



## RULE MANAGEMENT GROUP

# THE VOLVO OPEN 70 RULE

### RULE AMENDMENT 4

*This amendment is given in accordance with rule 1.1 of the Volvo Open 70 Rule Version 2*

#### **Canting Mechanisms and systems**

To ensure that full compliance with the Rule has been considered when designing and manufacturing the Ballast Keel canting mechanism and systems, an additional declaration is required.

#### **Remove:**

**1.6**

#### **Declaration**

The declarations found in Appendix B shall be signed by the designer and manufacturer of each yacht, spar and appendage, and shall be submitted to the Chief Measurer prior to a certificate being issued.

#### **Replace with:**

**1.6**

#### **Declaration**

The declarations found in Appendix B shall be signed by the designer and manufacturer of each yacht, spar, appendage, and Ballast Keel canting system, and shall be submitted to the Chief Measurer prior to a certificate being issued.

#### **Include in Appendix B:**

Keel Canting System Designer / Manufacturer declaration of rule compliance as attached below.

Signed on behalf of the Volvo Open 70 Rule Management Group

A handwritten signature in blue ink, appearing to read "J Dadd", written over a light blue horizontal line.

James Dadd, Chief Measurer  
7<sup>th</sup> September 2007



# VOLVO OPEN 70 RULE – VERSION 2

## Keel Canting System Designer / Manufacturer declaration of rule compliance

In accordance with Volvo Open 70 Rule 1.6, I declare that the canting mechanism & systems

.....  
for the yacht

.....  
which has been issued with Volvo 70 Hull Number .....  
have been built in full compliance with the Volvo Open 70 Rule.

I confirm that compliance with the following rules has been established:

Rule 2.14.5 Load case requirements for the keel, canting mechanism and associated structure.

Rule 2.14.8 Permitted Materials for Ballast Keel canting mechanisms and systems.

The minimum factors of safety for the listed components when subjected to the loads cases stipulated in Rule 2.14.5 are herewith supplied in the table below. Calculations have been attached to this declaration demonstrating how the factors of safety recorded in this table have been established. Material conformity documents are also included.

Component	Actual yield strength of material used for calculations	2.14.5 (a) Load Case 1	2.14.5 (b) Load Case 2
		Minimum F.O.S (YIELD)	Minimum F.O.S (YIELD)
Trunions			
Piston rods			
Cylinder tubes			
End covers			
Clevises, and connecting pins			
All thread connections associated with these components			

If cant mechanisms other than hydraulic rams are used, equivalent data shall be provided as specifically requested by the Chief Measurer.

Signed

Date:

.....  
Full name:

.....  
Job Title:

.....  
On behalf of:

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