



Officer of the Watch

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SQA Answers 2005-2009 inclusive

2005 March

- (1) F 5.98m, A 8.05m. GM 1.04m
- (2) (a) Discharge 1564t; (b) F 6.014m, A 6.977m.
- (3) (a) Righting Moment 2168tm; (b) Angle of loll 13.3°

July

- (1) F 7.503m A 5.633m; Ballast 1719t
- (2) Max trim 1.09m
- (3) GM 0.13m; Maz GZ 0.33m at 40° ; Area 30° 0.059mr; Area 40° 0.115mr; Area $30^\circ - 40^\circ$ 0.056mr.
Vessel does not comply.

November

- (1) F 8.002m, A 8.913m
- (2) (a) Actual 6033tm, Max. 7428tm (b) 9.8°
- (3) KG 10.42m

2006 March

- (1) F 16.227m, A 6.027m
- (2) (a) Max heel 10.0° (b) Increase in draught 1.670m (c) Max KG 7.48m
- (3) Displacement 14,719t

July

- (1) Angle of heel 12.5°
- (2) GM 1.92m; F 5.987m, A 8.358m
- (3) Heel 19.9° to port; Draught 11.12m

November

- (1) (a) Load 1,564t (b) No.1: 862t, No. 4: 702t
- (2) (a) GM -0.24 m (b) Loll 18.1°
- (3) (a) Displacement 17,678t (b) Cargo 1,328t

2007 March

- (1) Min. GM 1.06m
- (2) Max. trim 1.162m. Ballast to transfer 53.9t
- (3) GM 0.30m; Maz GZ 0.22m; Angle of Max. GZ 30°; Area to 30° 0.060mr; Area to 40° 0.095mr; Area 30° - 40° 0.035mr. Vessel complies (but only just!)

July

- (1) (a) F 5.550m, A 7.742m (b) Ballast 1481t
- (2) GM -0.02m
- (3) (a) 5.192m (b) 0.28m reduction
- (4) (b) Departure KG: Actual 7.80m, Max. 7.932mm OK;
Arrival KG: Actual 8.057m, Max. 8.008m Not OK.

November

- (1) (a) Actual 5621tm, Max. 7233tm (b) Heel 9.3°
- (2) (a) Loll 20.1° (b) GM +0.25m
- (3) F 16.182m, A 5.903m

2008 March

- (1) Heel 9.9°
- (2) F 7.566m, A 8.724m
- (3) GM 0.23m; Max GZ 0.51m; Angle of Max. GZ 39°; Area to 30° 0.077mr; Area to 40° 0.163mr; Area 30° - 40° 0.086mr. Vessel complies.

July

- (1) (a) Bunkers 231t (b) Ballast 47t
- (2) GM 1.08m, F 8.316m, A 8.596m
- (3) (a) GM -0.16m (b) Loll 16.0°

November

- (1) Lightship KG 10.37m
- (2) GM 0.95m; Heel 11°; Area 0.125m.r. Vessel complies.
- (3) (a) 15.1° to starboard (b) Draught 10.60m

2009 April

- (1) (a) Clearance 0.316m (b) Clearance 0.876m
- (2) GM 0.02m
- (3) Displacement 18,135t

July

- (1) 8.5°
- (2) (a) 140t (b) No.3P: 120t, No.3S: 20t
- (3) Max. trim 1.53m

November

- (1) (a) 5.304m (b) 0.602m reduction
- (2) (a) 18.1° (b) +0.238m
- (3) (a) GM 1.28m (b) F 6.944m, A 7.351m

SQA Answers 2010-2015 inclusive

2010 March

- (1) (a) Max. List 8.6° (b) Increase in draught 1.448m (c) Max. KG 7.51m
- (2) Lightship KG 10.68m
- (3) F 9.957m, A 7.073m
- (6) (b) Actual KG 9.00m, Max. KG 9.03m. Vessel complies

July

- (1)(a) Max. Heel 15.9° (b) Max. Heel 10.0°
- (2) Lightship KG 10.17m
- (3)(a) H.M. 5675t.m. Max H.M. 6829t.m. Vessel complies. (b) Approx. Heel 10.0°

December

- (1) (a) 1389t (b) No 1: 810t, No 5: 579t
- (2) GM 0.20m; Max GZ 0.17m; Angle of Max. GZ 30° ; Area to 30° 0.046mr; Area to 40° 0.072mr; Area $30^\circ - 40^\circ$ 0.026mr. Vessel does not comply.
- (4)(a) GM -0.10 m (b) Loll 12.3°

2011 March

- (1) (a) 0.446m (b) 1.000m
- (2) (a) 6.024m (b) 0.125m decrease (c) 2445tm
- (3) 354t

July

- (1) (a) F 4.694m, A 6.924m (b) Max. cargo 353t
- (2) GM -0.01 m
- (3) (b) 17.8° to starboard (c) 11.757m

November

- (1) (a) List 3.9° (b) Ballast 29.2t
- (2) (a) 15.5° (b) 0.053m
- (3) GM 0.04m

2012 March

- (1) (a) GM 1.07m (b) F 8.143m, A 8.578m
- (2) (a) 870t (b) No.1 hold: 593t, No.4 hold: 277t
- (3) (a) Righting Moment 1739tm (b) Loll 9.2°

July

- (1) (a) -0.13 m (b) 15.6° (c) $+0.01$ m (d) 37.5°
- (2) Clearance 0.493m
- (3) Displacement 18,311t

December

- (1) (a) F 3.818m A 4.139m (b) 23.9°
- (2) Max. trim 0.984m; Ballast 83t
- (3) Heel 14.1°

2013 March

- (1) F 10.090m, A 6.810m
- (2) Weight of timber 353t
- (3) (a) 5575tm (b) Loll 10.0°

July

- (1)(a) 10.2°, (b) 42t
- (2) GM 0.23m; Max GZ 0.40m; Angle of Max. GZ 38°; Area to 30° 0.072mr;
Area to 40° 0.138mr; Area 30° - 40° 0.066mr. Vessel complies.
- (3)(b) 18.2°, (c) 10.53m

November

- (1)(a) 7.174m (b) 0.638m (c) 3416t.m.
- (2)(a) 11.9° (b) 130t
- (3) GM -0.13m

2014

March

- (1)(a) 248t (b) 3P: 98t, 3S 150t
- (2) 20°, 28°
- (3) GM 1.29m; F6.790m, A 7.313m

July

- (1)(a) 6.487m (b) 0.197m reduction
- (2)(b) -1.23m
- (3) Actual 5969tm, Max 6428tm. Complies.
- (4)(c) 18.8°

November

- (1)(a) F 4.866m A 6.888m (b) 1,048t
- (2) KG 10.23m
- (3) GM 0.19m

2015

March

- (1) 1,487t (862t no1 and 625t no5)
- (2) 1.24m Min GM
- (3) 16,867.4 and 2,138.6t to load

July

- (1) 7.059m 9.589m
- (2) 10.0 stbd. 5.4 stbd. 26.1t
- (3) Gm 0.18 GZ 0.38 at 38deg. 0.064mr, 0.124mr, 0.06mr, vessel complies

December

- (1) 4.200m 3.855m 14.2deg Stbd. (2) 13.0deg (3) 17,132t 1,874t