

F'IS Newsletter

November 2006



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Condition monitoring at tin foil plant Eppstein

The management of the tin foil plant Eppstein GmbH & Co. KG expects to drastically minimize its amount of unplanned downtime by introducing condition monitoring of work roll bearings and backup roll bearings in a four-high rolling stand. What makes this monitoring task particularly challenging is the low speed and the low rolling pressure in the rolling stand. First, the F'IS experts checked whether a measurement with the FAG DTECT X1 system under these conditions is possible. For this purpose they used an offline system that is equipped with the same sensor technology as the F'IS online systems. No distinct damage patterns were detected during the measuring procedure, but plant-specific frequencies were identified reliably. The customer, convinced of the high quality of the F'IS products and services, chose to have the condition of the foil rolling stand permanently monitored by an FAG DTECT X1 system with 8 sensors. Additionally, the customer decided in favour of an introduction to the system as well as a remote service contract.



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Endoscopy on luxury liner

On behalf of one of the global leaders in the shipbuilding industry, F'IS engineers have carried out an inspection of the propulsion of a luxury cruise ship. In view of the forthcoming acceptance inspection by the owner, an endoscopy was performed in addition to the permanent condition monitoring by a DTECT X1 system. The F'IS experts recommended these activities to avoid unplanned shutdowns which are particularly costly in marine industry. The check focused on the liner's port and starboard propellers and thrust bearings. The inspection did not reveal any indications of damage, giving the customer the certainty that the ship's propulsion is in a great condition. For the future the F'IS experts recommend permanent monitoring in the form of vibration diagnosis and endoscopy.



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

Now available: FAG Mounting Manager

The FAG calculation program Mounting Manager is a user-friendly aid for selecting the right bearing mounting method for a specific application and offers numerous options. The software shows various mechanical and hydraulic mounting methods and calculates the radial clearance reduction, displacement and start pressure needed for the mounting procedure. Moreover, the software provides useful mounting tips and generates a list of the necessary tools and accessories. This useful helper is available on the F'IS web site www.fis-services.com as well as on CD-Rom (please send orders to mountingmanager@fis-services.de).

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

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