

Interactive comment on “A review of wind turbine main-bearings: design, operation, modelling, damage mechanisms and fault detection” by Edward Hart et al.

Edward Hart et al.

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Dear Athanasios,

Thank you for managing the review process for this paper. We appreciate the excellent points made by the 3 reviewers who have commented on this work.

Overall we feel these reviews indicate that the paper is of a high quality and worthy of publication with a majority of points either being minor adjustments or valuable suggestions for additional references or discussion points. In particular we feel that the opening remarks made by the third reviewer (who again made excellent and helpful

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points) are not really reflective of the points they then go on to make. However, their points do highlight that there are some marked differences between industry practises and what is being focused on in academic research and we will seek to highlight these differences when revising the manuscript in order to stimulate better alignment in the future. This disparity between academia and industry for wind turbine main-bearings further motivates the need for a review paper which captures the current state of knowledge for this important component and, thanks to this review process, this paper will be extended to capture and discuss that disparity, fulfilling that need.

Since the submission of this manuscript for review there have been a number of papers published in journals and conference proceedings dealing with main-bearings in wind turbines. This new work, along with the additional references suggested by reviewers, will be included in the revised manuscript.

In conclusion we believe that this is an important piece of work, with the suggested additions provided by reviewers comments helping to improve it and ensure it properly captures the current state of main-bearing technology.

Many thanks on behalf of all co-authors,

Edward Hart (corresponding author)

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