

F'IS Newsletter

March 2010



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Reliable Prevention of Failures of a Hot Saw

By means of online condition monitoring, a German steel producer can avoid unplanned shutdowns in its hot saw. Until now about two unplanned breakdowns caused by gearbox damages occurred per year. In order to prevent production downtimes and minimise the maintenance and repair costs, the customer was looking for a way to detect emerging damage in good time. F'IS installed an FAG DTECT X1 online condition monitoring system at the hot saw for monitoring of the drive train. Shortly after the installation a preliminary damage was detected and thus costs amounting to about 55,000 Euro could be saved. Due to this positive experience, the customer extended the service contract with F'IS by three years. Moreover, he decided to apply further FAG maintenance solutions.



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Reconditioning of a Gearbox Bearing for a Roll Press

Due to the help of Schaeffler, Cemento Andino SA was able to significantly reduce the risk of an unplanned shutdown. To overhaul a gearbox the Peruvian cement producer needed a cylindrical roller bearing with an increased radial clearance (C3) at short notice. Because the procurement of a new roller bearing was out of the question due to the long delivery times, Schaeffler recommended to revise a bearing with normal radial clearance. After a suitable bearing was found, its radial clearance was changed from a normal size to C3 in the Bearing Reconditioning Center in Brazil. Afterwards the gearbox overhaul was performed in the scheduled time of 1.5 months. Thus, the risk of an unplanned production loss was reduced enormously. Shutdowns of crushing machines cause financial losses of approximately one million Euro per month. In comparison the reconditioning costs were only 5,000 Euro.



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

Training for Maintenance Staff of Aircraft Engines

During its training programs, MTU Maintenance, a provider of commercial engine maintenance services, relies on Schaeffler Group's know-how. To ensure the working quality when inspecting rolling bearings, the customer wanted to add to its internal training program a roller bearing training, focusing on bearing damages and damage patterns. It was important for the company to assign a rolling bearing manufacturer for these trainings and draw upon his special experience. To fulfill the requirements of MTU, Schaeffler Group's maintenance and bearing experts prepared a customized training at short notice. Besides, refreshing and intensifying existing knowledge, new aspects of rolling bearing technology and damage analysis could be conveyed to the participants.

**Any questions?
Get in touch with us ...
We'll be pleased to help!**

FAG Industrial Services
phone 02407 9149 0
fax 02407 9149 59

Kaiserstr. 100, 52134 Herzogenrath
[email sales@fis-services.de](mailto:sales@fis-services.de)
www.fis-services.com