

CHALLENGER OF RECORD & DEFENDER AMERICA'S CUP 36

Interpretation 046 of AC75 Class Rule Version 1.9 issued 20th March 2020

Rules References:

6.1 Rule 6 applies to all components except:

- (a) supplied components, such as the **foil arm stocks**, **foil arm leading edges**, the **FCS** and the **supplied rigging**;
- (b) material specified in the supplied **mast** drawing package;
- (c) electrical and electronic components, and their enclosures or housings, proving that:
 - (i) they have no significant structural contribution;
 - (ii) each assembly is limited to a maximum density of 11,400 kg/m³; and
 - (iii) materials with a density greater than 11,400 kg/m³ are not used in volumes that have any significant effect on the distribution of mass throughout the **yacht**.

Question:

Is a hydraulic valve operated by a solenoid circuit/winding that is manufactured and supplied integral to that valve body considered an “electrical or electronic component” for purposes of Rule 6.1(c)?

Interpretation:

If the solenoid cannot be physically removed from the hydraulic valve, then the solenoid operated hydraulic valve is both an electrical component and also a hydraulic component. Such a valve must comply with rules that govern electrical components and with rules that govern hydraulic components. Since hydraulic components are not excluded from the restrictions of rule 6, a hydraulic valve that is also an electrical component is not exempt from rule 6. If the solenoid could be physically separated from the valve, then the solenoid itself would fall under 6.1(c) and the other parts of the valve would not.

Answer:

No.

END

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