

F'IS Newsletter

March 2009



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Reconditioning instead of new bearing

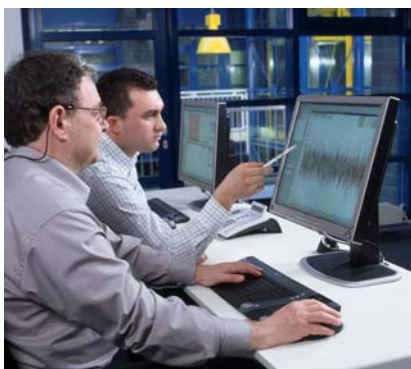
Robbins GmbH, manufacturer of tunnelling and mining equipment, saves time and money with the support of F'IS. After finishing a tunnel boring job in Iceland, the customer subjected its tunnel boring machine (TBM) to a full revision. The reconditioning of the main bearing – which had been made especially for this TBM – was of particular importance. Because the next operation of the TBM was already scheduled and such a new bearing was not available shortly, an order for reconditioning the existing bearing was placed with F'IS. The bearing was sent to the F'IS Reconditioning Center in Wuppertal (Germany). After careful cleaning and assessment, all necessary reconditioning work was carried out by experienced experts. The costs for the whole reconditioning were about 60 percent lower as the price of a new bearing. Furthermore, the bearing was sent back to the customer within eight weeks in a quality comparable to that of a new bearing.



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

Split FAG spherical roller bearings reduce costs

Pilbara Iron manages mining industry, railway and harbour equipment in Australia. At the harbour facilities in Dampier (North-west Australia), the company is now saving 27,510 euro per bearing change on the main drives of its bucket wheel excavators. This is the result of using split FAG spherical roller bearings. Changing the conventional spherical roller bearings previously took 72 hours. Since the bearing housing was difficult to access, it was necessary to dismount parts including the gearbox shaft. Through the use of split FAG spherical roller bearings, the mounting time has been reduced by 50 percent – and thus the downtime, lost production costs and labour costs have been reduced as well. As a consequence, the customer can achieve long term savings in maintenance.



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

New software release F'IS Administrator 4.4

The software Administrator 4.4 adds many new features to the online monitoring devices FAG ProCheck and FAG DTECT X1. The software is used for analysing measuring data. Due to the integrated bearing database, the analysis is simplified and reduced significantly. It also supports the user in the assessment of components. Furthermore, the order analysis, which is only available for FAG ProCheck, allows an improved and simplified monitoring of variable speed plants (i.e. wind turbines). This helps the user to better identify machine resonance problems. Moreover, the new Profibus module which is also only available for FAG ProCheck reduces installation work, allows a more efficient data interchange with control systems (PLC) and a simple integration in existing fieldbus communication structures.

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

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