Funcionamento

This API was developed to classify stages of degradation of mechanical components based on vibration data collected in horizontal and vertical directions (in CSV), as well as collection frequency (in Hz), intervals between data collections, and data collection windows (both in seconds).

If the user has any doubts or curiosities about the stages of degradation, click here for more information.

Inspiration

A skinny, sorrowful-looking bird that resembles a small, malnourished vulture, the Augurey is dark greenish-black. It is extremely shy, only flying in heavy rain, and otherwise stays hidden in its tear-shaped nest. The Augurey has a low, sobbing song that was once believed to herald death. However, over time, patient research revealed that this bird merely announces the coming of rain.

Analogously, the Augurey bearing the bearing degradation analysis API does not simply announce the end of a device's lifespan and, consequently, the machine's, which is somewhat inevitable. The system aims to prepare the analysis and maintenance team for the changes that will occur as a normal process of rolling device degradation. Thus, prepared for the impending changes in the device due to the degradation process, the team can take action to avoid damage to components working alongside the bearings, extending the life of the machine the bearing belongs to.

Augurey

O triste canto que precede a chuva

Enter the collection frequency in Hz:

25600,00 − +

What is the interval between collections? (In s):

10,00 − +

What is the collection window size? (In s):

0,10 − +

Upload the vertical CSV file with the bearing time series

Drag and drop file here
Limit 200MB per file • CSV
Browse files

FEMTO_Test_B15V.csv 38.4MB ×

Upload the horizontal CSV file with the bearing time series

Drag and drop file here
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