



RULE MANAGEMENT GROUP

THE VOLVO OPEN 70 RULE

Memorandum 06

To All Entries
From James Dadd
Re Stability assessment

Rule 2.13.3 states,

"..... At least one hatch shall permit entry to, and exit from, the hull when fully inverted, in measurement condition, with a minimum clearance of 150mm above the waterplane."

Rule 2.3.2 states,

"The cockpit shall be entirely self-draining at any angle of heel from 0° up to and including 35°."

Rule 5.1 states,

5.1 Damaged Stability

"With any single compartment free flooding, the designer shall show by calculation that the minimum height of the deck above the damaged condition water plane will not be less than 500mm, with 0° keel cant...."

Rule 5.2 states,

5.2 Angle of Vanishing Stability (AVS)

"AVS is defined as the heel angle at which the righting arm (GZ) falls to zero, and shall not be less than 115°. The designer shall calculate the righting arm curve for the yacht with all tanks empty in the condition defined in rule 4.1.1, with all moveable appendages attached and fixed as per the worst case condition, and make a declaration of AVS to the Chief Measurer. At the discretion of the RMG, additional information and/or measurements may be required to verify AVS."

1. In order that the RMG may verify compliance with 2.3.2, competitors are required to submit calculations to the Chief Measurer demonstrating compliance with 2.3.2.
2. In order that the RMG may verify compliance with 2.13.3, competitors are required to submit calculations to the Chief Measurer demonstrating compliance with 2.13.3.
3. In order that the RMG may verify compliance with Rule 5.1, competitors are required to submit the requisite calculations to the Chief Measurer. The submitted calculations shall consider the loads and permitted volumes as detailed in 5.1.1, 5.1.2, 5.1.3, 5.1.4, and 5.1.5.
4. In order that the RMG may verify compliance with Rule 5.2, competitors are required to submit the following to the Chief Measurer.
 - (a) A full 360° hydrostatic stability curve (GZ) in worst case condition.
 - (b) Associated VCG value and weight study.

END

Signed on behalf of the Volvo Open 70 Rule Management Group

James Dadd, Chief Measurer
4th June 2008