

Interactive comment on “Benefits of sub-component over full-scale blade testing elaborated on a trailing edge bond line design validation” by Malo Rosemeier et al.

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Thank you very much for your feedback. In the following we would like to react on your comments in detail.

1/13 testing time is . . . *shorter*

R Rectified as proposed.

1/16 leave out *higher*; not only higher stress ratios are more realistic

R Rectified as proposed

C1

2/32 on a strong floor or a *stiff wall*; sometimes the blade is pulled sideways to a stiff wall

R Rectified as proposed.

3/2 testing *frequency*; the testing frequency is not necessarily the eigenfrequency

R Rectified as proposed.

4/4 specimens

R Rectified as proposed.

5/F2 It is not very clear that the shown resistance envelopes represent the "worst" envelope of the whole blade from 0% to 100% blade length.

R The caption of F2 has been emphasized.

6/2 *suction*-side points towards the strong floor

R Rectified as proposed.

6/20 $m = 10$, which is a typical value for glass fiber reinforced epoxy; add reference

R Rectified as proposed.

9/3 *inclination* of the stress ratio distribution

R Rectified as proposed.

10/8 Not all fibers can be considered to be isotropic, e. g. carbon fibers

R Rectified as proposed.

C2

10/9 Explain or give reference to what is meant by a symmetric constant life diagram (CLD)

R Reference was added.

10/9 It is also an assumption that a symmetric CLD can be used for isotropic materials. If possible, give a reference.

R Reference was added.

Please also note the supplement to this comment:

<https://www.wind-energ-sci-discuss.net/wes-2017-35/wes-2017-35-AC1-supplement.pdf>

Interactive comment on Wind Energ. Sci. Discuss., <https://doi.org/10.5194/wes-2017-35>, 2017.