

F'IS Newsletter

March 2008



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After Sales Service with FAG Detector III

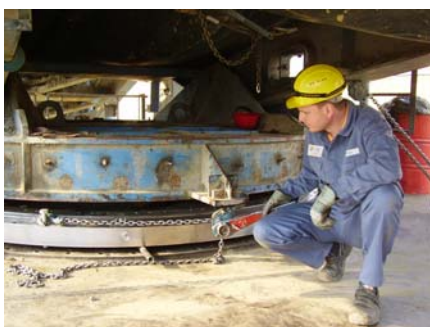
In order to extend its own service portfolio, Karl UHL GmbH was looking for a suitable vibration measuring instrument for its compressor maintenance service. They chose the FAG Detector III as it is easy to operate and can provide them with a quick overview of the condition of a machine. Moreover, the UHL after sales service team received a thorough training in the correct use of its new measuring equipment. With a working knowledge of vibration theory and the correct use of the analysis software, the team can perform simple measuring tasks themselves. In case of resource shortages or “tricky” machine problems, the customer is supported by the F'IS Remote-Service. This has not only reduced the number of emergency repairs significantly. UHL also benefits from longer warranty periods, added customer loyalty and an extended service portfolio.



[More info \(click here\)](#)

New F'IS Service: Design Improvement

A machine's natural vibration during operation can cause various problems, for example a poorer quality of the finished product. That is why F'IS is extending its service portfolio in the field of modal analysis: now customers can receive not only detailed information on their machines' vibration behaviour but also suggestions on how to improve the machine's design. First, a modal analysis is performed. Then F'IS experts check the vibration data to see whether certain forms of the machine's natural vibration have a negative effect on operation. If so, they develop specific suggestions for an optimized design using the ProEngineer software. With the help of this method, our experts solve problems with machines that are sensitive to the effects of vibration, thus optimizing the process as well. The method is suitable for many fields of application, for example steel plants and rolling mills.



[More info \(click here\)](#)

A Truly Neat Job: the F'IS Mounting Team

In an open pit mine in Matri (Hungary), a conveyor bridge bearing in a bucket wheel excavator had to be replaced. In order to minimize wear on the replacement bearing and achieve the maximum bearing life, the bearing had to be trued with the utmost care prior to mounting. Also, all surfaces had to be as clean as possible. Then the F'IS experts bolted the bearing securely to the surrounding structure. This kind of mounting work – with a bearing outside diameter of 3.8 meters and a weight of 3.44 tons - requires a lot of experience. In spite of adverse ambient conditions (dust, wind), the F'IS mounting team carried out the bearing replacement with the accustomed care and precision. In this way the bearing can achieve its maximum service life.

**Any further questions?
Get in touch with us...**

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