



Officer of the Watch

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OOW – Stability
SCOTVEC - SQA Answers

March 2005

1 (b) (i) 0.605 m (ii) 1573 t

2 (c) 43.1 t (d) 6.47 m

June 2005

1 (c) (i) 0.82 m (ii) 1.16 m (iii) 1.21 m

2 (b) 16.66 t/cm

2 (c) (i) 9190 t (ii) 13020 t (iii) 6.46 m

October 2005

1 (b) A 6.12 m F 5.29 m

2 (a) $GM_{\text{fluid}} - 1.38 \text{ m}$ (b) 0.081 m

November 2005

1 (b) (i) 43.7 cm (ii) 1442 mt

2 (b) A 6.40 m F 5.99 m

March 2006

1 (b) 0.625 m

2 (c) 4115.7 mt

July 2006

1 (b) (i) $\Delta - 22119.7 \text{ mt}$ (ii) 40.51 t/cm (iii) 37967.8 mt

(iv) 234 mm (v) 19447.8 mt

2 (b) A 6.49 m F 6.10 m

October 2006

1 (b) A 7.42 m F 4.88 m

2 (c) 1503 mt

December 2006

1 (b) (i) 0.351 m (ii) 1156.21 mt

2 (a) 1.29 m (b) 0.1025 m

March 2007

1 (b) (i) 0.60 m (ii) 1561.52 mt or 1560 mt

2 (b) 27.43 t/cm

2 (c) (i) 10737 (ii) 13037 (iii) 6.33 m

July 2007

1 (c) 3993 mt

2 (b) 1.394 m

October 2007

1 (b) A 6.75 m F 3.83 m

2 (a) 564.6 t (b) (i) 423.4 t (ii) 1.15 m

November 2007

1 (b) A 7.70 m F 4.10 m

2 (c) 31.8 t (d) 5.51 m

March 2008

1 (b) (i) 2684.65 t (ii) 2627.547 tm

2 (a) 7600 mt (b) 187 mm

July 2008

1 (a) 2970 t (b) 198 mm

2. A 7.14 m F 6.47 m

October 2008

1 (b) A 5.64 m F 4.77 m

2 (c) (i) 9084 t (ii) 13436 t (iii) 4352 t

(d) 6.50 m

November 2008

1 (b) A 5.87 m F 5.33 m

2 (b) 4993.388

(c) (i) $0^\circ \sim 65^\circ$ (ii) 35° (iii) 1.42 m (iv) 65° (v) 1.26m

(vi) 20°

March 2009

1 (b) 3.7° Port

2 (c) 26885.763 tm

July 2009

1 (b) 1.482 m

2 A 6.778 m F 5.387 m

July 2009

1 (b) 1.482m 2. A 6.778m, F 5.387m

October 2009

F 5.325m A 5.865m GM 0.556m

December 2009

3.92 port, F 4.303m, A 5.008m

March 2010

0.555m

July 2010

0.784m, 1.138m, 9.4 S - F 6.104m, A 6.901m, 126.9tt

October 2010

4.16 S, 8,872t, 12,768t, 3896.5t, 6.21m

December 2010

F 4.302m, A 5.008m, 50.8t

February 2011

2. 4.3 degrees, 1.3 degrees

March 2011

1. RM 840.9tm 2. 2.2 Port, 49.25t

June 2011

1. 1122t, 2. 4.664 - 7.768 72.5t

July 2011

1. 1,091t, 5.94m, 5.602m 2. GMf 0.189m

October 2011

2. 109.5 tons aft to fwd, Fwd draft 6.808m

December 2011

1. 858.6 tons 2. 7 degrees to Port, 97.4 tons to Stbd

February 2012

1. 2,904tm 2. 5.9 degrees to Stbd

March 2012

2. 6.76 degrees to Stbd

May 2012

1. 921tm
2. Cannot answer-insufficient data given.

July 2012

1. 2,112tm
2. 69.9m LCG b. 6.398Fwd 6.596 Aft

October 2012

1. 895t, 5.55m, 5.80m
2. 1.16m, 5.2 deg to Port

November 2012

1. 631.4t,
2. 35.4t, 7.522m

February 2013

1. 0.33m
2. 5 deg to stbd.

March 2013

1. 9.72m
2. 6.288m A 5.709m F Cannot sail

May 2013

2b 7.4 degrees to Stbd.

July 2013

1. 470.4mm 1129t/1150t
2. 3.6 deg to Stbd

October 2013

1. 8.52m, 8.00m
2. 0.19m, 902tons

November 2013

1. 54.9tons, 5.85m
2. 101tons, aft to fwd.

February 2014

1. 969.4 tons
2. 6.3 degrees to Stbd. 91.0t transferred

March 2014

1. 1,035.7t
2. 2. 69.34m, aft 7.823, fwd 6.224-vessel cannot sail

June 2014

1. 1,219.6tm, 2 6.1 deg stbd

July 2014

1. GMf 0.92m, 1,290t 2. 1.1deg Port, 32.6t

October 2014

1. 1,230t, 9.15m, 8.92m 2. A 7.656, F 7.957 126.1t

November 2014

1. 9,653tm 2. 6.5deg Port 78.8t

February 2015

1. 56.6t, GM 0.75m, 6.93m 2. 35.3t 70.31m

March 2015

1. 67.1t GM 0.91m, 6.068m, 2. 3.0deg stbd

June 2015 Q2 List 5.5 deg. to Port

July 2015

1. 1,296t 6.466m, 6.225m 2. 1.5deg Port 34.4t

October 2015

1. 1,101t 2. a) LCG 69.14m LCB 70.02m b) 40.8cm trim by the stern ok

December 2015

1. 0-68dg 68dg 0.5m 25dg 2. 3.4dg Port