

F'IS Newsletter

July 2007



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F'IS Services: Damage Detection at Metallurgical Plant

A metallurgical plant in Germany had the bearings in one of the coal mills at their coking plant checked by F'IS for signs of damage. Both the locating bearing and the floating bearing were found to have an emerging damage to the outer ring. As the damaged bearings could have caused damage to the machine itself, resulting in unplanned downtime if not replaced in time, our experts recommended to replace the bearings during the next scheduled shutdown. This enables the operator to schedule maintenance activities efficiently, ensures the availability of the coal mill and reduces the amount of costly downtime to a minimum.



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

F'IS Services: Process Optimisation at Sugar Factory

The "Vale do Paranaíba" sugar factory in Brazil is one of the most state-of-the-art in the world; still, one drive motor failed shortly after initial startup, causing costly production losses. The operator consulted the F'IS experts, who found that the motor was lubricated with an insufficient amount of lubricant, which also turned out to be unsuitable. Following the experts' recommendation, an 8-channel FAG DTECT X1 system and an automatic lubricator Motion Guard Champion with Arcanol Temp 90 grease were installed. This introduction of condition-based maintenance has already helped to avoid another machine failure. This saves the customer around \$ 480,000.



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

F'IS Services: Gear Box Damage Detected in Good Time

A leading industrial group, which is located in Switzerland, has its production plants serviced by F'IS. When the control unit of a sand mixing drum did not work properly, the F'IS experts were asked to carry out a trouble shooting procedure with an FAG Detector III to determine the cause. They detected a damage pattern in the vibration frequency for the outer ring of one of the input shaft bearings in the gear box of the sand mixing drum. The damaged component was then replaced within a scheduled maintenance window. A reference measurement conducted afterwards yielded normal readings. The control unit is now working perfectly again, production losses have been prevented, and the operator has the reassuring certainty that the machine is now in excellent condition.

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

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