

Dear reviewers,

Thank you for taking the time to review the manuscript and for your valuable feedback. Below, you will find our responses to your comments.

Answers to comments reviewer 1

*Section 4.2 line 423 refers to "generator bearing slip". Does this mean a sliding velocity between the rolling elements and rings rather than pure rolling contact or even sliding resulting in adhesive wear or smearing (ref ISO 15243), or does it indicate a sudden spinning of the rings relative to the shaft or housing? Or maybe both or not entirely known?*

Thank you for your feedback. At present, the cause and nature of the bearing slip remain unknown to us. Our industrial partner has informed us that bearing slip is a frequent issue at the turbines, though no further details have been provided. To our knowledge, the partner is also unaware of the root cause and specifics of the slip, and investigations are currently underway. However, it has been confirmed that the sudden spikes often observed in bearing temperatures are a direct result of the slipping.

Answers to comments reviewer 2

*I see just one of two minor typos but I assume these will be addressed in the typesetting.*

Thank you for the remark. We went through the paper and identified a couple of typos. We've corrected them.

I hope these replies sufficiently address your comments.

Sincerely,