

In this paper, the authors describe a comparison of the main bearing unit for two different versions in a 2.3 MW wind turbine: one with a standard cast iron shaft and the other with an air hardened ductile (AHD) shaft. They then compare the masses, costs and global warming potential of each variant. In general the article is well written and quite detailed. I appreciate the detailed changes offered by the author team, with only the remaining very small improvements noted below.

3.2 MBU designs and power density analysis

- Figure 1: I appreciate the changes made to the figure; however (it's very minor and sorry for missing it in the first review), I believe "(1st Stage) Planet Carrier" should point to the purple-colored element rather than the blue-colored Rotor shaft and the "Clamping set" should point to the aqua-colored element. Right?
- Line 88: Also very minor, but rather than the simple addition of "...surface surcharge (allowance)..." I think it would be beneficial to add the longer explanation in the author's response here "...surface surcharge (i.e. added material for forging/casting to ensure that the final geometry can be machined within the required tolerances from the forged/cast geometry)...".
- Line 112: Small typo in the new text here related to "As" and "...as" in the same sentence. I believe it should be "As the material properties are based on lab samples, broad testing is required..."