

F'IS Newsletter

January 2010



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Vibration Monitoring of a Pinion Stand Gear

The vibration monitoring of the pinion stand gear allowed ThyssenKrupp Nirosta to change from preventive to condition-based maintenance. In the past the pinion stand gear unit was precautionary replaced once a year. This caused costs of approximately 37,000 Euros in each case. Thanks to the permanent monitoring and professional data analysis by F'IS, nowadays a replacement only takes place if necessary. Since the installation two years ago no more bearings had to be changed. This means a cost reduction of 70,000 Euros. Furthermore, ThyssenKrupp Nirosta profits from an increased product quality. With the help of vibration monitoring thickness variations of the rolling stock are detected and avoided reliably.



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

Cost Reduction Through Condition-Based Maintenance

The Spanish paper company Industrie Cartarie Tronchetti (ICT) saves annually 250,000 Euros by changing to condition-based maintenance. Furthermore, the production could be raised by 10 percent. ICT was looking for a partner who offered maintenance services and products as well as bearings. Moreover, this partner was intended to support ICT with professional trainings on-site to build up internal maintenance competence. To meet the customer's demands, Schaeffler Iberia offered a tailor-made package. This contained among others the condition monitoring of 73 critical machines. Since the beginning of the cooperation alignment failures and vibration problems were detected in several cases. In the meantime the contract was expanded to 80 further machines. An extension on all machines is in the pipeline.



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

Customized Training Improves Working Processes

Due to a customized training, a railway supplier could renew its certification as a supplier of a railway company and improve its working processes. Since the customer had already relied on the F'IS training competence for the last certification, he contacted F'IS again when a recertification in the field of maintenance became necessary. The training contents (bearing damages and mounting of railway wheelset bearings) were directly agreed between F'IS and the customer. To permit practical experience during the training, the training was performed on customer-owned wheelsets. Furthermore, the presentation of different mounting tools identified ways to simplify the present working processes.

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

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