent (Downflood) Height: 11.72ft

PATRICIA LEE Load Line Height: 1.57ft

Note: 212 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	24.640 P
Relative angles measured from 9.169s			

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	3.60 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	1.22 P
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	39.43 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	36.72 P
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	23.99 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	12.73 P
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	70.79 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	3.60 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	39.43 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	36.72 P
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	12.73 P
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	35.97 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	5.05 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	2.521 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	2.521 P

Roll angle = 17.77 degrees.

IMO parameters:

K = 0.700	X1 = 0.896	X2 = 0.976	Cb = 0.646
L = 122.03	B = 34.18	D = 11.38	BDR = 3.003
VCG = 12.65	Draft = 11.38	WG = 1.27	R = 0.797
T = 8.5	C = 0.470	GM = 3.60	S = 0.089

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
1988 STABILITY BOOK-COND. 3

Page C9
SR-INV

Fishing, Moving Pots, 50% Fuel, 212 Pots, 3 Holds Full
Light Ship Source: MSC1988

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 14.367 @ 60.63f, 12.225 @ 0.00, 10.084 @ 60.63a

Trim: Fwd 4.28/121.25, Heel: zero

Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP MSC1988	392.54	7.41a	0.00	14.63			
Crew and Stores	3.00	33.00a	0.00	16.00			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	0.00	32.76			
POTS-Tier5: 32	12.39	9.00f	1.15s	36.26			
Total Fixed	472.95	4.89a	0.03s	16.69			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
DBLBTM.C	0.525	0.870	7.02	29.81f	0.00	1.74	-1.32
MIDWING.S	0.712	0.870	13.74	12.57f	13.50s	4.90	-7.34
MIDWING.P	0.712	0.870	13.74	12.57f	13.50p	4.90	-7.34
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
WATER.S	0.436	1.000	11.87	28.34a	13.52s	5.24	-9.01
WATER.P	0.436	1.000	11.87	28.34a	13.52p	5.24	-9.01
LUBEOIL.P	0.347	0.870	2.01	44.18a	7.11p	6.68	-9.98
Total Tanks			477.83	8.86f	0.03p	8.26	
Total Weight			950.78	2.02f	0.00	12.45	
HULL	1.025		Disp(LT)	LCB	TCB	VCB	
HULL	1.025		950.78	2.21f	0.00	7.22	-12.22
Righting Arms:				0.00	0.00		
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1285.1	7.03f	-5.64	878.0	1.16f	5.64	
Sails	98.8	30.39a	-10.80	2475.7	4.36f	14.34	
Total Lateral Plane->	1383.9	4.36f	-6.01	3353.7	3.52f	12.06	
Distances in FEET.							
Least freeboard is 1.92 Ft located at 13.27f							

ER Vent (Downflood) Height: 11.90ft

PATRICIA LEE Load Line Height: 0.73ft

Note: 212 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	14.755 P
Relative angles measured from 11.318p			

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	3.71 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.86 P
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	43.89 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	28.41 P
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	18.71 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	9.71 P
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	72.86 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	3.71 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	43.89 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	28.41 P
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	9.71 P
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	32.73 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	4.22 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	< 1.000	1.874 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	1.874 P

Roll angle = 17.88 degrees.

IMO parameters:

K = 0.700
L = 123.43
VCG = 12.45
T = 8.3

X1 = 0.931
B = 34.18
Draft = 12.12
C = 0.465

X2 = 0.976
D = 12.23
WG = 0.15
GM = 3.71

Cb = 0.645
BDR = 2.796
R = 0.738
S = 0.090

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
1988 STABILITY BOOK-COND. 4

Page C10
SR-INV

Fishing, 25% Fuel
Light Ship Source: MSC1988

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 13.754 @ 60.63f, 11.610 @ 0.00, 9.466 @ 60.63a
Trim: Fwd 4.29/121.25, Heel: zero

Part	Weight(LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP MSC1988	392.54	7.41a	0.00	14.63			
Crew and Stores	3.00	33.00a	0.00	16.00			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	0.00	32.76			
POTS-Tier5: 32	12.39	9.00f	0.57s	36.26			
Total Fixed	472.95	4.89a	0.01s	16.69			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
DBLBTM.C	0.525	0.870	7.02	29.81f	0.00	1.74	-1.32
AFTWING.S	0.326	0.870	5.81	5.97a	13.42s	3.13	-4.76
AFTWING.P	0.326	0.870	5.81	5.97a	13.42p	3.13	-4.76
WATER.S	0.218	1.000	5.94	27.61a	13.42s	3.82	-6.34
WATER.P	0.218	1.000	5.94	27.61a	13.42p	3.82	-6.34
LUBEOIL.P	0.173	0.870	1.00	43.22a	7.09p	5.78	-8.36
Total Tanks			413.44	10.73f	0.02p	8.58	
Total Weight			886.39	2.40f	0.00	12.91	
Part	Displ(LT)	LCB	TCB	VCB	RefHt		
HULL	886.35	2.61f	0.00	6.89	-11.60		
Righting Arms:							
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1209.3	7.38f	-5.36	953.8	1.18f	5.78	
Sails	98.8	30.39a	-10.18	2475.7	4.36f	14.95	
Total Lateral Plane->	1308.0	4.53f	-5.72	3429.5	3.48f	12.40	

Distances in FEET. Least freeboard is 2.53 Ft located at 13.27f

ER Vent (Downflood) Height: 12.52ft

PATRICIA LEE Load Line Height: 1.35ft

Note: 212 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	11.491 P

Relative angles measured from 11.813s

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	3.44 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.88 P
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	42.50 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	28.80 P
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	19.54 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	9.26 P
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	67.80 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	3.44 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	42.50 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	28.80 P
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	9.26 P
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	31.26 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	5.05 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	2.105 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	2.105 P

Roll angle = 17.70 degrees.

IMO parameters:

K = 0.700	X1 = 0.906	X2 = 0.969	Cb = 0.635
L = 123.04	B = 34.18	D = 11.61	BDR = 2.944
VCG = 12.91	Draft = 11.49	WG = 1.21	R = 0.793
T = 8.6	C = 0.469	GM = 3.44	S = 0.088

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
1988 STABILITY BOOK-COND. 5

Page C11
SR-INV

Burned Out, 10% Fuel, 50 Pots, 3 Holds Full
Light Ship Source: MSC1988

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 12.751 @ 60.63f, 10.921 @ 0.00, 9.091 @ 60.63a

Trim: Fwd 3.66/121.25, Heel: Port 0.01 deg.

Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP MSC1988	392.54	7.41a	0.00	14.63			
Crew and Stores	3.00	33.00a	0.00	16.00			
POTS-Tier1: 50	19.35	9.00f	0.13s	20.26			
Total Fixed	414.89	6.83a	0.01s	14.90			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
DBLBTM.C	0.525	0.870	7.02	29.72f	0.00p	1.74	-1.48
AFTWING.S	0.216	0.870	3.85	5.91a	13.35s	2.65	-3.79
AFTWING.P	0.216	0.870	3.85	5.91a	13.35p	2.65	-3.79
WATER.S	0.087	1.000	2.38	25.99a	13.30s	2.83	-4.46
WATER.P	0.087	1.000	2.38	25.99a	13.30p	2.83	-4.45
LUBEOIL.P	0.069	0.870	0.40	41.72a	7.07p	5.06	-6.98
Total Tanks			401.81	11.67f	0.01p	8.70	
Total Weight			816.70	2.27f	0.00	11.85	
HULL	Righting Arms:	Displ(LT)	LCB	TCB	VCB		
	1.025	816.70	2.43f	0.00	6.51		-10.92
			0.00	0.00			
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1124.1	7.10f	-5.01	1039.3	1.87f	5.97	
Sails	98.8	30.40a	-9.65	1524.2	0.66f	13.07	
Total Lateral Plane->	1222.9	4.07f	-5.39	2563.5	1.15f	10.19	
Distances in FEET.							
Least freeboard is 3.29 Ft located at 12.36f							

ER Vent (Downflood) Height: 13.06ft

PATRICIA LEE Load Line Height: 2.03ft

Note: Heel Corrected by Shifting Pots

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	40.806 P
Relative angles measured from 10.037p			

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	4.74 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	1.73 P
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	45.00 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	50.66 P
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	32.59 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	18.07 P
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	84.38 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	4.74 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	45.00 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	50.66 P
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	18.07 P
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	60.11 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	2.45 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	4.292 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	4.292 P

Roll angle = 17.41 degrees.

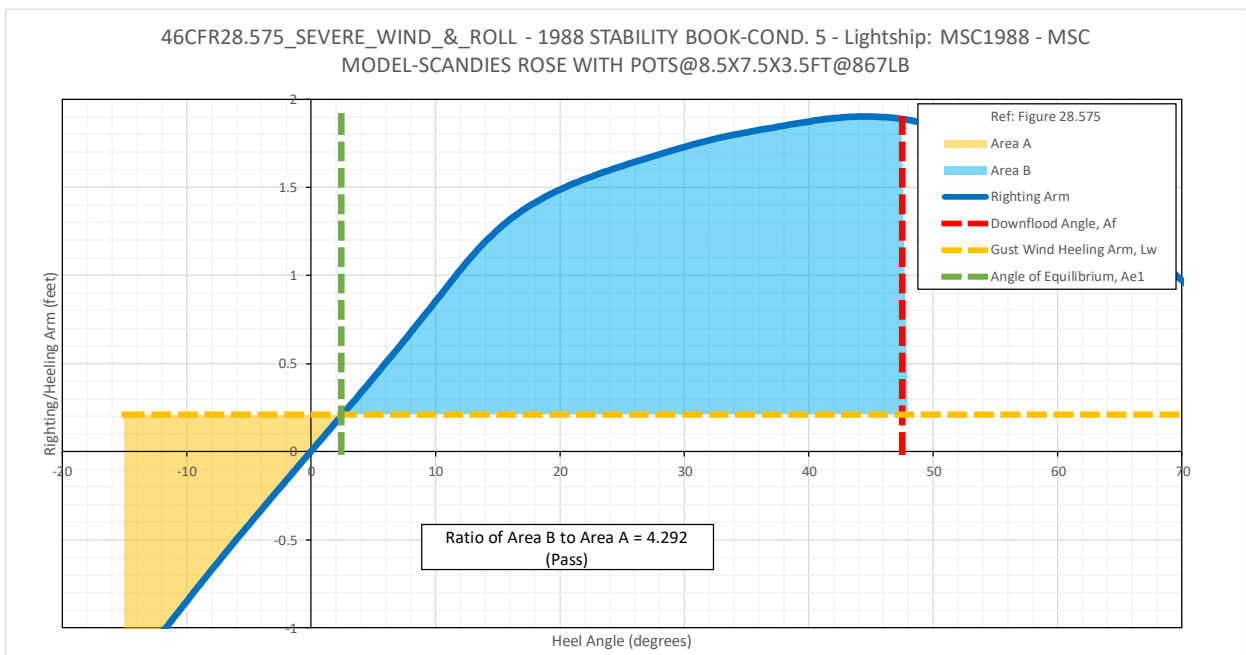
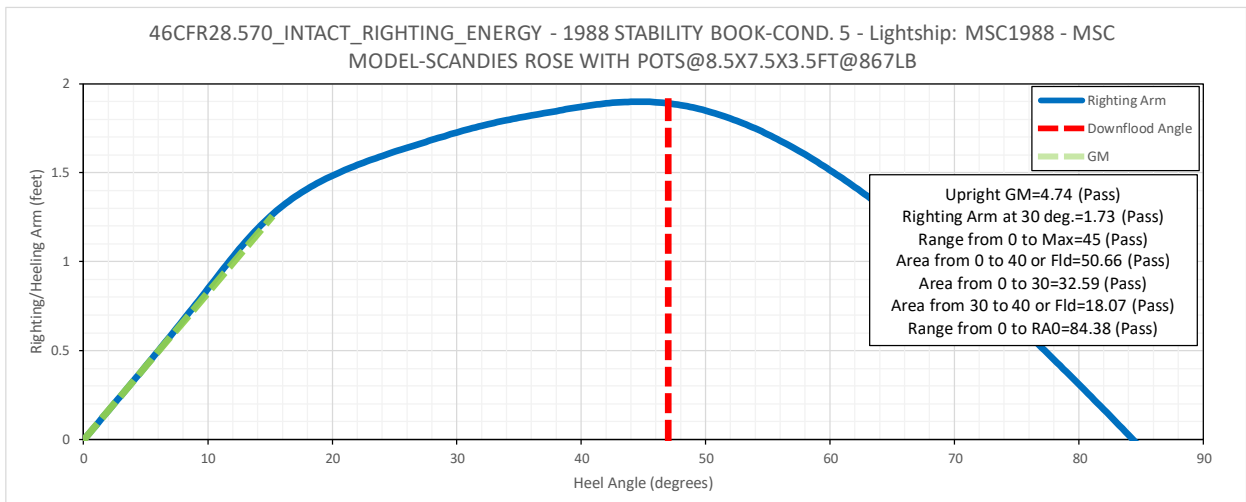
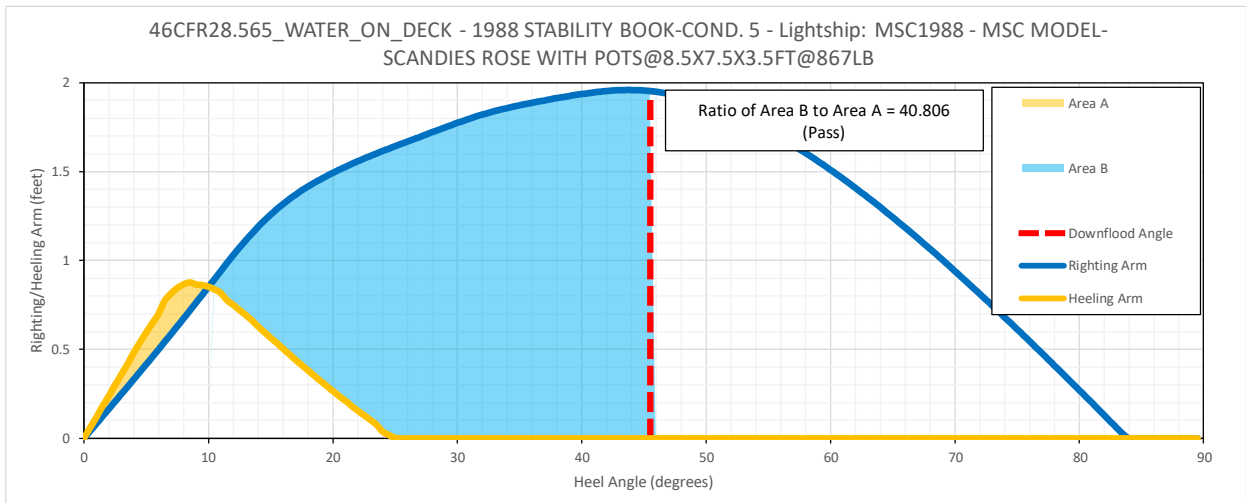
IMO parameters:

K = 0.700
L = 122.47
VCG = 11.85
T = 7.4

X1 = 0.874
B = 34.18
Draft = 10.82
C = 0.474

X2 = 0.962
D = 10.92
WG = 0.86
GM = 4.74

Cb = 0.625
BDR = 3.130
R = 0.777
S = 0.095



11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
1988 STABILITY BOOK-COND. 6

Page C12
SR-INV

Departure, Full Fuel, 3 Holds Full, 168 Pots
Light Ship Source: MSC1988

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS							
Baseline draft: 14.460 @ 60.63f, 12.795 @ 0.00, 11.129 @ 60.63a							
Trim: Fwd 3.33/121.25,				Heel: zero			
Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP MSC1988	392.54	7.41a	0.00	14.63			
Crew and Stores	3.00	33.00a	0.00	16.00			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	3.27s	32.76			
Total Fixed	460.57	5.26a	0.09s	16.16			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
DBLBTM.C	0.525	0.870	7.02	29.66f	0.00	1.74	-1.56
FWDWING.S	1.000	0.870	9.69	29.26f	13.04s	6.68	
FWDWING.P	1.000	0.870	9.69	29.26f	13.04p	6.68	
MIDWING.S	1.000	0.870	19.29	12.41f	13.56s	6.05	
MIDWING.P	1.000	0.870	19.29	12.41f	13.56p	6.05	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
AFTFUEL.S	0.398	0.870	9.32	44.21a	10.46s	7.32	-10.44
AFTFUEL.P	0.529	0.870	9.32	44.37a	11.75p	8.06	-11.69
WATER.S	0.871	1.000	23.74	28.70a	13.65s	7.89	-13.82
WATER.P	0.871	1.000	23.74	28.70a	13.65p	7.89	-13.82
LUBEOIL.P	0.695	0.870	4.02	44.67a	7.12p	8.34	-12.86
Total Tanks			552.69	6.02f	0.07p	8.30	
Total Weight			1,013.26	0.89f	0.00	11.87	
HULL	Righting Arms:	Displ(LT)	LCB	TCB	VCB		
	1.025	1,013.26	1.01f	0.00	7.52	-12.79	
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1354.1	5.79f	-5.86	808.9	2.49f	5.54	
Sails	98.8	30.40a	-11.61	2237.7	3.53f	12.80	
Total Lateral Plane->	1452.9	3.33f	-6.25	3046.6	3.25f	10.87	
Distances in FEET.							
Least freeboard is 1.45 Ft located at 11.15f							

ER Vent (Downflood) Height: 11.11ft

PATRICIA LEE Load Line Height: 0.16ft

Note: Heel Corrected by Shifting Pots

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	21.938 P
Relative angles measured from 10.590p			

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	4.11 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.95 P
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	45.00 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	27.73 P
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	19.14 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	8.59 P
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	81.27 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	4.11 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	45.00 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	27.73 P
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	8.59 P
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	36.85 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	3.02 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	1.905 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	1.905 P

Roll angle = 17.99 degrees.

IMO parameters:

K = 0.700
L = 123.57
VCG = 11.87
T = 7.8

X1 = 0.951
B = 34.18
Draft = 12.71
C = 0.462

X2 = 0.982
D = 12.79
WG = -0.95
GM = 4.11

Cb = 0.656
BDR = 2.672
R = 0.686
S = 0.093

11/01/20 16:00:59 USCG - SERT - Emergency Use Only
 GHS 17.34B MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
 2019 STABILITY BOOK COND. 1

Page C13
 SR-INV

Max Consum., 208 Pots, Holds 2 and 3 full
 Light Ship Source: Culver2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 13.478 @ 60.63f, 13.334 @ 0.00, 13.191 @ 60.63a

Trim: Fwd 0.29/121.25, Heel: Port 0.09 deg.

Part	Weight(LT)	LCG	TCG	VCG	RefHt	
LIGHT SHIP Culver2019	548.32	3.30a	0.00	14.69		
Crew and Stores	2.50	8.60a	0.00	16.80		
POTS-Tier1: 72	27.87	9.00f	0.00	20.26		
POTS-Tier2: 32	12.39	9.00f	0.00	25.76		
POTS-Tier3: 32	12.39	9.00f	0.00	29.26		
POTS-Tier4: 32	12.39	9.00f	0.00	32.76		
POTS-Tier5: 32	12.39	9.00f	6.65s	36.26		
Ice	22.54	0.51a	0.21p	29.34		
Total Fixed	650.77	1.76a	0.12s	16.69		
Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	122.17	6.26a	0.00	8.81	
FWDWING.S	0.929	9.01	29.22f	13.02s	6.44	-9.52
FWDWING.P	0.929	9.01	29.22f	13.02p	6.44	-9.48
MIDWING.S	1.000	19.29	12.41f	13.56s	6.05	
MIDWING.P	1.000	19.29	12.41f	13.56p	6.05	
AFTWING.S	1.000	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	17.82	6.26a	13.60p	5.95	
DAYTANK.P	0.925	11.70	55.46a	10.11p	10.94	-14.11
WATER.S	0.913	24.87	28.77a	13.66s	8.13	-13.58
WATER.P	0.913	24.87	28.77a	13.66p	8.13	-13.54
LUBEOIL.P	0.823	4.76	44.78a	7.12p	8.95	-12.91
SEWAGE.S	0.472	7.03	55.17a	9.96s	9.39	-11.21
Total Tanks		428.52	2.03a	0.19p	8.26	
Total Weight		1,079.29	1.87a	0.00p	13.34	
		Displ(LT)	LCB	TCB	VCB	
HULL	1.025	1,079.25	1.86a	0.01p	7.81	-13.33
Righting Arms:			0.00	0.00		
Part	LPA	LCP	HCP	LPA	LCP	HCP
Displacers	1418.0	2.63f	-6.03	750.3	7.30f	5.56
Sails	98.8	30.41a	-12.92	2496.6	3.51f	13.35
Total Lateral Plane->	1516.8	0.48f	-6.48	3246.9	4.39f	11.55
Distances in FEET.						
Least freeboard is 0.99 Ft located at 0.60f						

ER Vent (Downflood) Height: 9.82ft PATRICIA LEE Load Line Height: -0.40ft

Note: 208 Pots Specified in Loading Condition, Max Capacity Limited to 200
 Note: Heel Corrected by Shifting Pots

46CFR28.565: CAPSIZES WITH WATER ON DECK

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	2.70 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.12 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	9.08 F
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	5.76 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	5.33 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	0.42 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	48.80 F

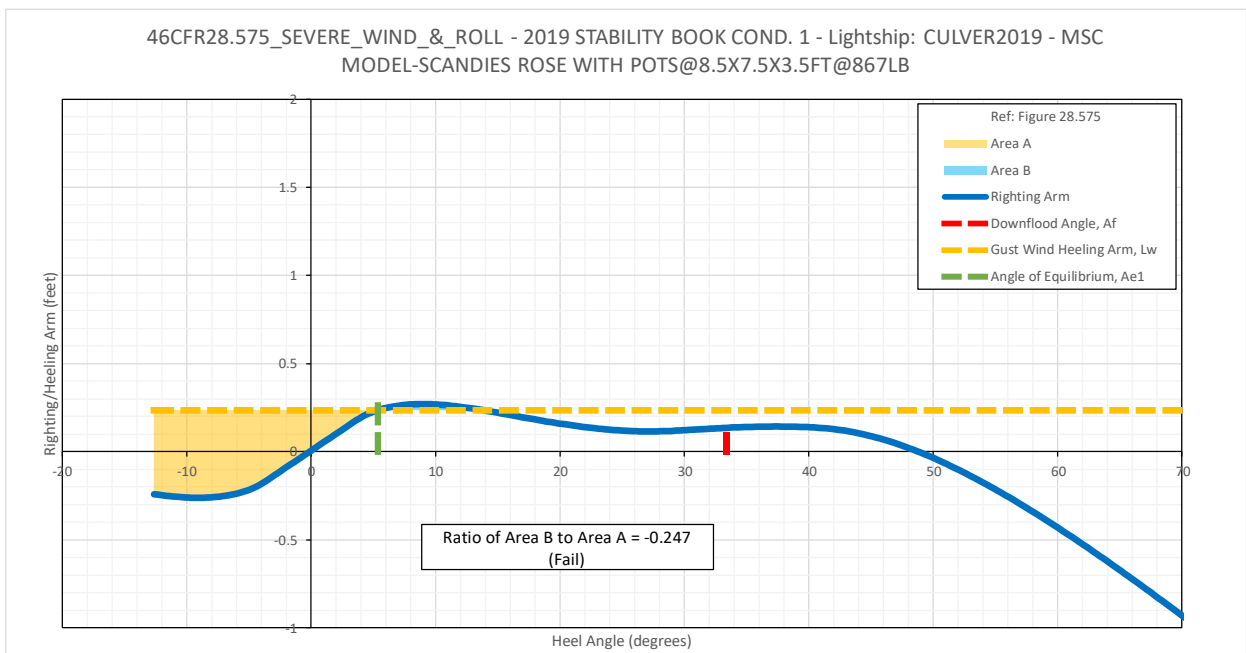
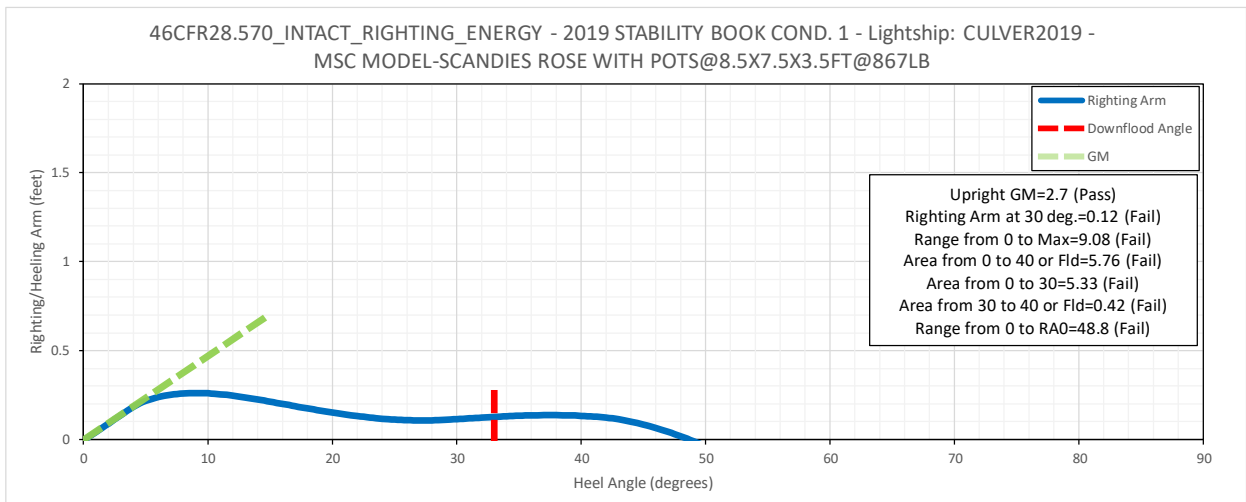
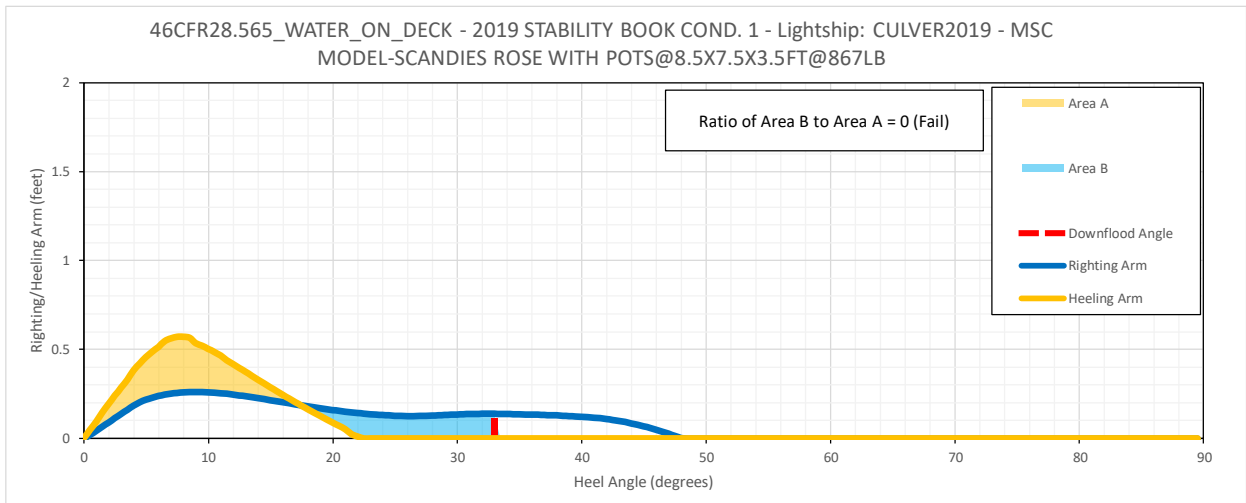
LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	2.70 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	9.08 F
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	5.76 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	0.42 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	1.64 F

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	5.41 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	-0.247 F
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	0.032 F

Roll angle = 17.96 degrees.

IMO parameters:

K = 0.700 X1 = 0.970 X2 = 0.989 Cb = 0.672
 L = 123.27 B = 34.18 D = 13.33 BDR = 2.563
 VCG = 13.34 Draft = 13.33 WG = 0.01 R = 0.730
 T = 9.5 C = 0.459 GM = 2.70 S = 0.082



11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 2

Page C14
SR-INV

75% Consum., 208 Pots, Holds 2 and 3 Full
Light Ship Source: Culver2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS
Baseline draft: 12.709 @ 60.63f, 12.876 @ 0.00, 13.043 @ 60.63a
Trim: Aft 0.33/121.25, Heel: Port 0.11 deg.

Part	Weight(LT)	LCG	TCG	VCG	
LIGHT SHIP Culver2019	548.32	3.30a	0.00	14.69	
Crew and Stores	2.50	8.60a	0.00	16.80	
POTS-Tier1: 72	27.87	9.00f	0.00	20.26	
POTS-Tier2: 32	12.39	9.00f	0.00	25.76	
POTS-Tier3: 32	12.39	9.00f	0.00	29.26	
POTS-Tier4: 32	12.39	9.00f	0.00	32.76	
POTS-Tier5: 32	12.39	9.00f	6.61s	36.26	
Ice	22.54	0.51a	0.21p	29.34	
Total Fixed	650.77	1.76a	0.12s	16.69	

	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
MIDWING.S	0.589	0.870	11.37	12.32f	13.47s	4.39	-6.88
MIDWING.P	0.589	0.870	11.37	12.32f	13.47p	4.39	-6.83
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
DAYTANK.P	0.925	0.870	11.70	55.47a	10.11p	10.94	-13.82
WATER.S	0.685	1.000	18.65	28.69a	13.60s	6.78	-10.86
WATER.P	0.685	1.000	18.65	28.69a	13.60p	6.78	-10.81
LUBEOIL.P	0.823	0.870	4.76	44.78a	7.12p	8.95	-12.67
SEWAGE.S	0.472	1.025	7.03	55.18a	9.96s	9.39	-10.93
Total Tanks			382.20	3.23a	0.22p	8.21	
Total Weight			1,032.98	2.31a	0.00p	13.55	

HULL	Righting Arms:	Displ(LT)	LCB	TCB	VCB	RefHt
	1.025	1,032.98	2.32a	0.02p	7.58	-12.88
			0.00	0.00		

Part	LPA	LCP	HCP	LPA	LCP	HCP
Displacers	1361.2	2.09f	-5.80	808.3	7.71f	5.65
Sails	98.8	30.41a	-12.61	2501.6	3.38f	13.82
Total Lateral Plane->	1460.0	0.11a	-6.26	3309.9	4.44f	11.83

Distances in FEET.
Least freeboard is 1.44 Ft located at 3.33a

ER Vent (Downflood) Height: 10.11ft PATRICIA LEE Load Line Height: 0.05ft

Note: 208 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

46CFR28.565: CAPSIZES WITH WATER ON DECK

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	2.53 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.18 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	11.28 F
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	7.99 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	7.17 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	0.82 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	48.01 F

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	2.53 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	11.28 F
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	7.99 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	0.82 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	2.48 F

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	5.55 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	-0.004 F
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	0.124 F

Roll angle = 17.74 degrees.

IMO parameters:

K = 0.700	X1 = 0.954	X2 = 0.988	Cb = 0.669
L = 122.87	B = 34.18	D = 12.88	BDR = 2.655
VCG = 13.55	Draft = 12.89	WG = 0.67	R = 0.761
T = 9.9	C = 0.461	GM = 2.53	S = 0.080

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 3

Page C15
SR-INV

50% Consum., 208 Pots, Holds 2 and 3 Full
Light Ship Source: Culver2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS
Baseline draft: 11.990 @ 60.63f, 12.713 @ 0.00, 13.437 @ 60.63a
Trim: Aft 1.45/121.25, Heel: Port 0.11 deg.

Part	Weight(LT)	LCG	TCG	VCG	
LIGHT SHIP Culver2019	548.32	3.30a	0.00	14.69	
Crew and Stores	2.50	8.60a	0.00	16.80	
POTS-Tier1: 72	27.87	9.00f	0.00	20.26	
POTS-Tier2: 32	12.39	9.00f	0.00	25.76	
POTS-Tier3: 32	12.39	9.00f	0.00	29.26	
POTS-Tier4: 32	12.39	9.00f	1.29s	32.76	
POTS-Tier5: 32	12.39	9.00f	8.55s	36.26	
Ice	22.54	0.51a	0.21p	29.34	
Total Fixed	650.77	1.76a	0.18s	16.69	

	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
AFTFUEL.S	0.420	0.870	9.82	44.38a	10.46s	7.42	-8.88
AFTFUEL.P	0.687	0.870	12.10	44.59a	11.80p	8.77	-11.25
DAYTANK.P	0.925	0.870	11.70	55.48a	10.11p	10.94	-13.30
WATER.S	0.457	1.000	12.44	28.55a	13.53s	5.37	-7.92
WATER.P	0.457	1.000	12.44	28.55a	13.53p	5.37	-7.87
LUBEOIL.P	0.823	0.870	4.76	44.80a	7.12p	8.95	-12.26
SEWAGE.S	0.472	1.025	7.03	55.20a	9.96s	9.39	-10.42
Total Tanks			368.97	5.78a	0.33p	8.39	
Total Weight			1,019.75	3.21a	0.01p	13.69	

HULL	Righting Arms:	Displ(LT)	LCB	TCB	VCB	
	1.025	1,019.74	3.29a	0.02p	7.52	-12.71
			0.00	0.00		

Part	LPA	LCP	HCP	LPA	LCP	HCP
Displacers	1340.6	1.00f	-5.71	829.3	9.05f	5.74
Sails	98.9	30.41a	-12.73	2503.1	3.14f	14.02
Total Lateral Plane->	1439.5	1.16a	-6.19	3332.3	4.61f	11.96

Distances in FEET.
Least freeboard is 1.36 Ft located at 27.15a

ER Vent (Downflood) Height: 9.96ft PATRICIA LEE Load Line Height: 0.21ft

Note: 208 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

46CFR28.565: CAPSIZES WITH WATER ON DECK

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	2.38 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.18 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	12.50 F
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	7.97 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	7.24 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	0.73 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	45.16 F

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	2.38 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	12.50 F
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	7.97 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	0.73 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	2.80 F

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	6.17 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	-0.023 F
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	0.120 F

Roll angle = 17.57 degrees.

IMO parameters:

K = 0.700	X1 = 0.949	X2 = 0.988	Cb = 0.670
L = 122.57	B = 34.18	D = 12.71	BDR = 2.689
VCG = 13.69	Draft = 12.76	WG = 0.93	R = 0.774
T = 10.2	C = 0.462	GM = 2.38	S = 0.078

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 4

Page C16
SR-INV

25% Consum., 208 Pots, Holds 2 and 3 Full
Light Ship Source: Culver2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS
Baseline draft: 12.415 @ 60.63f, 12.431 @ 0.00, 12.447 @ 60.63a
Trim: Aft 0.03/121.25, Heel: Port 0.13 deg.

Part	Weight(LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP Culver2019	548.32	3.30a	0.00	14.69			
Crew and Stores	2.50	8.60a	0.00	16.80			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	0.00	32.76			
POTS-Tier5: 32	12.39	9.00f	6.61s	36.26			
Ice	22.54	0.51a	0.21p	29.34			
Total Fixed	650.77	1.76a	0.12s	16.69			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
DAYTANK.P	0.925	0.870	11.70	55.47a	10.11p	10.94	-13.95
WATER.S	0.228	1.000	6.22	27.94a	13.43s	3.89	-5.47
WATER.P	0.228	1.000	6.22	27.94a	13.43p	3.89	-5.41
LUBEOIL.P	0.823	0.870	4.76	44.78a	7.12p	8.95	-12.78
SEWAGE.S	0.472	1.025	7.03	55.17a	9.96s	9.39	-11.07
Total Tanks			334.61	2.37a	0.25p	8.47	
Total Weight			985.38	1.97a	0.01p	13.90	
HULL	Righting Arms:	Displ(LT)	LCB	TCB	VCB	RefHt	
	1.025	985.34	1.97a	0.02p	7.33	-12.43	
			0.00	0.00			
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1306.7	2.47f	-5.59	864.0	6.84f	5.70	
Sails	98.9	30.41a	-12.09	2506.3	3.45f	14.26	
Total Lateral Plane->	1405.6	0.15f	-6.05	3370.2	4.32f	12.07	
Distances in FEET.							
Least freeboard is 1.88 Ft located at 0.31a							

ER Vent (Downflood) Height: 10.63ft

PATRICIA LEE Load Line Height: 0.49ft

Note: 208 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

46CFR28.565: CAPSIZES WITH WATER ON DECK

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	2.27 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.17 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	12.50 F
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	8.85 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	7.78 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	1.07 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	45.90 F

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	2.27 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	12.50 F
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	8.85 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	1.07 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	2.92 F

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	6.54 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	-0.031 F
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	0.168 F

Roll angle = 17.40 degrees.

IMO parameters:

K = 0.700
L = 122.66
VCG = 13.90
T = 10.5

X1 = 0.938
B = 34.18
Draft = 12.43
C = 0.464

X2 = 0.985
D = 12.43
WG = 1.46
GM = 2.27

Cb = 0.662
BDR = 2.750
R = 0.801
S = 0.076

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 5

Page C17
SR-INV

10% Consum., 208 Pots, Holds 2 and 3 Full
Light Ship Source: Culver2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS
Baseline draft: 12.307 @ 60.63f, 12.186 @ 0.00, 12.065 @ 60.63a
Trim: Fwd 0.24/121.25, Heel: Port 0.12 deg.

Part	Weight(LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP Culver2019	548.32	3.30a	0.00	14.69			
Crew and Stores	2.50	8.60a	0.00	16.80			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	0.00	32.76			
POTS-Tier5: 32	12.39	9.00f	6.65s	36.26			
Ice	22.54	0.51a	0.21p	29.34			
Total Fixed	650.77	1.76a	0.12s	16.69			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
AFTWING.S	0.467	0.870	8.32	6.27a	13.47s	3.73	-5.77
AFTWING.P	0.467	0.870	8.32	6.27a	13.47p	3.73	-5.71
DAYTANK.P	0.925	0.870	11.70	55.46a	10.11p	10.94	-14.08
WATER.S	0.091	1.000	2.49	26.40a	13.29s	2.86	-3.76
WATER.P	0.091	1.000	2.49	26.40a	13.30p	2.86	-3.70
LUBEOIL.P	0.823	0.870	4.76	44.78a	7.12p	8.95	-12.89
SEWAGE.S	0.472	1.025	7.03	55.17a	9.96s	9.39	-11.20
Total Tanks			308.15	1.49a	0.27p	8.60	
Total Weight			958.92	1.67a	0.00p	14.09	
HULL	Righting Arms:	Displ(LT)	LCB	TCB	VCB		
	1.025	958.88	1.66a	0.02p	7.19		-12.19
			0.00				
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1276.9	2.80f	-5.48	893.6	6.28f	5.74	
Sails	98.9	30.41a	-11.78	2505.5	3.51f	14.50	
Total Lateral Plane->	1375.7	0.41f	-5.93	3399.2	4.24f	12.19	
Distances in FEET.							
Least freeboard is 2.13 Ft located at 0.60f							

ER Vent (Downflood) Height: 10.94ft

PATRICIA LEE Load Line Height: 0.73ft

Note: 208 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

46CFR28.565: CAPSIZES WITH WATER ON DECK

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	2.13 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.16 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	13.12 F
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	9.04 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	7.94 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	1.10 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	44.25 F

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	2.13 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	13.12 F
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	9.04 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	1.10 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	3.11 F

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	7.20 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	-0.105 F
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	0.184 F

Roll angle = 17.15 degrees.

IMO parameters:

K = 0.700
L = 122.56
VCG = 14.09
T = 10.9

X1 = 0.929
B = 34.18
Draft = 12.18
C = 0.465

X2 = 0.982
D = 12.19
WG = 1.90
GM = 2.13

Cb = 0.658
BDR = 2.805
R = 0.824
S = 0.074

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 6

Page C18
SR-INV

Max Consum., Tendering, All Holds Full
Light Ship Source: Culver2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 15.075 @ 60.63f, 14.088 @ 0.00, 13.100 @ 60.63a
Trim: Fwd 1.97/121.25, Heel: Port 0.01 deg.

Part	Weight(LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP Culver2019	548.32	3.30a	0.00	14.69			
Crew and Stores	2.50	8.60a	0.00	16.80			
Tendering Equip	15.00	10.00f	2.69s	19.00			
Total Fixed	565.82	2.97a	0.07s	14.81			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
FWDWING.S	0.929	0.870	9.01	29.27f	13.01s	6.45	-9.08
FWDWING.P	0.929	0.870	9.01	29.27f	13.01p	6.45	-9.08
MIDWING.S	1.000	0.870	19.29	12.41f	13.56s	6.05	
MIDWING.P	1.000	0.870	19.29	12.41f	13.56p	6.05	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
AFTFUEL.S	1.000	0.870	23.41	44.73a	10.70s	10.05	
AFTFUEL.P	1.000	0.870	17.62	44.69a	11.87p	10.14	
DAYTANK.P	0.925	0.870	11.70	55.45a	10.11p	10.94	-14.90
WATER.S	0.913	1.000	24.87	28.74a	13.66s	8.14	-13.96
WATER.P	0.913	1.000	24.87	28.74a	13.66p	8.14	-13.96
LUBEOIL.P	0.823	0.870	4.76	44.75a	7.12p	8.95	-13.54
SEWAGE.S	0.472	1.025	7.03	55.13a	9.97s	9.39	-11.97
Total Tanks			588.44	1.59f	0.07p	8.61	
Total Weight			1,154.26	0.65a	0.00	11.65	
Part	Displ(LT)	LCB	TCB	VCB	RefHt		
HULL	1,154.28	0.59a	0.00	8.21	-14.09		
Righting Arms:							
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1512.7	4.08f	-6.42	650.7	5.23f	5.48	
Sails	98.8	30.41a	-13.24	1014.0	4.20a	11.85	
Total Lateral Plane->	1611.5	1.97f	-6.84	1664.8	0.52a	9.36	

Least freeboard is 0.23 Ft located at 4.22f

ER Vent (Downflood) Height: 9.49ft PATRICIA LEE Load Line Height: -1.13ft

Note: Heel Corrected by Shifting Tendering Equipment 2.69 feet

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	4.083 P

Relative angles measured from 13.517p

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	4.40 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.74 P
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	47.50 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	13.06 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	11.89 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	1.17 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	84.09 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	4.40 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	47.50 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	13.06 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	1.17 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	28.29 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	1.24 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	< 1.000	1.585 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	1.585 P

Roll angle = 18.32 degrees.

IMO parameters:

K = 0.700	X1 = 0.994	X2 = 0.991	Cb = 0.676
L = 124.08	B = 34.18	D = 14.09	BDR = 2.426
VCG = 11.65	Draft = 14.04	WG = -2.43	R = 0.627
T = 7.4	C = 0.456	GM = 4.40	S = 0.095

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 7

Page C19
SR-INV

75% Consum., Tendering, All Holds Full
Light Ship Source: Culver2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 14.344 @ 60.63f, 13.638 @ 0.00, 12.931 @ 60.63a
Trim: Fwd 1.41/121.25, Heel: zero

Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP Culver2019	548.32	3.30a	0.00	14.69			
Crew and Stores	2.50	8.60a	0.00	16.80			
Tendering Equip	15.00	10.00f	2.73s	19.00			
Total Fixed	565.82	2.97a	0.07s	14.81			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
MIDWING.S	0.589	0.870	11.37	12.42f	13.47s	4.39	-6.67
MIDWING.P	0.589	0.870	11.37	12.42f	13.47p	4.39	-6.67
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
AFTFUEL.S	1.000	0.870	23.41	44.73a	10.70s	10.05	
AFTFUEL.P	1.000	0.870	17.62	44.69a	11.87p	10.14	
DAYTANK.P	0.925	0.870	11.70	55.45a	10.11p	10.94	-14.64
WATER.S	0.685	1.000	18.65	28.66a	13.60s	6.78	-11.25
WATER.P	0.685	1.000	18.65	28.66a	13.60p	6.78	-11.25
LUBEOIL.P	0.823	0.870	4.76	44.76a	7.12p	8.95	-13.34
SEWAGE.S	0.472	1.025	7.03	55.15a	9.96s	9.39	-11.71
Total Tanks			542.12	1.05f	0.08p	8.60	
Total Weight			1,107.94	1.00a	0.00	11.77	
Part	Displ(LT)	LCB	TCB	VCB			
HULL	1,107.94	0.96a	0.00	7.97	-13.64		
Righting Arms:		0.00	0.00				
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1456.4	3.65f	-6.19	706.7	5.87f	5.50	
Sails	98.8	30.42a	-12.94	1013.7	4.33a	12.28	
Total Lateral Plane->	1555.1	1.49f	-6.62	1720.4	0.14a	9.50	
Distances in FEET.							
Least freeboard is 0.70 Ft located at 3.01f							

ER Vent (Downflood) Height: 9.80ft PATRICIA LEE Load Line Height: -0.68ft

Note: Heel Corrected by Shifting Tendering Equipment 2.73 feet

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	12.298 P
Relative angles measured from 11.183s			

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	4.27 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.79 P
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	45.90 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	17.13 P
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	14.64 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	2.48 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	80.38 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	4.27 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	45.90 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	17.13 P
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	2.48 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	30.26 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	1.36 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	1.722 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	1.722 P

Roll angle = 18.26 degrees.

IMO parameters:

K = 0.700	X1 = 0.980	X2 = 0.989	Cb = 0.673
L = 123.69	B = 34.18	D = 13.64	BDR = 2.506
VCG = 11.77	Draft = 13.60	WG = -1.85	R = 0.648
T = 7.6	C = 0.458	GM = 4.27	S = 0.094

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 8

Page C20
SR-INV

50% Consum., Tendering, All Holds Full
Light Ship Source: Culver2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 14.283 @ 60.63f, 13.149 @ 0.00, 12.015 @ 60.63a

Trim: Fwd 2.27/121.25, Heel: zero

Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP Culver2019	548.32	3.30a	0.00	14.69			
Crew and Stores	2.50	8.60a	0.00	16.80			
Tendering Equip	15.00	10.00f	4.71s	19.00			
Total Fixed	565.82	2.97a	0.12s	14.81			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
AFTFUEL.S	0.517	0.870	12.10	44.42a	10.53s	7.88	-11.10
AFTFUEL.P	0.557	0.870	9.82	44.42a	11.76p	8.19	-11.54
DAYTANK.P	0.925	0.870	11.70	55.44a	10.11p	10.94	-15.03
WATER.S	0.457	1.000	12.44	28.43a	13.53s	5.37	-8.78
WATER.P	0.457	1.000	12.44	28.43a	13.53p	5.37	-8.78
LUBEOIL.P	0.823	0.870	4.76	44.75a	7.12p	8.95	-13.65
SEWAGE.S	0.472	1.025	7.03	55.13a	9.97s	9.39	-12.10
Total Tanks			487.86	3.10f	0.14p	8.62	
Total Weight			1,053.68	0.16a	0.00	11.95	
Part	Displ(LT)	LCB	TCB	VCB			
HULL	1,053.68	0.08a	0.00	7.70	-13.15		
Righting Arms:							
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1396.8	4.60f	-5.99	766.2	4.19f	5.51	
Sails	98.8	30.41a	-12.23	1013.7	4.14a	12.80	
Total Lateral Plane->	1495.6	2.29f	-6.40	1779.9	0.55a	9.66	

Least freeboard is 1.16 Ft located at 4.82f

ER Vent (Downflood) Height: 10.50ft

PATRICIA LEE Load Line Height: -0.19ft

Note: Heel Corrected by Shifting Tendering Equipment 4.71 feet

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	19.072 P
Relative angles measured from 10.552s			
LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	4.14 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.83 P
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	45.00 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	21.85 P
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	16.70 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	5.15 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	77.88 P
LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	4.14 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	45.00 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	21.85 P
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	5.15 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	32.15 P
LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	1.53 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	1.971 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	1.971 P

Roll angle = 18.18 degrees.

IMO parameters:

K = 0.700
L = 123.56
VCG = 11.95
T = 7.7

X1 = 0.964
B = 34.18
Draft = 13.09
C = 0.460

X2 = 0.986
D = 13.15
WG = -1.20
GM = 4.14

Cb = 0.664
BDR = 2.600
R = 0.675
S = 0.093

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 9

Page C21
SR-INV

25% Consum., Tendering, All Holds Full
Light Ship Source: Culver2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS
Baseline draft: 14.685 @ 60.63f, 12.860 @ 0.00, 11.035 @ 60.63a
Trim: Fwd 3.65/121.25, Heel: Stbd 0.01 deg.

Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP Culver2019	548.32	3.30a	0.00	14.69			
Crew and Stores	2.50	8.60a	0.00	16.80			
Tendering Equip	15.00	10.00f	5.50s	19.00			
Total Fixed	565.82	2.97a	0.15s	14.81			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
DAYTANK.P	0.925	0.870	11.70	55.43a	10.11p	10.94	-15.67
WATER.S	0.228	1.000	6.22	27.72a	13.43s	3.89	-6.32
WATER.P	0.228	1.000	6.22	27.72a	13.43p	3.89	-6.32
LUBEOIL.P	0.823	0.870	4.76	44.73a	7.12p	8.95	-14.16
SEWAGE.S	0.472	1.025	7.03	55.10a	9.97s	9.40	-12.73
Total Tanks			453.50	6.28f	0.18p	8.70	
Total Weight			1,019.32	1.15f	0.00	12.09	
Part	Displ(LT)	LCB	TCB	VCB			
HULL	1,019.32	1.28f	0.00	7.56	-12.85		
Righting Arms:							
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1362.6	6.08f	-5.90	800.8	2.03f	5.52	
Sails	98.8	30.40a	-11.59	1014.0	3.84a	13.14	
Total Lateral Plane->	1461.4	3.62f	-6.29	1814.8	1.25a	9.78	

Least freeboard is 1.35 Ft located at 12.06f

ER Vent (Downflood) Height: 11.12ft PATRICIA LEE Load Line Height: 0.10ft

Note: Heel Corrected by Shifting Tendering Equipment 5.50 feet

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	18.708 P
Relative angles measured from 11.236s			
LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	4.13 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.85 P
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	45.00 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	25.30 P
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	17.62 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	7.68 P
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	77.68 P
LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	4.13 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	45.00 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	25.30 P
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	7.68 P
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	33.48 P
LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	1.63 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	< 1.000	2.186 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	2.186 P

Roll angle = 18.13 degrees.

IMO parameters:

K = 0.700	X1 = 0.954	X2 = 0.982	Cb = 0.656
L = 123.69	B = 34.18	D = 12.86	BDR = 2.658
VCG = 12.09	Draft = 12.77	WG = -0.80	R = 0.693
T = 7.8	C = 0.461	GM = 4.13	S = 0.093

11/01/20 16:00:59

USCG - SERT - Emergency Use Only

Page C22

GHS 17.34B

MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB

SR-INV

2019 STABILITY BOOK COND. 10

10% Consum., Tendering, All Holds Full
Light Ship Source: Culver2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 14.589 @ 60.63f, 12.617 @ 0.00, 10.645 @ 60.63a

Trim: Fwd 3.94/121.25, Heel: zero

Part	Weight(LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP Culver2019	548.32	3.30a	0.00	14.69			
Crew and Stores	2.50	8.60a	0.00	16.80			
Tendering Equip	15.00	10.00f	5.49s	19.00			
Total Fixed	565.82	2.97a	0.15s	14.81			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
AFTWING.S	0.467	0.870	8.32	6.06a	13.47s	3.74	-5.92
AFTWING.P	0.467	0.870	8.32	6.06a	13.47p	3.74	-5.92
DAYTANK.P	0.925	0.870	11.70	55.42a	10.11p	10.94	-15.80
WATER.S	0.091	1.000	2.49	26.04a	13.31s	2.87	-4.58
WATER.P	0.091	1.000	2.49	26.04a	13.31p	2.87	-4.58
LUBEOIL.P	0.823	0.870	4.76	44.73a	7.12p	8.95	-14.27
SEWAGE.S	0.472	1.025	7.03	55.10a	9.97s	9.40	-12.87
Total Tanks			427.04	7.46f	0.19p	8.81	
Total Weight			992.86	1.52f	0.00	12.23	
Part	Displ(LT)	LCB	TCB	VCB	RefHt		
HULL	992.86	1.67f	0.00	7.43	-12.61		
Righting Arms:							
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1333.0	6.49f	-5.80	830.1	1.60f	5.56	
Sails	98.8	30.40a	-11.27	1013.7	3.78a	13.40	
Total Lateral Plane->	1431.7	3.94f	-6.18	1843.8	1.36a	9.87	

Distances in FEET.

Least freeboard is 1.56 Ft located at 12.66f

ER Vent (Downflood) Height: 11.43ft

PATRICIA LEE Load Line Height: 0.34ft

Note: Heel Corrected by Shifting Tendering Equipment 5.49 feet

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	18.058 P

Relative angles measured from 11.248s

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	4.04 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.86 P
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	44.45 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	27.25 P
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	18.22 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	9.03 P
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	75.85 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	4.04 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	44.45 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	27.25 P
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	9.03 P
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	33.26 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	1.75 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	2.295 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	2.295 P

Roll angle = 18.09 degrees.

IMO parameters:

K = 0.700
L = 123.60
VCG = 12.23
T = 7.9

X1 = 0.945
B = 34.18
Draft = 12.52
C = 0.463

X2 = 0.980
D = 12.62
WG = -0.44
GM = 4.04

Cb = 0.652
BDR = 2.709
R = 0.709
S = 0.092

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 11

Page C23
SR-INV

Crabbing, 3 Holds Full, 168 Pots
Light Ship Source: Culver2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS
Baseline draft: 16.234 @ 60.63f, 14.260 @ 0.00, 12.287 @ 60.63a
Trim: Fwd 3.95/121.25, Heel: Port 0.11 deg.

Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP Culver2019	548.32	3.30a	0.00	14.69			
Crew and Stores	2.50	8.60a	0.00	16.80			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	6.66s	32.76			
Ice	21.62	0.92a	0.22p	28.15			
Total Fixed	637.46	1.99a	0.12s	16.25			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
MIDWING.S	1.000	0.870	19.29	12.41f	13.56s	6.05	
MIDWING.P	1.000	0.870	19.29	12.41f	13.56p	6.05	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
DAYTANK.P	0.925	0.870	11.70	55.42a	10.12p	10.94	-15.78
WATER.S	0.913	1.000	24.87	28.71a	13.66s	8.14	-14.45
WATER.P	0.913	1.000	24.87	28.71a	13.66p	8.14	-14.40
LUBEOIL.P	0.823	0.870	4.76	44.73a	7.12p	8.95	-14.26
SEWAGE.S	0.472	1.025	7.03	55.10a	9.97s	9.40	-12.89
Total Tanks			529.39	4.24f	0.16p	8.57	
Total Weight			1,166.85	0.84f	0.00p	12.76	
HULL			Displ(LT)	LCB	TCB	VCB	
		1.025	1,166.85	0.98f	0.01p	8.31	-14.25
		Righting Arms:		0.00	0.00		
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1536.6	5.86f	-6.57	633.1	1.46f	5.44	
Sails	100.7	29.56a	-12.67	2258.7	3.69f	11.32	
Total Lateral Plane->	1637.4	3.68f	-6.94	2891.8	3.20f	10.03	
Distances in FEET.							
Least freeboard is -0.11 Ft located at 12.66f							

ER Vent (Downflood) Height: 9.76ft

PATRICIA LEE Load Line Height: -1.34ft

Note: Heel Corrected by Shifting Pots

46CFR28.565: CAPSIZES WITH WATER ON DECK

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	1.89 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.15 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	40.00 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	1.74 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	1.35 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	0.39 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	57.32 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	1.89 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	40.00 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	1.74 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	0.39 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	3.52 F

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	31.16 F
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	0.007 F
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	0.007 F

Roll angle = 16.40 degrees.

IMO parameters:

K = 0.700
L = 124.63
VCG = 12.76
T = 11.3

X1 = 1.000
B = 34.18
Draft = 14.07
C = 0.455

X2 = 0.989
D = 14.26
WG = -1.52
GM = 1.89

Cb = 0.672
BDR = 2.397
R = 0.666
S = 0.071

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 1

Page C24
SR-INV

Max Consum., 208 Pots, Holds 2 and 3 full
Light Ship Source: MSC2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 14.734 @ 60.63f, 13.669 @ 0.00, 12.605 @ 60.63a

Trim: Fwd 2.13/121.25, Heel: Port 0.09 deg.

Part	Weight(LT)	LCG	TCG	VCG	RefHt	
LIGHT SHIP MSC2019	578.33	0.52a	0.00	15.26		
Crew and Stores	2.50	8.60a	0.00	16.80		
POTS-Tier1: 72	27.87	9.00f	0.00	20.26		
POTS-Tier2: 32	12.39	9.00f	0.00	25.76		
POTS-Tier3: 32	12.39	9.00f	0.00	29.26		
POTS-Tier4: 32	12.39	9.00f	0.00	32.76		
POTS-Tier5: 32	12.39	9.00f	6.67s	36.26		
Ice	22.54	0.51a	0.21p	29.34		
Total Fixed	680.78	0.53f	0.11s	17.08		
Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81
FWDWING.S	0.929	0.870	9.01	29.28f	13.01s	6.45
FWDWING.P	0.929	0.870	9.01	29.27f	13.01p	6.45
MIDWING.S	1.000	0.870	19.29	12.41f	13.56s	6.05
MIDWING.P	1.000	0.870	19.29	12.41f	13.56p	6.05
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95
DAYTANK.P	0.925	0.870	11.70	55.44a	10.11p	10.94
WATER.S	0.913	1.000	24.87	28.74a	13.66s	8.14
WATER.P	0.913	1.000	24.87	28.74a	13.66p	8.14
LUBEOIL.P	0.823	0.870	4.76	44.75a	7.12p	8.95
SEWAGE.S	0.472	1.025	7.03	55.13a	9.96s	9.39
Total Tanks			428.52	2.03a	0.19p	8.26
Total Weight			1,109.30	0.46a	0.00p	13.67
Part	Displ(LT)	LCB	TCB	VCB	RefHt	
HULL	1,109.26	0.36a	0.01p	7.98	-13.67	
Righting Arms:						
Part	LPA	LCP	HCP	LPA	LCP	HCP
Displacers	1461.1	4.33f	-6.23	707.5	4.60f	5.46
Sails	98.8	30.40a	-12.79	2497.8	3.92f	12.96
Total Lateral Plane->	1560.0	2.13f	-6.64	3205.3	4.07f	11.30
Distances in FEET.						

Least freeboard is 0.62 Ft located at 4.52f

ER Vent (Downflood) Height: 9.92ft PATRICIA LEE Load Line Height: -0.74ft

Note: 208 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

46CFR28.565: CAPSIZES WITH WATER ON DECK

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	2.39 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	-0.16 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	5.42 F
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	-0.75 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	-0.22 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	-0.53 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	15.00 F

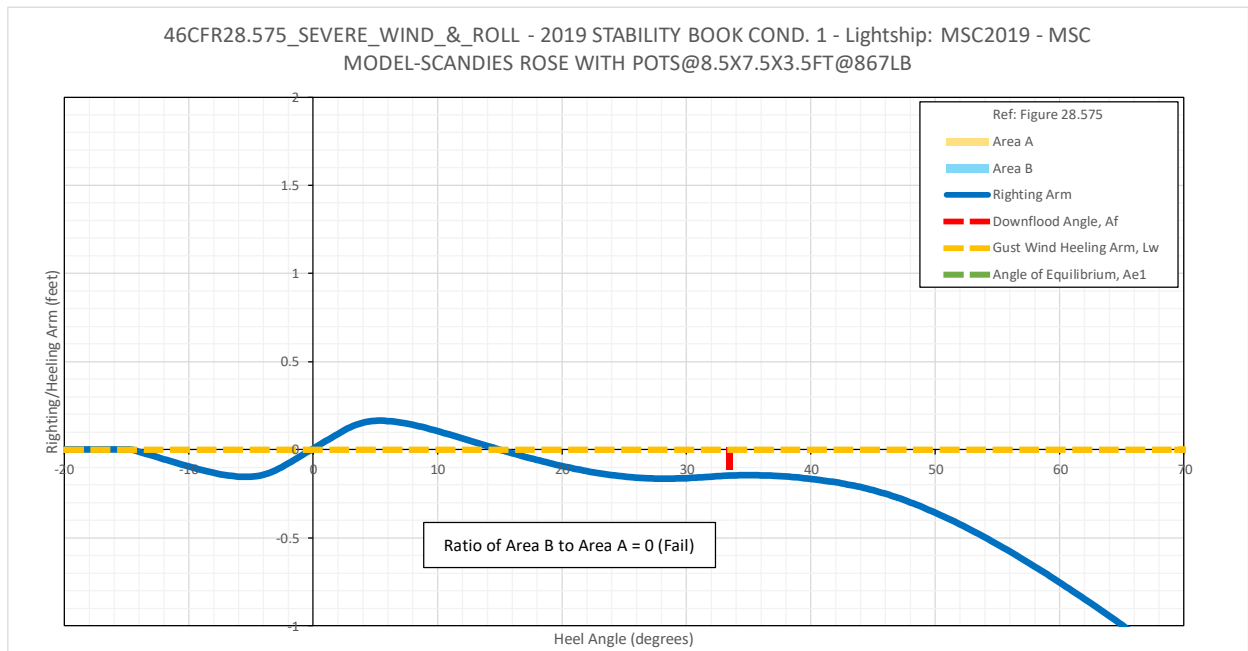
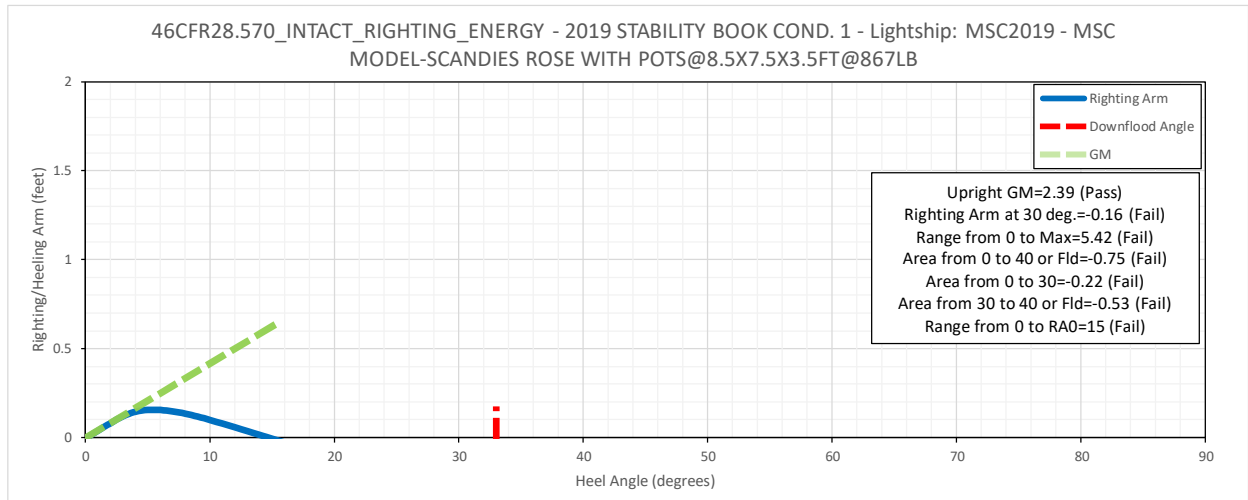
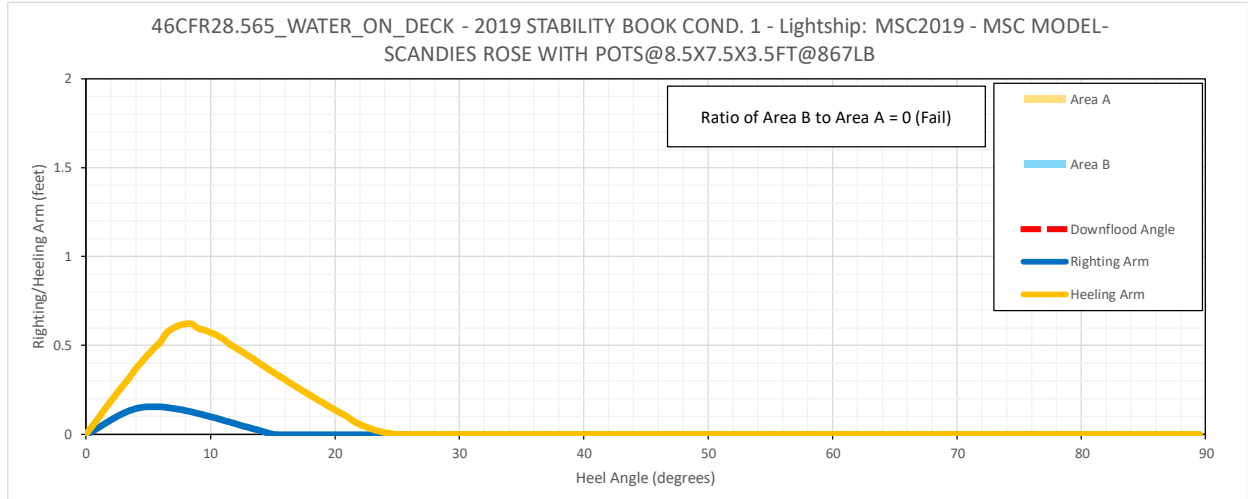
LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	2.39 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	5.42 F
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	-0.75 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	-0.53 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	0.56 F

46CFR28.575: CAPSIZES WITH 53.4 KNOT WIND

Roll angle = 17.75 degrees.

IMO parameters:

K = 0.700	X1 = 0.981	X2 = 0.989	Cb = 0.671
L = 123.85	B = 34.18	D = 13.67	BDR = 2.501
VCG = 13.67	Draft = 13.61	WG = 0.01	R = 0.731
T = 10.1	C = 0.457	GM = 2.39	S = 0.079



11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 2

Page C25
SR-INV

75% Consum., 208 Pots, Holds 2 and 3 Full
Light Ship Source: MSC2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 13.989 @ 60.63f, 13.217 @ 0.00, 12.444 @ 60.63a

Trim: Fwd 1.54/121.25, Heel: Port 0.11 deg.

Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP MSC2019	578.33	0.52a	0.00	15.26			
Crew and Stores	2.50	8.60a	0.00	16.80			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	0.00	32.76			
POTS-Tier5: 32	12.39	9.00f	6.64s	36.26			
Ice	22.54	0.51a	0.21p	29.34			
Total Fixed	680.78	0.53f	0.11s	17.08			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
MIDWING.S	0.589	0.870	11.37	12.42f	13.47s	4.39	-6.68
MIDWING.P	0.589	0.870	11.37	12.42f	13.47p	4.39	-6.63
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
DAYTANK.P	0.925	0.870	11.70	55.45a	10.11p	10.94	-14.68
WATER.S	0.685	1.000	18.65	28.65a	13.60s	6.78	-11.31
WATER.P	0.685	1.000	18.65	28.65a	13.60p	6.78	-11.26
LUBEOIL.P	0.823	0.870	4.76	44.76a	7.12p	8.95	-13.37
SEWAGE.S	0.472	1.025	7.03	55.14a	9.96s	9.39	-11.79
Total Tanks			382.20	3.22a	0.22p	8.21	
Total Weight			1,062.99	0.82a	0.00p	13.89	
HULL	Righting Arms:	Displ(LT)	LCB	TCB	VCB		
	1.025	1,062.94	0.74a	0.02p	7.74		-13.22
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1404.6	3.88f	-6.00	765.3	5.24f	5.51	
Sails	98.9	30.41a	-12.48	2503.1	3.80f	13.43	
Total Lateral Plane->	1503.4	1.62f	-6.43	3268.4	4.13f	11.57	

Least freeboard is 1.08 Ft located at 3.01f

ER Vent (Downflood) Height: 10.23ft

PATRICIA LEE Load Line Height: -0.29ft

Note: 208 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

46CFR28.565: CAPSIZES WITH WATER ON DECK

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	2.19 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	-0.14 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	7.50 F
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	1.03 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	1.70 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	-0.67 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	19.69 F

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	2.19 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	7.50 F
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	1.03 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	-0.67 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	1.02 F

46CFR28.575: CAPSIZES WITH 53.4 KNOT WIND

Roll angle = 17.42 degrees.

IMO parameters:

K = 0.700
L = 123.45
VCG = 13.89
T = 10.6

X1 = 0.966
B = 34.18
Draft = 13.17
C = 0.460

X2 = 0.987
D = 13.22
WG = 0.69
GM = 2.19

Cb = 0.667
BDR = 2.586
R = 0.761
S = 0.075

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 3

Page C26
SR-INV

50% Consum., 208 Pots, Holds 2 and 3 Full
Light Ship Source: MSC2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 13.287 @ 60.63f, 13.059 @ 0.00, 12.832 @ 60.63a

Trim: Fwd 0.46/121.25, Heel: Port 0.12 deg.

Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP MSC2019	578.33	0.52a	0.00	15.26			
Crew and Stores	2.50	8.60a	0.00	16.80			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	1.33s	32.76			
POTS-Tier5: 32	12.39	9.00f	8.55s	36.26			
Ice	22.54	0.51a	0.21p	29.34			
Total Fixed	680.78	0.53f	0.17s	17.08			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
AFTFUEL.S	0.420	0.870	9.82	44.33a	10.46s	7.42	-9.59
AFTFUEL.P	0.687	0.870	12.10	44.56a	11.80p	8.77	-11.96
DAYTANK.P	0.925	0.870	11.70	55.46a	10.11p	10.94	-14.18
WATER.S	0.457	1.000	12.44	28.49a	13.53s	5.37	-8.38
WATER.P	0.457	1.000	12.44	28.49a	13.53p	5.37	-8.32
LUBEOIL.P	0.823	0.870	4.76	44.77a	7.12p	8.95	-12.97
SEWAGE.S	0.472	1.025	7.03	55.16a	9.96s	9.39	-11.29
Total Tanks			368.97	5.77a	0.33p	8.39	
Total Weight			1,049.76	1.68a	0.00p	14.03	
HULL		1.025	Displ(LT)	LCB	TCB	VCB	
			1,049.71	1.66a	0.02p	7.66	-13.06
	Righting Arms:			0.00	0.00		
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1384.3	2.84f	-5.90	786.0	6.74f	5.58	
Sails	98.9	30.41a	-12.60	2504.5	3.56f	13.62	
Total Lateral Plane->	1483.1	0.63f	-6.35	3290.4	4.32f	11.70	
Distances in FEET.							
Least freeboard is 1.26 Ft located at 1.20f							

ER Vent (Downflood) Height: 10.12ft

PATRICIA LEE Load Line Height: -0.14ft

Note: 208 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

46CFR28.565: CAPSIZES WITH WATER ON DECK

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	2.02 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	-0.15 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	8.10 F
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	1.13 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	1.88 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	-0.75 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	20.44 F

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	2.02 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	8.10 F
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	1.13 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	-0.75 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	1.11 F

46CFR28.575: CAPSIZES WITH 53.4 KNOT WIND

Roll angle = 17.15 degrees.

IMO parameters:

K = 0.700
L = 123.14
VCG = 14.03
T = 11.1

X1 = 0.961
B = 34.18
Draft = 13.05
C = 0.461

X2 = 0.988
D = 13.06
WG = 0.98
GM = 2.02

Cb = 0.669
BDR = 2.617
R = 0.775
S = 0.072

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 4

Page C27
SR-INV

25% Consum., 208 Pots, Holds 2 and 3 Full
Light Ship Source: MSC2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 13.709 @ 60.63f, 12.775 @ 0.00, 11.840 @ 60.63a

Trim: Fwd 1.87/121.25, Heel: Port 0.13 deg.

Part	Weight(LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP MSC2019	578.33	0.52a	0.00	15.26			
Crew and Stores	2.50	8.60a	0.00	16.80			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	0.00	32.76			
POTS-Tier5: 32	12.39	9.00f	6.65s	36.26			
Ice	22.54	0.51a	0.21p	29.34			
Total Fixed	680.78	0.53f	0.11s	17.08			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
DAYTANK.P	0.925	0.870	11.70	55.45a	10.12p	10.94	-14.83
WATER.S	0.228	1.000	6.22	27.83a	13.43s	3.89	-5.92
WATER.P	0.228	1.000	6.22	27.83a	13.43p	3.89	-5.86
LUBEOIL.P	0.823	0.870	4.76	44.76a	7.12p	8.95	-13.49
SEWAGE.S	0.472	1.025	7.03	55.14a	9.96s	9.39	-11.94
Total Tanks			334.61	2.36a	0.25p	8.47	
Total Weight			1,015.39	0.42a	0.00p	14.24	
Part	Displ(LT)	LCB	TCB	VCB	RefHt		
HULL	1,015.35	0.32a	0.02p	7.50	-12.77		
Righting Arms:							
		0.00	0.00				
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1350.3	4.32f	-5.80	820.5	4.48f	5.56	
Sails	98.9	30.40a	-11.96	2507.0	3.87f	13.86	
Total Lateral Plane->	1449.2	1.95f	-6.22	3327.6	4.02f	11.81	
Distances in FEET.							
Least freeboard is 1.51 Ft located at 3.92f							

ER Vent (Downflood) Height: 10.75ft

PATRICIA LEE Load Line Height: 0.14ft

Note: 208 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

46CFR28.565: CAPSIZES WITH WATER ON DECK

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	1.91 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	-0.16 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	8.99 F
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	1.08 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	2.32 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	-1.24 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	21.30 F

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	1.91 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	8.99 F
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	1.08 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	-1.24 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	1.33 F

46CFR28.575: CAPSIZES WITH 53.4 KNOT WIND

Roll angle = 16.90 degrees.

IMO parameters:

K = 0.700
L = 123.24
VCG = 14.24
T = 11.4

X1 = 0.951
B = 34.18
Draft = 12.72
C = 0.462

X2 = 0.984
D = 12.77
WG = 1.47
GM = 1.91

Cb = 0.660
BDR = 2.676
R = 0.799
S = 0.070

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 5

Page C28
SR-INV

10% Consum., 208 Pots, Holds 2 and 3 Full
Light Ship Source: MSC2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 13.610 @ 60.63f, 12.531 @ 0.00, 11.452 @ 60.63a

Trim: Fwd 2.16/121.25, Heel: Port 0.15 deg.

Part	Weight(LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP MSC2019	578.33	0.52a	0.00	15.26			
Crew and Stores	2.50	8.60a	0.00	16.80			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	0.00	32.76			
POTS-Tier5: 32	12.39	9.00f	6.63s	36.26			
Ice	22.54	0.51a	0.21p	29.34			
Total Fixed	680.78	0.53f	0.11s	17.08			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
AFTWING.S	0.467	0.870	8.32	6.16a	13.47s	3.73	-5.87
AFTWING.P	0.467	0.870	8.32	6.16a	13.47p	3.73	-5.80
DAYTANK.P	0.925	0.870	11.70	55.44a	10.12p	10.94	-14.95
WATER.S	0.091	1.000	2.49	26.21a	13.30s	2.86	-4.21
WATER.P	0.091	1.000	2.49	26.21a	13.31p	2.86	-4.14
LUBEOIL.P	0.823	0.870	4.76	44.75a	7.12p	8.95	-13.59
SEWAGE.S	0.472	1.025	7.03	55.13a	9.96s	9.39	-12.08
Total Tanks			308.15	1.48a	0.27p	8.60	
Total Weight			988.93	0.09a	0.00p	14.44	
HULL	Displ(LT)	LCB	TCB	VCB	RefHt		
HULL	988.89	0.03f	0.02p	7.37	-12.53		
Righting Arms:							
		0.00	0.00				
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1320.6	4.69f	-5.69	851.7	3.95f	5.59	
Sails	98.9	30.40a	-11.64	2512.6	3.94f	14.10	
Total Lateral Plane->	1419.5	2.25f	-6.11	3364.3	3.95f	11.94	
Distances in FEET.							
Least freeboard is 1.74 Ft located at 4.52f							

ER Vent (Downflood) Height: 11.05ft

PATRICIA LEE Load Line Height: 0.38ft

Note: 208 Pots Specified in Loading Condition, Max Capacity Limited to 200
Note: Heel Corrected by Shifting Pots

46CFR28.565: CAPSIZES WITH WATER ON DECK

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	1.76 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	-0.18 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	10.00 F
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	0.75 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	2.49 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	-1.74 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	21.75 F

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	1.76 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	10.00 F
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	0.75 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	-1.74 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	1.54 F

46CFR28.575: CAPSIZES WITH 53.4 KNOT WIND

Roll angle = 16.53 degrees.

IMO parameters:

K = 0.700
L = 123.15
VCG = 14.44
T = 11.9

X1 = 0.942
B = 34.18
Draft = 12.47
C = 0.463

X2 = 0.982
D = 12.53
WG = 1.91
GM = 1.76

Cb = 0.656
BDR = 2.728
R = 0.821
S = 0.067

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 6

Page C29
SR-INV

Max Consum., Tendering, All Holds Full
Light Ship Source: MSC2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 16.374 @ 60.63f, 14.466 @ 0.00, 12.557 @ 60.63a
Trim: Fwd 3.82/121.25, Heel: Stbd 0.02 deg.

Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP MSC2019	578.33	0.52a	0.00	15.26			
Crew and Stores	2.50	8.60a	0.00	16.80			
Tendering Equip	15.00	10.00f	2.76s	19.00			
Total Fixed	595.83	0.29a	0.07s	15.36			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
FWDWING.S	0.929	0.870	9.01	29.32f	13.01s	6.45	-8.62
FWDWING.P	0.929	0.870	9.01	29.32f	13.01p	6.45	-8.63
MIDWING.S	1.000	0.870	19.29	12.41f	13.56s	6.05	
MIDWING.P	1.000	0.870	19.29	12.41f	13.56p	6.05	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
AFTFUEL.S	1.000	0.870	23.41	44.73a	10.70s	10.05	
AFTFUEL.P	1.000	0.870	17.62	44.69a	11.87p	10.14	
DAYTANK.P	0.925	0.870	11.70	55.43a	10.11p	10.94	-15.74
WATER.S	0.913	1.000	24.87	28.71a	13.66s	8.14	-14.39
WATER.P	0.913	1.000	24.87	28.71a	13.66p	8.14	-14.40
LUBEOIL.P	0.823	0.870	4.76	44.73a	7.12p	8.95	-14.23
SEWAGE.S	0.472	1.025	7.03	55.10a	9.97s	9.40	-12.81
Total Tanks			588.44	1.59f	0.07p	8.61	
Total Weight			1,184.27	0.65f	0.00	12.01	
Part	Displ(LT)	LCB	TCB	VCB			
HULL	1,184.31	0.76f	0.00	8.39	-14.46		
Righting Arms:							
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1556.5	5.65f	-6.68	607.6	1.89f	5.43	
Sails	106.3	27.36a	-12.23	1007.2	3.93a	11.62	
Total Lateral Plane->	1662.7	3.54f	-7.04	1614.8	1.74a	9.29	
Distances in FEET.							
Least freeboard is -0.27 Ft located at 12.66f							

ER Vent (Downflood) Height: 9.55ft PATRICIA LEE Load Line Height: -1.51ft

Note: Heel Corrected by Shifting Tendering Equipment 2.76 feet

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	0.794 F
Relative angles measured from 18.050s			

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	1.50 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.49 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	45.72 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	6.51 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	5.76 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	0.75 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	75.57 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	1.50 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	45.72 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	6.51 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	0.75 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	15.76 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	6.95 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	< 1.000	2.696 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	2.696 P

Roll angle = 14.89 degrees.

IMO parameters:

K = 0.700
L = 124.73
VCG = 12.01
T = 12.7

X1 = 1.000
B = 34.18
Draft = 14.17
C = 0.454

X2 = 0.989
D = 14.47
WG = -2.48
GM = 1.50

Cb = 0.672
BDR = 2.363
R = 0.627
S = 0.062

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 7

Page C30
SR-INV

75% Consum., Tendering, All Holds Full
Light Ship Source: MSC2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 15.563 @ 60.63f, 13.965 @ 0.00, 12.367 @ 60.63a
Trim: Fwd 3.20/121.25, Heel: zero

Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP MSC2019	578.33	0.52a	0.00	15.26			
Crew and Stores	2.50	8.60a	0.00	16.80			
Tendering Equip	15.00	10.00f	2.73s	19.00			
Total Fixed	595.83	0.29a	0.07s	15.36			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
MIDWING.S	0.589	0.870	11.37	12.52f	13.47s	4.40	-6.49
MIDWING.P	0.589	0.870	11.37	12.52f	13.47p	4.40	-6.49
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
AFTFUEL.S	1.000	0.870	23.41	44.73a	10.70s	10.05	
AFTFUEL.P	1.000	0.870	17.62	44.69a	11.87p	10.14	
DAYTANK.P	0.925	0.870	11.70	55.43a	10.11p	10.94	-15.46
WATER.S	0.685	1.000	18.65	28.62a	13.60s	6.78	-11.68
WATER.P	0.685	1.000	18.65	28.62a	13.60p	6.78	-11.68
LUBEOIL.P	0.823	0.870	4.76	44.74a	7.12p	8.95	-14.00
SEWAGE.S	0.472	1.025	7.03	55.11a	9.97s	9.39	-12.53
Total Tanks			542.12	1.06f	0.08p	8.60	
Total Weight			1,137.95	0.35f	0.00	12.14	
HULL	1.025		Displ(LT)	LCB	TCB	VCB	
HULL	1.025		1,137.95	0.46f	0.00	8.15	-13.96
Righting Arms:				0.00	0.00		
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1499.1	5.25f	-6.40	664.0	2.94f	5.45	
Sails	98.8	30.41a	-12.81	1013.7	3.94a	12.02	
Total Lateral Plane->	1597.8	3.05f	-6.80	1677.7	1.22a	9.42	
Distances in FEET.							
Least freeboard is 0.29 Ft located at 10.25f							

ER Vent (Downflood) Height: 9.90ft PATRICIA LEE Load Line Height: -1.01ft

Note: Heel Corrected by Shifting Tendering Equipment 2.73 feet

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	1.939 P
Relative angles measured from 16.105s			

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	3.95 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.51 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	45.00 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	10.31 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	8.66 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	1.66 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	72.69 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	3.95 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	45.00 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	10.31 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	1.66 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	18.69 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	1.43 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	1.324 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	1.324 P

Roll angle = 18.34 degrees.

IMO parameters:

K = 0.700	X1 = 0.990	X2 = 0.989	Cb = 0.672
L = 124.27	B = 34.18	D = 13.97	BDR = 2.448
VCG = 12.14	Draft = 13.89	WG = -1.83	R = 0.651
T = 7.8	C = 0.456	GM = 3.95	S = 0.093

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 8

Page C31
SR-INV

50% Consum., Tendering, All Holds Full
Light Ship Source: MSC2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 15.511 @ 60.63f, 13.477 @ 0.00, 11.444 @ 60.63a

Trim: Fwd 4.07/121.25, Heel: zero

Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP MSC2019	578.33	0.52a	0.00	15.26			
Crew and Stores	2.50	8.60a	0.00	16.80			
Tendering Equip	15.00	10.00f	4.70s	19.00			
Total Fixed	595.83	0.29a	0.12s	15.36			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
AFTFUEL.S	0.517	0.870	12.10	44.38a	10.53s	7.88	-11.76
AFTFUEL.P	0.557	0.870	9.82	44.39a	11.76p	8.19	-12.20
DAYTANK.P	0.925	0.870	11.70	55.42a	10.11p	10.94	-15.86
WATER.S	0.457	1.000	12.44	28.38a	13.53s	5.37	-9.21
WATER.P	0.457	1.000	12.44	28.38a	13.53p	5.37	-9.21
LUBEOIL.P	0.823	0.870	4.76	44.73a	7.12p	8.95	-14.32
SEWAGE.S	0.472	1.025	7.03	55.09a	9.97s	9.40	-12.92
Total Tanks			487.86	3.10f	0.14p	8.62	
Total Weight			1,083.69	1.24f	0.00	12.33	
HULL	Righting Arms:	Displ(LT)	LCB	TCB	VCB		
	1.025	1,083.69	1.39f	0.00	7.90		-13.47
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1439.7	6.25f	-6.21	723.4	1.39f	5.46	
Sails	98.8	30.40a	-12.10	1013.7	3.76a	12.54	
Total Lateral Plane->	1538.4	3.90f	-6.59	1737.1	1.62a	9.59	

Distances in FEET.

Least freeboard is 0.69 Ft located at 12.96f

ER Vent (Downflood) Height: 10.60ft

PATRICIA LEE Load Line Height: -0.52ft

Note: Heel Corrected by Shifting Tendering Equipment 4.70 feet

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	3.518 P
Relative angles measured from 15.384s			
LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	3.81 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.53 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	44.32 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	14.18 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	10.72 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	3.46 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	70.60 P
LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	3.81 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	44.32 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	14.18 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	3.46 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	20.65 P
LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	1.59 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	1.544 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	1.544 P

Roll angle = 18.24 degrees.

IMO parameters:

K = 0.700
L = 124.17
VCG = 12.33
T = 8.0

X1 = 0.974
B = 34.18
Draft = 13.38
C = 0.458

X2 = 0.985
D = 13.48
WG = -1.19
GM = 3.81

Cb = 0.663
BDR = 2.536
R = 0.677
S = 0.092

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 9

Page C32
SR-INV

25% Consum., Tendering, All Holds Full
Light Ship Source: MSC2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 15.910 @ 60.63f, 13.186 @ 0.00, 10.462 @ 60.63a
Trim: Fwd 5.45/121.25, Heel: zero

Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP MSC2019	578.33	0.52a	0.00	15.26			
Crew and Stores	2.50	8.60a	0.00	16.80			
Tendering Equip	15.00	10.00f	5.46s	19.00			
Total Fixed	595.83	0.29a	0.14s	15.36			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
DAYTANK.P	0.925	0.870	11.70	55.41a	10.12p	10.94	-16.48
WATER.S	0.228	1.000	6.22	27.61a	13.43s	3.90	-6.75
WATER.P	0.228	1.000	6.22	27.61a	13.43p	3.90	-6.75
LUBEOIL.P	0.823	0.870	4.76	44.71a	7.12p	8.95	-14.82
SEWAGE.S	0.472	1.025	7.03	55.07a	9.97s	9.40	-13.55
Total Tanks			453.50	6.29f	0.18p	8.70	
Total Weight			1,049.33	2.55f	0.00	12.48	
Part	Displ(LT)	LCB	TCB	VCB			
HULL	1,049.33	2.76f	0.00	7.77	-13.17		
Righting Arms:							
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1405.5	7.73f	-6.14	757.5	0.77a	5.50	
Sails	98.8	30.38a	-11.46	1013.7	3.46a	12.88	
Total Lateral Plane->	1504.3	5.23f	-6.49	1771.2	2.31a	9.72	

Least freeboard is 0.80 Ft located at 20.51f

ER Vent (Downflood) Height: 11.22ft PATRICIA LEE Load Line Height: -0.23ft

Note: Heel Corrected by Shifting Tendering Equipment 5.46 feet

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	4.572 P
Relative angles measured from 14.587p			
LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	3.79 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.54 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	44.43 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	16.72 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	11.54 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	5.18 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	70.44 P
LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	3.79 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	44.43 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	16.72 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	5.18 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	21.76 P
LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	1.69 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	1.729 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	1.729 P

Roll angle = 18.17 degrees.

IMO parameters:

K = 0.700	X1 = 0.965	X2 = 0.981	Cb = 0.656
L = 124.31	B = 34.18	D = 13.19	BDR = 2.592
VCG = 12.48	Draft = 13.07	WG = -0.82	R = 0.693
T = 8.1	C = 0.460	GM = 3.79	S = 0.091

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 10

Page C33
SR-INV

10% Consum., Tendering, All Holds Full
Light Ship Source: MSC2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 15.820 @ 60.63f, 12.943 @ 0.00, 10.066 @ 60.63a
Trim: Fwd 5.75/121.25, Heel: zero

Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP MSC2019	578.33	0.52a	0.00	15.26			
Crew and Stores	2.50	8.60a	0.00	16.80			
Tendering Equip	15.00	10.00f	5.46s	19.00			
Total Fixed	595.83	0.29a	0.14s	15.36			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	1.025	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
AFTWING.S	0.467	0.870	8.32	5.96a	13.47s	3.74	-6.01
AFTWING.P	0.467	0.870	8.32	5.96a	13.47p	3.74	-6.01
DAYTANK.P	0.925	0.870	11.70	55.40a	10.12p	10.94	-16.62
WATER.S	0.091	1.000	2.49	25.89a	13.31s	2.87	-4.99
WATER.P	0.091	1.000	2.49	25.89a	13.31p	2.87	-4.99
LUBEOIL.P	0.823	0.870	4.76	44.71a	7.12p	8.95	-14.94
SEWAGE.S	0.472	1.025	7.03	55.06a	9.97s	9.40	-13.69
Total Tanks			427.04	7.47f	0.19p	8.81	
Total Weight			1,022.87	2.95f	0.00	12.63	
Part	Displ(LT)	LCB	TCB	VCB			
HULL	1,022.87	3.19f	0.00	7.65	-12.93		
Righting Arms:							
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1376.0	8.16f	-6.04	787.1	1.13a	5.54	
Sails	98.8	30.37a	-11.14	1013.7	3.40a	13.13	
Total Lateral Plane->	1474.7	5.58f	-6.38	1800.8	2.41a	9.81	

Least freeboard is 0.99 Ft located at 22.62f

ER Vent (Downflood) Height: 11.53ft PATRICIA LEE Load Line Height: 0.01ft

Note: Heel Corrected by Shifting Tendering Equipment 5.46 feet

LIM	46CFR28.565_WATER_ON_DECK CRITERION	Min/Max	Attained
(1)	Res. Area Ratio from abs 0 deg to 40 or Flood	> 1.000	5.370 P

Relative angles measured from 14.013p

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	3.69 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.54 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	44.00 P
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	18.12 P
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	12.12 P
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	5.99 P
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	68.59 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	3.69 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	44.00 P
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	18.12 P
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	5.99 P
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	21.69 P

LIM	46CFR28.575_SEVERE_WIND_&_ROLL	Min/Max	Attained
(1)	Absolute Angle at Equilibrium	< 14.00 deg	1.81 P
(2)	Res. Ratio from Roll to abs 50 deg or Flood	> 1.000	1.787 P
(3)	Res. Area Ratio from Roll to Flood or RAzero	> 1.000	1.787 P

Roll angle = 18.11 degrees.

IMO parameters:

K = 0.700	X1 = 0.957	X2 = 0.979	Cb = 0.651
L = 124.24	B = 34.18	D = 12.94	BDR = 2.641
VCG = 12.63	Draft = 12.82	WG = -0.46	R = 0.709
T = 8.2	C = 0.461	GM = 3.69	S = 0.091

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
2019 STABILITY BOOK COND. 11

Page C34
SR-INV

Crabbing, 3 Holds Full, 168 Pots
Light Ship Source: MSC2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Origin Depth: -6.465

Trim: Fwd 9.05/121.25, Heel: Port 179.97 deg.

Part	Weight(LT)	LCG	TCG	VCG	RefHt	
LIGHT SHIP MSC2019	578.33	0.52a	0.00	15.26		
Crew and Stores	2.50	8.60a	0.00	16.80		
POTS-Tier1: 72	27.87	9.00f	0.00	20.26		
POTS-Tier2: 32	12.39	9.00f	0.00	25.76		
POTS-Tier3: 32	12.39	9.00f	0.00	29.26		
POTS-Tier4: 32	12.39	9.00f	6.64s	32.76		
Ice	21.62	0.92a	0.22p	28.15		
Total Fixed	667.47	0.36f	0.12s	16.67		
Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD1.C	1.000	118.89	30.60f	0.00	9.36	
HOLD2.C	1.000	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	122.17	6.26a	0.00	8.81	
MIDWING.S	1.000	19.29	12.41f	13.56s	6.05	
MIDWING.P	1.000	19.29	12.41f	13.56p	6.05	
AFTWING.S	1.000	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	17.82	6.26a	13.60p	5.95	
DAYTANK.P	0.925	11.70	55.61a	10.22p	11.46	4.15
WATER.S	0.913	24.87	28.93a	13.73s	9.19	1.46
WATER.P	0.913	24.87	28.93a	13.73p	9.19	1.48
LUBEOIL.P	0.823	4.76	45.01a	7.13p	10.63	3.43
SEWAGE.S	0.472	7.03	55.62a	10.30s	12.96	7.26
Total Tanks		529.39	4.21f	0.15p	8.74	
Total Weight		1,196.86	2.06f	0.00p	13.16	
HULL	1.025	Displ(LT)	LCB	TCB	VCB	RefHt
		1,196.75	2.11f	0.00p	13.80	6.47
Righting Arms:						
			0.00	0.00p		
Part	LPA	LCP	HCP	LPA	LCP	HCP
Displacers	1562.2	9.15f	-8.28	602.6	11.57a	3.01
Sails	2243.5	0.92f	-19.35	98.8	30.36a	8.38
Total Lateral Plane->	3805.7	4.30f	-14.80	701.3	14.22a	3.77
Distances in FEET.						
Least freeboard is -28.49 Ft located at 70.13f						

ER Vent (Downflood) Height: -14.40ft

PATRICIA LEE Load Line Height: -6.46ft

Note: Heel Corrected by Shifting Pots

CAPSIZED IN LOADED STATIC CONDITION

46CFR28.565: CAPSIZES WITH WATER ON DECK

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	-1.06 F
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	-0.08 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	0.00 F
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	0.00 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	-4.11 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	0.00 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	180.00 P

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49	-1.06 F
(2)	Absolute Angle at MaxRA	> 15.00 deg	0.00 F
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	-4.25 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	-0.14 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	0.00 F

46CFR28.575: CAPSIZES WITH 53.4 KNOT WIND

Roll angle = 11.14 degrees.

IMO parameters:

K = 0.700 X1 = 1.000 X2 = 0.973 Cb = 0.641
L = 126.01 B = 34.18 D = 15.17 BDR = 2.253
VCG = 13.09 Draft = 14.04 WG = -2.21 R = 0.643
T = C = 0.451 GM = 0.00 S = 0.035

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
INVESTIGATING OFFICER'S COND. 1

Page C35
SR-INV

195 Pots, Holds 2 and 3 Full. Fuel and Water Full, 20kip bait
Light Ship Source: Culver2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 13.185 @ 60.63f, 13.745 @ 0.00, 14.306 @ 60.63a
Trim: Aft 1.12/121.25, Heel: Port 0.09 deg.

Part	Weight(LT)	LCG	TCG	VCG	RefHt	
LIGHT SHIP Culver2019	548.32	3.30a	0.00	14.69		
Crew and Stores	2.50	8.60a	0.00	16.80		
Bait	8.93	50.00f	8.00p	22.00		
POTS-Tier1: 72	27.87	9.00f	0.00	20.26		
POTS-Tier2: 32	12.39	9.00f	0.00	25.76		
POTS-Tier3: 32	12.39	9.00f	0.00	29.26		
POTS-Tier4: 32	12.39	9.00f	1.87s	32.76		
POTS-Tier5: 27	10.45	9.00f	8.55s	36.26		
Ice	22.54	0.51a	0.21p	29.34		
Total Fixed	657.77	1.09a	0.06s	16.70		
Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81
FWDWING.S	0.929	0.870	9.01	29.19f	13.02s	6.44
FWDWING.P	0.929	0.870	9.01	29.19f	13.02p	6.44
MIDWING.S	1.000	0.870	19.29	12.41f	13.56s	6.05
MIDWING.P	1.000	0.870	19.29	12.41f	13.56p	6.05
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95
AFTFUEL.S	1.000	0.870	23.41	44.73a	10.70s	10.05
AFTFUEL.P	1.000	0.870	17.62	44.69a	11.87p	10.14
DAYTANK.P	0.925	0.870	11.70	55.48a	10.11p	10.94
WATER.S	0.913	1.000	24.87	28.79a	13.66s	8.13
WATER.P	0.913	1.000	24.87	28.79a	13.66p	8.13
LUBEOIL.P	0.823	0.870	4.76	44.79a	7.12p	8.95
SEWAGE.S	0.472	1.025	7.03	55.19a	9.96s	9.39
Total Tanks			469.55	5.77a	0.09p	8.42
Total Weight			1,127.31	3.04a	0.00p	13.25
HULL	1.025	Displ(LT)	LCB	TCB	VCB	RefHt
		1,127.27	3.09a	0.01p	8.06	-13.74
Righting Arms:			0.00	0.00		
Part	LPA	LCP	HCP	LPA	LCP	HCP
Displacers	1467.6	1.25f	-6.20	700.5	10.13f	5.63
Sails	98.8	30.42a	-13.68	2496.0	3.20f	12.98
Total Lateral Plane->	1566.4	0.75a	-6.68	3196.6	4.72f	11.37
Distances in FEET.						
Least freeboard is 0.41 Ft located at 27.15a						

ER Vent (Downflood) Height: 9.03ft PATRICIA LEE Load Line Height: -0.81ft

Note: Heel Corrected by Shifting Pots

46CFR28.565: CAPSIZES WITH WATER ON DECK

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	2.75 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.04 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	7.50 F
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	3.17 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	3.15 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	0.03 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	39.42 F

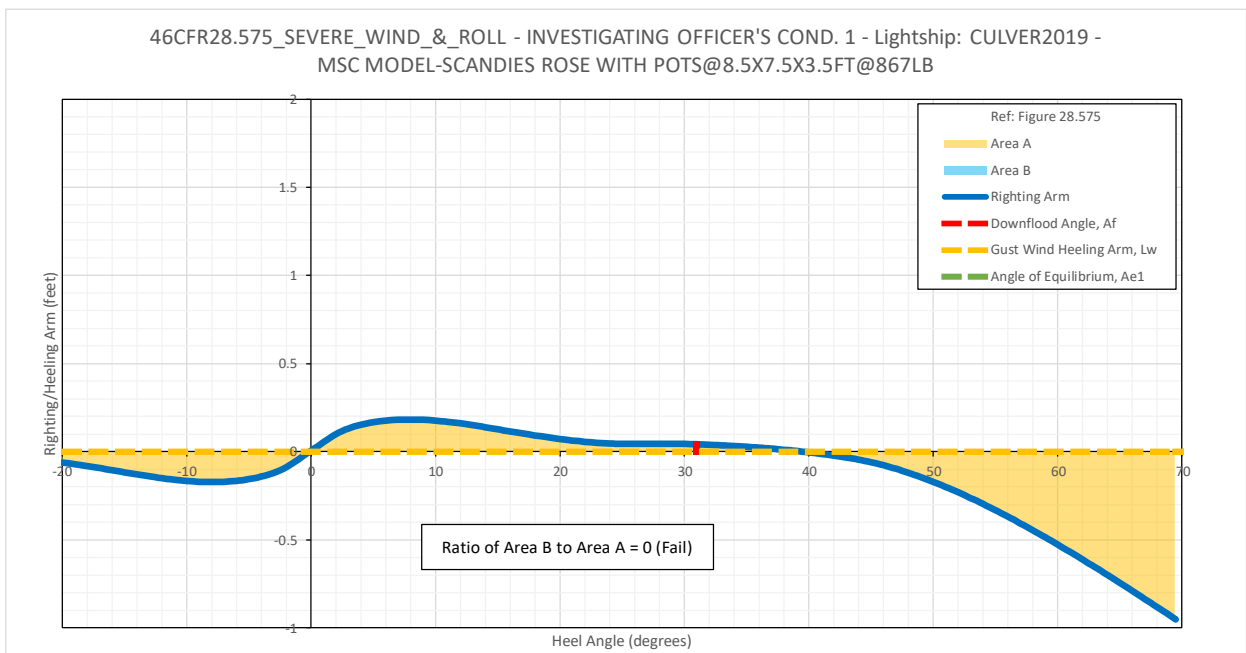
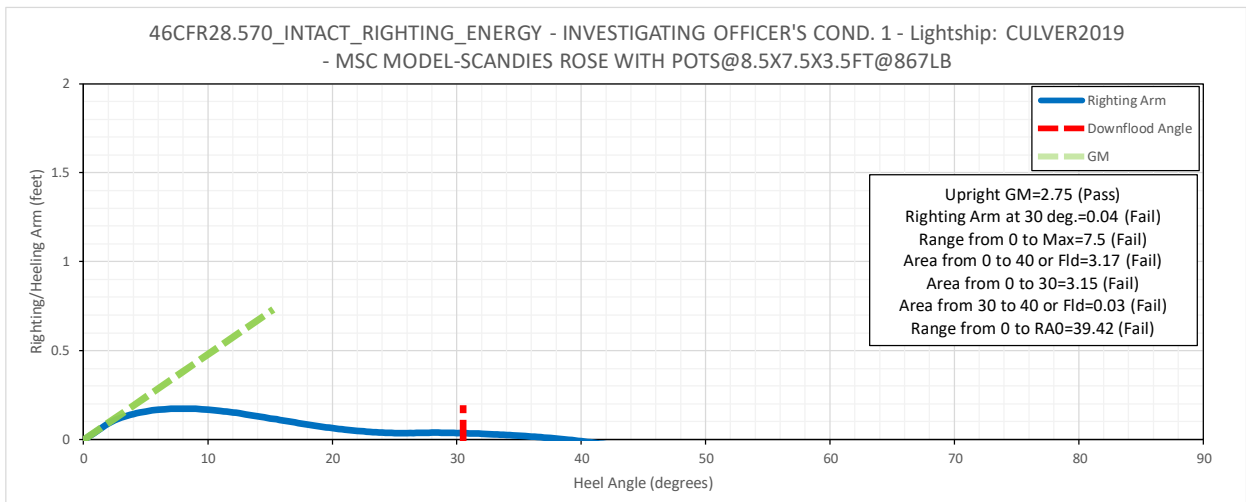
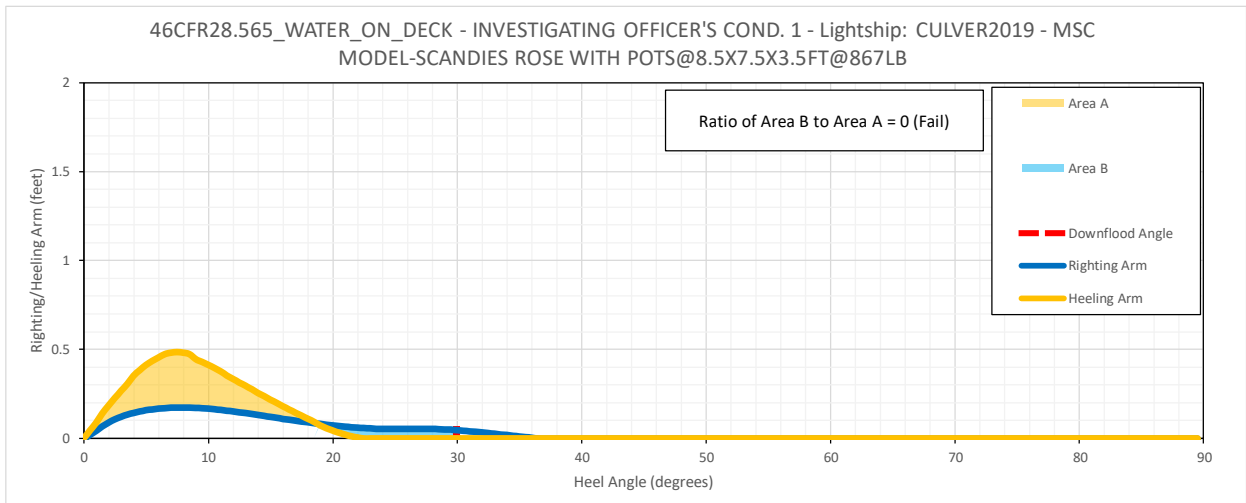
LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	2.75 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	7.50 F
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	3.17 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	0.03 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	0.96 F

46CFR28.575: CAPSIZES WITH 53.4 KNOT WIND

Roll angle = 18.06 degrees.

IMO parameters:

K = 0.700	X1 = 0.983	X2 = 0.993	Cb = 0.682
L = 123.17	B = 34.18	D = 13.75	BDR = 2.487
VCG = 13.25	Draft = 13.78	WG = -0.52	R = 0.707
T = 9.4	C = 0.457	GM = 2.75	S = 0.083



11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
INVESTIGATING OFFICER'S COND. 2

Page C36
SR-INV

195 Pots, Holds 2 and 3 Full. Fuel and Water Full except #1 WTs, 20kip bait
Light Ship Source: Culver2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS							
Baseline draft: 12.649 @ 60.63f, 13.553 @ 0.00, 14.457 @ 60.63a							
Trim: Aft 1.81/121.25,		Heel: Port 0.10 deg.					
Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP Culver2019	548.32	3.30a	0.00	14.69			
Crew and Stores	2.50	8.60a	0.00	16.80			
Bait	8.93	50.00f	8.00p	22.00			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	1.84s	32.76			
POTS-Tier5: 27	10.45	9.00f	8.55s	36.26			
Ice	22.54	0.51a	0.21p	29.34			
Total Fixed	657.77	1.09a	0.05s	16.70			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
MIDWING.S	1.000	0.870	19.29	12.41f	13.56s	6.05	
MIDWING.P	1.000	0.870	19.29	12.41f	13.56p	6.05	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
AFTFUEL.S	1.000	0.870	23.41	44.73a	10.70s	10.05	
AFTFUEL.P	1.000	0.870	17.62	44.69a	11.87p	10.14	
DAYTANK.P	0.925	0.870	11.70	55.49a	10.11p	10.94	-13.14
WATER.S	0.913	1.000	24.87	28.81a	13.66s	8.14	-13.08
WATER.P	0.913	1.000	24.87	28.81a	13.66p	8.14	-13.03
LUBEOIL.P	0.823	0.870	4.76	44.80a	7.12p	8.95	-12.12
SEWAGE.S	0.472	1.025	7.03	55.21a	9.96s	9.39	-10.25
Total Tanks			451.53	7.16a	0.09p	8.50	
Total Weight			1,109.29	3.56a	0.00p	13.36	
HULL	1.025	Displ(LT)	LCB	TCB	VCB		
		1,109.25	3.64a	0.01p	7.98	-13.55	
Righting Arms:							
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1443.5	0.61f	-6.11	725.3	10.89f	5.69	
Sails	98.8	30.42a	-13.66	2499.0	3.05f	13.19	
Total Lateral Plane->	1542.4	1.38a	-6.59	3224.3	4.82f	11.50	
Distances in FEET.							
Least freeboard is 0.45 Ft located at 27.15a							

ER Vent (Downflood) Height: 9.03ft PATRICIA LEE Load Line Height: -0.63ft

Note: Heel Corrected by Shifting Pots

46CFR28.565: CAPSIZES WITH WATER ON DECK

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	2.65 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	0.06 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	9.04 F
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	3.93 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	3.89 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	0.04 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	38.08 F

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	2.65 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	9.04 F
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	3.93 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	0.04 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	1.33 F

46CFR28.575: CAPSIZES WITH 53.4 KNOT WIND

Roll angle = 17.96 degrees.

IMO parameters:

K = 0.700	X1 = 0.977	X2 = 0.993	Cb = 0.682
L = 122.91	B = 34.18	D = 13.55	BDR = 2.522
VCG = 13.36	Draft = 13.61	WG = -0.24	R = 0.719
T = 9.6	C = 0.458	GM = 2.65	S = 0.082

11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
INVESTIGATING OFFICER'S COND. 1

Page C37
SR-INV

195 Pots, Holds 2 and 3 Full. Fuel and Water Full, 20kip bait
Light Ship Source: MSC2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS

Baseline draft: 14.441 @ 60.63f, 14.082 @ 0.00, 13.723 @ 60.63a
Trim: Fwd 0.72/121.25, Heel: Port 0.10 deg.

Part	Weight(LT)	LCG	TCG	VCG	RefHt		
LIGHT SHIP MSC2019	578.33	0.52a	0.00	15.26			
Crew and Stores	2.50	8.60a	0.00	16.80			
Bait	8.93	50.00f	8.00p	22.00			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	1.83s	32.76			
POTS-Tier5: 27	10.45	9.00f	8.55s	36.26			
Ice	22.54	0.51a	0.21p	29.34			
Total Fixed	687.78	1.15f	0.05s	17.09			
	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
FWDWING.S	0.929	0.870	9.01	29.24f	13.02s	6.44	-9.42
FWDWING.P	0.929	0.870	9.01	29.24f	13.02p	6.44	-9.37
MIDWING.S	1.000	0.870	19.29	12.41f	13.56s	6.05	
MIDWING.P	1.000	0.870	19.29	12.41f	13.56p	6.05	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
AFTFUEL.S	1.000	0.870	23.41	44.73a	10.70s	10.05	
AFTFUEL.P	1.000	0.870	17.62	44.69a	11.87p	10.14	
DAYTANK.P	0.925	0.870	11.70	55.46a	10.11p	10.94	-14.30
WATER.S	0.913	1.000	24.87	28.76a	13.66s	8.13	-13.69
WATER.P	0.913	1.000	24.87	28.76a	13.66p	8.13	-13.64
LUBEOIL.P	0.823	0.870	4.76	44.77a	7.12p	8.95	-13.06
SEWAGE.S	0.472	1.025	7.03	55.16a	9.96s	9.39	-11.41
Total Tanks			469.55	5.76a	0.09p	8.42	
Total Weight			1,157.32	1.65a	0.00p	13.57	
			Displ(LT)	LCB	TCB	VCB	
HULL		1.025	1,157.28	1.62a	0.01p	8.21	-14.08
		Righting Arms:		0.00	0.00		
Part		LPA	LCP	HCP	LPA	LCP	HCP
Displacers		1510.7	2.92f	-6.39	658.5	7.40f	5.51
Sails		98.8	30.41a	-13.55	2500.4	3.61f	12.59
Total Lateral Plane->		1609.5	0.87f	-6.83	3158.9	4.40f	11.11
Distances in FEET.							
Least freeboard is 0.24 Ft located at 1.50f							

ER Vent (Downflood) Height: 9.17ft PATRICIA LEE Load Line Height: -1.16ft

Note: Heel Corrected by Shifting Pots

46CFR28.565: CAPSIZES WITH WATER ON DECK

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	2.44 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	-0.22 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	3.80 F
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	-2.50 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	-2.37 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	-0.13 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	10.47 F

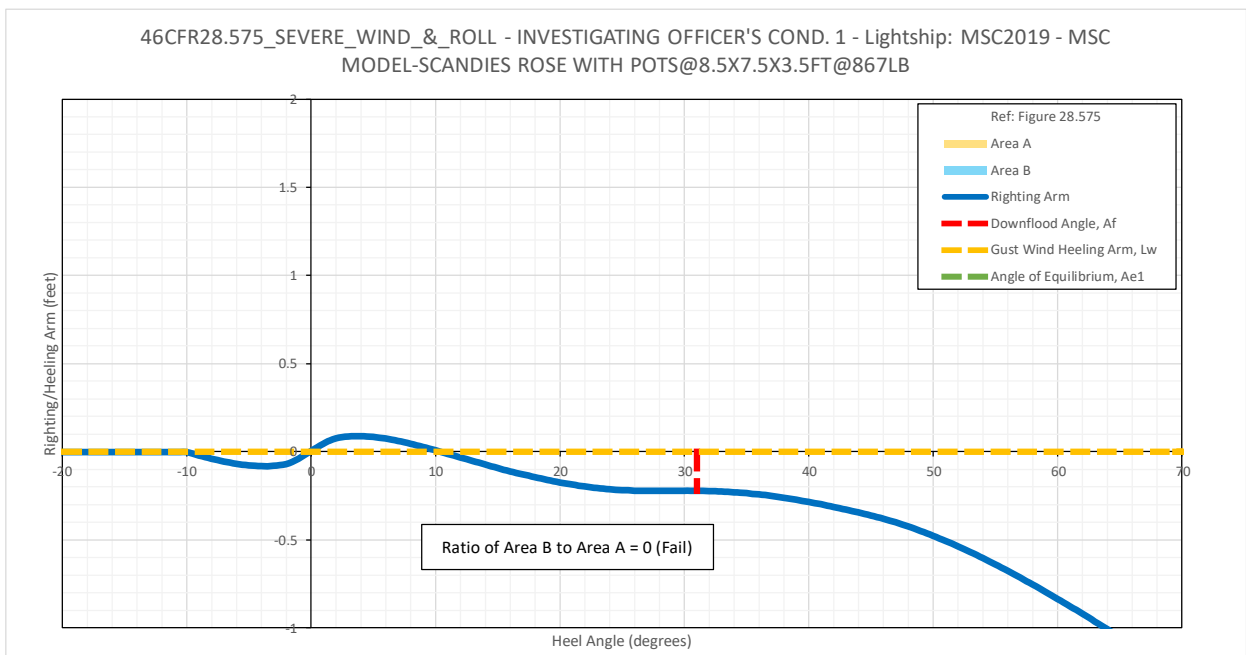
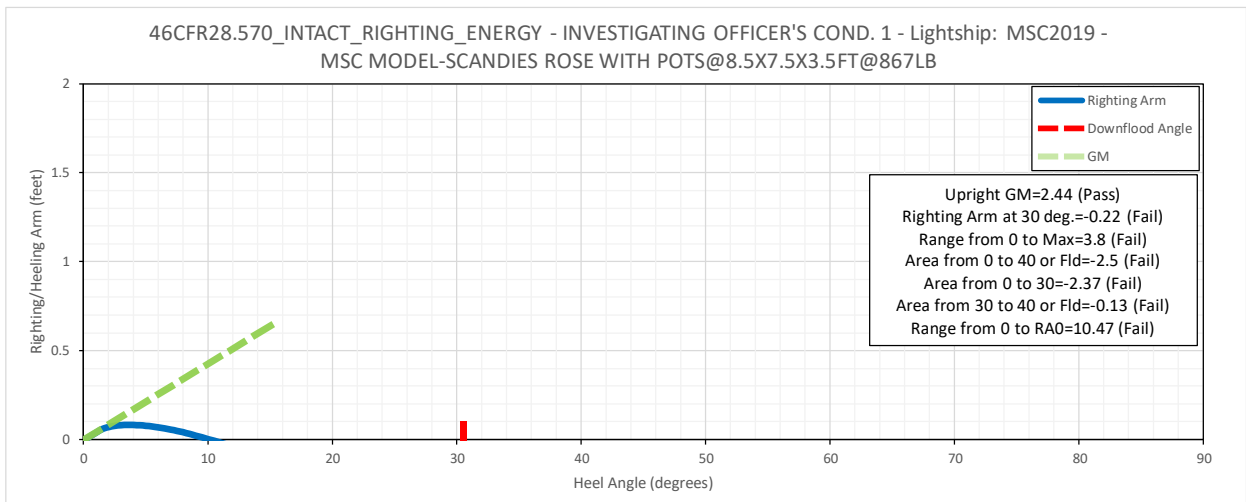
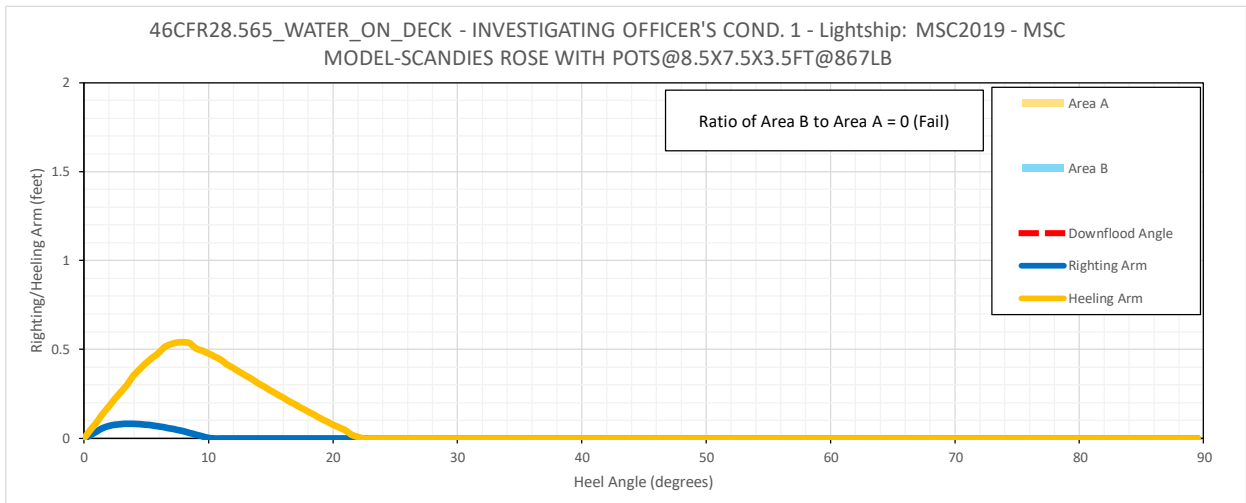
LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	2.44 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	3.79 F
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	-2.50 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	-0.13 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	0.23 F

46CFR28.575: CAPSIZES WITH 53.4 KNOT WIND

Roll angle = 17.88 degrees.

IMO parameters:

K = 0.700	X1 = 0.994	X2 = 0.992	Cb = 0.680
L = 123.80	B = 34.18	D = 14.08	BDR = 2.427
VCG = 13.57	Draft = 14.06	WG = -0.50	R = 0.709
T = 10.0	C = 0.456	GM = 2.44	S = 0.080



11/01/20 16:00:59
GHS 17.34B

USCG - SERT - Emergency Use Only
MSC MODEL-SCANDIES ROSE WITH POTS@8.5X7.5X3.5FT@867LB
INVESTIGATING OFFICER'S COND. 2

Page C38
SR-INV

195 Pots, Holds 2 and 3 Full. Fuel and Water Full except #1 WTs, 20kip bait
Light Ship Source: MSC2019

WEIGHT and DISPLACEMENT and LATERAL PLANE and FREEBOARD STATUS							
Baseline draft: 13.919 @ 60.63f, 13.894 @ 0.00, 13.869 @ 60.63a							
Trim: Fwd 0.05/121.25,		Heel: Port 0.09 deg.					
Part	Weight(LT)	LCG	TCG	VCG			
LIGHT SHIP MSC2019	578.33	0.52a	0.00	15.26			
Crew and Stores	2.50	8.60a	0.00	16.80			
Bait	8.93	50.00f	8.00p	22.00			
POTS-Tier1: 72	27.87	9.00f	0.00	20.26			
POTS-Tier2: 32	12.39	9.00f	0.00	25.76			
POTS-Tier3: 32	12.39	9.00f	0.00	29.26			
POTS-Tier4: 32	12.39	9.00f	1.89s	32.76			
POTS-Tier5: 27	10.45	9.00f	8.55s	36.26			
Ice	22.54	0.51a	0.21p	29.34			
Total Fixed	687.78	1.15f	0.05s	17.09			
Part	Load	SpGr	Weight(LT)	LCG	TCG	VCG	RefHt
HOLD2.C	1.000	1.025	140.87	12.72f	0.00	8.94	
HOLD3.C	1.000	1.025	122.17	6.26a	0.00	8.81	
MIDWING.S	1.000	0.870	19.29	12.41f	13.56s	6.05	
MIDWING.P	1.000	0.870	19.29	12.41f	13.56p	6.05	
AFTWING.S	1.000	0.870	17.82	6.26a	13.60s	5.95	
AFTWING.P	1.000	0.870	17.82	6.26a	13.60p	5.95	
AFTFUEL.S	1.000	0.870	23.41	44.73a	10.70s	10.05	
AFTFUEL.P	1.000	0.870	17.62	44.69a	11.87p	10.14	
DAYTANK.P	0.925	0.870	11.70	55.47a	10.11p	10.94	-14.00
WATER.S	0.913	1.000	24.87	28.77a	13.66s	8.13	-13.52
WATER.P	0.913	1.000	24.87	28.77a	13.66p	8.13	-13.48
LUBEOIL.P	0.823	0.870	4.76	44.78a	7.12p	8.95	-12.82
SEWAGE.S	0.472	1.025	7.03	55.17a	9.96s	9.39	-11.10
Total Tanks			451.53	7.16a	0.09p	8.50	
Total Weight			1,139.30	2.14a	0.00p	13.69	
		Displ(LT)		LCB	TCB	VCB	
HULL		1.025	1,139.26	2.14a	0.01p	8.12	-13.89
		Righting Arms:		0.00	0.00		
Part	LPA	LCP	HCP	LPA	LCP	HCP	
Displacers	1486.8	2.33f	-6.29	681.9	8.35f	5.55	
Sails	98.8	30.41a	-13.53	2498.1	3.46f	12.80	
Total Lateral Plane->	1585.6	0.29f	-6.74	3180.0	4.51f	11.24	
Distances in FEET.							
Least freeboard is 0.43 Ft located at 0.01a							

ER Vent (Downflood) Height: 9.20ft PATRICIA LEE Load Line Height: -0.97ft

Note: Heel Corrected by Shifting Pots

46CFR28.565: CAPSIZES WITH WATER ON DECK

LIM	46CFR28.570_INTACT_RIGHTING_ENERGY	Min/Max	Attained
(1)	GM Upright	> 1.15 Ft	2.33 P
(2)	Righting Arm at abs 30 deg	> 0.66 Ft	-0.22 F
(3)	Angle from abs 0 deg to MaxRA	> 25.00 deg	5.00 F
(4)	Abs Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	-1.73 F
(5)	Absolute Area from abs 0 deg to abs 30	> 10.30 Ft-deg	-1.54 F
(6)	Abs Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	-0.20 F
(7)	Angle from abs 0 deg to RAzero	> 50.00 deg	12.74 F

LIM	46CFR170.173(C)_ALT_TO_28.570	Min/Max	Attained
(1)	GM Upright	> 0.49 Ft	2.33 P
(2)	Absolute Angle at MaxRA	> 15.00 deg	5.00 F
(3)	Area from abs 0 deg to abs 40 or Flood	> 16.90 Ft-deg	-1.73 F
(4)	Area from abs 30 deg to abs 40 or Flood	> 5.60 Ft-deg	-0.20 F
(5)	Area from abs 0 deg to MaxRA at abs 15	> 13.00 Ft-deg	0.40 F

46CFR28.575: CAPSIZES WITH 53.4 KNOT WIND

Roll angle = 17.73 degrees.

IMO parameters:

K = 0.700	X1 = 0.988	X2 = 0.992	Cb = 0.680
L = 123.54	B = 34.18	D = 13.89	BDR = 2.460
VCG = 13.69	Draft = 13.89	WG = -0.21	R = 0.721
T = 10.2	C = 0.456	GM = 2.33	S = 0.078