

CHALLENGER OF RECORD & DEFENDER AMERICA'S CUP 36

AC75 Interpretation 025 of AC75 Class Rule Version 1.5 issued 22nd August 2019

Rule References:

- 12.6 When **projected** on to **MWP**, no part of the **yacht**, other than the **foils, mast, sails, rigging, a code zero** furling unit (if fitted), supplied media equipment and wind instrumentation, shall lie outside of an area that combines:
- (a) an area **projected** by the **hull** on to **MWP**; and
 - (b) a rectangular area bounded by:
 - (i) **TRP**;
 - (ii) a plane 22.860 m forward of **TRP**; and
 - (iii) planes 0.400 m either side of **LCP**.
- 13.1 Each **foil** must comprise:
- (a) a **foil arm** and a **foil wing**, which must form a single **linear component**;
 - (b) two **foil flaps**, each of which must be a **linear component**; and
 - (c) one or more **foil** systems.
- 13.2 For the purposes of Rules 5 and 10:
- (a) a **foil** does not include the metal **foil arm** head, fasteners attaching the **foil arm** head to the **foil arm**, any **foil arm drum**, or any other components inside the **hull IGES** that are disconnected from a **foil** when it is removed from the **yacht**;
- 13.8 No part of a **foil**, except the ODA Lower Belt Assembly and the ODA Head Assembly identified in the AC75 One Design Foil Arm Assembly drawing, may touch any part of the **yacht** except:
- (a) a **foil arm drum**;
 - (b) hydraulic connections for **foil** systems;
 - (c) electrical and optical fibre connections; and
 - (d) the other **foil**, when both **foils** are in their lowest positions.
- 14.8 Permitted penetrations in the **hull** to allow **cant** rotation of each **foil arm** may be closed by a **foil arm drum**, which:
- (a) must fit entirely within the cylinder described in Rule 11.16 (b);
 - (b) must be a **linear component** and, in the absence of **external forces**, must remain undeformed at all **foil cant** angles;
 - (c) must not translate, and may only rotate about the relevant **foil cant** axis;
 - (d) may only rotate as a result of **foil cant** rotation; and

CHALLENGER OF RECORD & DEFENDER

AMERICA'S CUP 36

- (e) may either:
- (i) be attached to the **foil arm**, providing it can be disconnected to allow removal of the **foil arm** from the **yacht**; or
 - (ii) not be attached to the **foil arm** but rotate as a result of contact with the **foil arm**.

Questions:

1. When the foil arm drum is not attached to the foil arm stock as allowed by Rule 14.8 e) ii); is it part of the foil for the purposes of Rule 12.6?
2. When the foil arm drum is attached to the foil arm stock as allowed by Rule 14.8 e) i); is it part of the foil for the purposes of Rule 12.6?

Interpretation:

Rule 13.2 (a) refers to rules 5 and 10, where the question in the interpretation request asks for the reference to rule 12.6, which is seen as being independent from rule 5 and 10.

Rule 13.1 states that:

Each **foil** must comprise, a **foil arm** and a **foil wing**..., two **foil flaps**,...; and one or more **foil** systems.

In the rule 'must' is mandatory and the only appropriate OED definitions of the word "comprise" are:

4. Of things material: b. To contain, as parts making up the whole, to consist of (the parts specified).

9. The participles are used absolutely: = Including, included (cf. French *y compris*); so the gerund.

Therefore, rule 13.1 categorically states that no parts other than those listed in 13.1 may be part of a **foil**.

Answers:

1. No, it is not part of the **foil** for the purpose of rule 12.6.
2. No, it is not part of the **foil** for the purpose of rule 12.6.

END