FAG Industrial Services
Competence in Maintenance

FAG Industrial Services

F’IS Newsletter

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F’IS services: bearing replacement at aluminium rolling mill

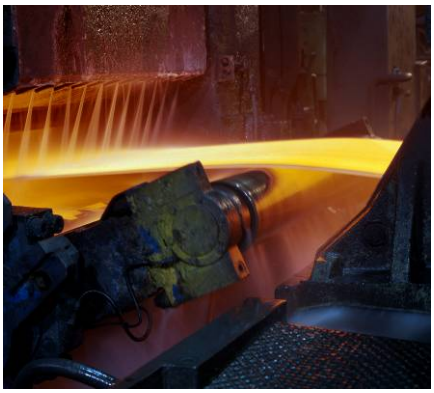
Measuring the dimensions of bearing housings with a large diameter must be done with extreme care: That is why the operator of an aluminium rolling mill in Egypt enlisted the services of the F’IS experts when a four-row cylindrical roller bearing (outside diameter: 1168 mm) had to be replaced. The problem: the dimensional and form accuracy of the housing can change after some time in operation, for example as a result of wear and fretting corrosion. This would reduce the service life of a replacement bearing considerably. In this case, however, after the bearing seats had been checked thoroughly by the F’IS experts, the bearing could be mounted onto the shaft without problems. The customer now has the reassuring certainty that a proper bearing fit is ensured and that the replacement bearing’s service life can be utilized fully.

More info (click here)

F’IS training: mounting of current collector bearings

The F’IS experts provide the accustomed premium service quality to customers all over the world. In this case, to a big manufacturer of wheelsets and wheelset spare parts in the Czech Republic. Apart from mounting a pair of current collector bearings, the F’IS experts were to show the customer’s personnel how to mount the bearings. A briefing, which included a detailed specification of all individual steps as well as the provision and adaptation of the necessary tools, was followed by the hands-on part: The F’IS experts taught the customer’s personnel how to mount the bearings properly so that they can carry out the batch mounting of the new unit on their own. Now that the customer’s personnel has gained the qualification needed to perform the new task, the manufacturer will save the comparatively high mounting costs.

More info (click here)



F’IS Services: modal analysis at steel plant

The steel manufacturer Arcelor Zumarraga, Spain, asked the F’IS experts to determine the causes of an increased vibration level of the transmission and the substructure of a steel rolling stand. They decided to perform a trouble shooting procedure using an offline system. In addition, a modal analysis of the vibration of the rolling stand’s substructure was performed. The measurements showed that the plant’s operational vibration frequencies were too close to the resonant frequency of the rolling stand, which caused the increased vibration level. So the experts recommended that the customer modify the resonant frequency of the components concerned by reinforcing the substructure. The resulting reduction of the vibration level enables the customer to extend the service life of the plant components significantly.

More info (click here)

Any further questions?
Get in touch with us…

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