

Contents

Infrared Thermography
 Reconditioning of a Face Plate Bearing
 Increased Gear Availability in Steel Tube Rolling Mill
 Contact and Imprint

Dear Sir or Madam

Welcome to our latest edition of the F'IS Newsletter.

If you have any difficulties in viewing we are looking forward to your feedback!

Enjoy reading!

You Newsletter Team

Thermographic Examination of Cabinets



A leading Spanish manufacturer of welded steel piping and hot strip relies on the services of Schaeffler Iberia, when avoiding unplanned downtimes due to control cabinet failures. In the past, all control cabinets were examined every month. Nevertheless, the customer was experiencing unplanned downtimes due to control cabinet failures. So all control cabinets were to be monitored by means of thermographic measurements. In view of the good results gained in the field of condition monitoring, the customer also enlisted Schaeffler for this job. Field Service Engineers (FSE) carried out thermographic measurements on different low voltage cabinets. Afterwards, the FSE prepared a report in which the critical points were identified and suitable corrective actions were recommended. Thanks to the thermographic measurements carried out by Schaeffler the customer can realize maintenance cost savings of 16,000 Euros yearly.

» [more info](#)

Reconditioning of a Face Plate Bearing for a Vertical Lathe



Thanks to the immediate support of Schaeffler, a manufacturer of components for rail vehicles could avoid a downtime of several months. When a damage at the face plate bearing of a vertical lathe occurred, a complete breakdown of this machine was imminent. The defect cylindrical roller thrust bearing is a bearing of special design. The purchase of a new one would have taken several months. Thus, a quick solution had to be found which allowed to restore the machine at most short downtime. Under the given circumstances, reconditioning of the bearing seemed to be the only option. The complete refurbishment regarding level III was carried out during the night. The downtime of the vertical lathe from dismantling until re-mounting including putting into operation totalled 18 hours. The costs for downtime of the vertical lathe are about 260 Euro per hour. So a shutdown would have caused the customer monthly losses of more than 40,000 Euro.

» [more Info](#)

FAG Detector III Increases Gear Availability in Steel Tube Rolling Mill



The use of FAG Detector III helps a leading manufacturer of hot-rolled steel strip and cold rolled welded steel tubes to monitor the twelve main gears every month and to avoid an unplanned downtime. Schaeffler assisted the maintenance personnel to set up an inspection route for all 45 gears and trained the staff in using the device and the software for analysis. The operating conditions make the gears prone for wear and wear damage. Despite regular but only random inspections it was previously not given that exactly the damaged gears were checked. Thus, an unplanned machine shut down was likely. Thanks to the overall package of FAG Detector III and training, the customer can reduce his yearly cost for inspection by about 53,000 Euro.

» [more info](#)

Contact and Imprint



FAG Industrial Services GmbH
Kaiserstraße 100
52134 Herzogenrath (Germany)

Phone: +49 (0)2407 / 9149 - 0
Web site: www.fis-services.com
E-Mail: info@fis-services.com

This email was sent to max_mustermann@schaeffler.com.

[Unsubscribe](#) • [E-Mail](#) • [Website](#)