

F'IS Newsletter

November 2008



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Higher Productivity in Rod Rolling Mill

High vibration levels at a roll stand in a Spanish steel mill caused a reduction in quality. This forced the operator to lower production speed to 60% of the maximum level. The steel producer consulted Schaeffler Iberia who conducted a modal analysis and detected the cause of the high vibration level: the stands did not have adequate stiffness. After improving the construction of the stand, the customer was in a position to increase production speed up to the initial level again, thereby raising production capacity considerably. Impressed by the very good service, the customer now uses online monitoring systems, roller bearings and services from Schaeffler Iberia.



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

Trouble Shooting at Paper Manufacturer

The paper manufacturer, Drewsen Spezialpapiere, located in Lachendorf, Germany, observed higher vibration levels on one of the rolls of their paper machine. The vibrations increased at higher speeds. In order to avoid any loss in quality of the end product, the plant operator reduced production speed by 100 meters per minute. F'IS was asked to detect the cause of the problem. By carrying out measurements and analyses in different operating situations, F'IS staff were able to localize the problem and find the cause: a damaged drive train. Since replacement, the machine has been running at full capacity again. This represents a 15 percent increase in performance.



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

New: Explosion-Proof FAG ProCheck

According to certain global directives (i.e. ATEX 95, CEC, NEC), products used in explosive atmospheres must conform to the legal requirements on explosion-protection. Since September 2008, F'IS offers an ex-proof version of the FAG ProCheck online condition monitoring system. For wherever there are flammable gases, vapours, fluids and dust, the presence of oxygen and an ignition source can lead to an explosion. The ex-proof version has been realised with products from R. STAHL, an accredited supplier in the explosion-protection sector. The system is housed in a pressure-capsulated casing. Together with the safety barriers for sensor cabling, it prevents an ignitable surrounding atmosphere from exploding.

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

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