

Test Report, Danish Alu Mast  
November 2007

In August 2007 the test mast from John Mast was rigged on boat DEN 782. DEN 782 is a fibre-glass boat by Folkebådscentralen. The last couple of years the boat has achieved good results and is in the top 5 at the Danish rank races.

During the period August to October the boat has been sailing weekly evening matches, local folkboat races and two rank races with the alu mast. The boat has been sailing in varying wind forces from light wind to very strong wind.

Especially the rank-list race "Århus Festuge" has to be mentioned. The first day there was a strong wind with blasts of wind up to 18 m/sec. This was an important test for us as the conditions gave us the possibility to estimate the qualities of the mast during these conditions. The mast passed this test without problems and the boat showed good sailing qualities compared with the other boats with wooden masts. In general the mast has been doing well on the regatta course. At the 2 rank races the boat achieved two second places. Fine results showing that this team has been sailing just as fine as they would have been sailing with their wooden mast.

We are convinced that the test mast can be trimmed to the same speed as a good wooden mast. However, it demands that the sails are adjusted to the alu mast and that the team is learning how to trim the alu mast.

We have not experienced problems with the strength of the mast or fittings besides a small problem with the mast foot mentioned in the test report from June 2007.

Therefore our conclusion for the entire test period in 2007 is positive. We think that the tested mast can be compared with a good wooden mast as regard strength and sailing qualities. Therefore we do not see any reason to change the made rule suggestion.

Here is a brief summary of the race results for the test mast in the Danish races:

Race	Boat	Date	Nos. of boats	Final place
Åbent Klubmesterskab	DEN 1041	29-30/9 2006	19	11
Nordea Cup	DEN 1041	19-20/5 2007	21	18
SMO 2007	DEN 1041	1-3/6 2007	24	17
Kignæs Open	DEN 782	25-26/8 2007	16	2
Århus Festuge	DEN 782	8-9/9 2007	19	2

Please check the Danish homepage [www.folkebaad.dk](http://www.folkebaad.dk) for more details

Danish Test Group  
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