



Optimize your lubrication program with the Acoem Bearing Defect Factor™!

Controlling and maintaining your rotating machine health starts by assuring a good greasing program. Acoem's experience-based algorithm, the Bearing Defect Factor™, is directly integrated into the Bearing Defender Application to offer guidance during the greasing process via wireless and accurate measurements.

Developed in the 70's on more than 2000 rolling elements, this technology has brought proven results for greasing programs on common machines in various types of industries worldwide. Discover how to use Acoem Bearing Defender as the perfect assistant to your lubrication program!



Adjust your greasing by watching a single indicator: The Bearing Defect Factor™

The Bearing Defect Factor™ (DEF indicator) is a measurement of high frequency impacting, such as occurs when grease is not lubricating a bearing. The results are presented through a simplified scale measurement:

| | |
|-------------|---|
| 0-6 DEF | Typical bearing measurement. |
| 6-9 DEF | Questionable bearing problem, early failure, or inadequate greasing. |
| 9-12 DEF | Bearing wear or lubrication issue to be corrected as soon as possible |

How to use it?

- While watching these overall levels in real time, grease the bearing.
- Wait a moment between strokes, to assure grease reaches the bearing. The numbers on DEF line drop once the grease is delivered to the bearing.
- To assure proper lubrication, additional strokes may be required, depending on the size of the bearing.
- In case of value building up again, you should stop the greasing immediately as it's an indicator of machines being sufficiently greased!

Before Greasing



After Greasing



Characteristics

- Evaluates the roller/ball bearing health automatically
- Continuously grows during the bearing life cycle and provide early fault detection
- Drops as grease is inserted, and increase again as the nominal quantity has been reached
- No setup: Accessible to all mechanics
- Easy to use: Presented as an absolute value between 0 and 12



Did you know?

In addition, you can listen to the signal during the whole process by connecting any headphones to your smartphone. Inputting the right amount of grease has never been so easy!

Discover more...