

## ***Interactive comment on “Condition Monitoring of roller bearings using Acoustic Emission” by Daniel Cornel et al.***

### **Anonymous Referee #1**

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This paper used acoustic emission (AE) signals to assess the bearing faults. The results demonstrate that the AE signal analysis is superior to the vibration analysis. However, there are already many publications using different advanced methods (e.g. time-domain analysis method, frequency domain analysis method, cepstrum domain analysis method, etc.) to assess bearing faults under the conditions of different speed levels (less than 1 rpm or over 3000 rpm) and heavy loads. It seems that the paper is based on the analysis of a simple test-rig and the method used in this paper is quite simple. Could the authors detailedly explain the contributions of this paper?

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