



Summary

Industry:	Metals
Application:	Extraction Fan on Galvanising coil line
Actual Saving:	£n/a
Payback Period:	n/a



Spherical Bearing Recommendation

Steel customers requests ERIKS Bearing Recommendation

ISSUE

A Global Steel manufacturing and service company were looking for a recommendation for future bearing failures on their hot air extraction fan on the galvanising line at their North Wales facility.

The spherical bearings had failed previously, which results in costly plant downtime, and the customer was looking for replacement and improvement recommendations for when the bearings next fail or when they have a planned shut down. The customer wanted a solution that once implemented, would prevent future failings.

SOLUTION

An ERIKS Bearing Engineer visited the customers site and made recommendations to fit SKF CARB and Spherical bearings as the new bearing arrangement. This solution will be more reliable than the current arrangement as it is a more balanced bearing arrangement, which significantly reduces vibration which allows for greater life expectancy due to lower temperature.

The customer currently has oil fed housings and is using grease to lubricate the bearings, although this will work with the new bearing solution, ERIKS recommended that the customer could change the housings to a grease lubrication design with OKS high temperature grease which is suited to the operating temperature on the fan.

When the current bearings fail or come to replacement time, the customer will use the recommended solution.

OTHER BENEFITS

- Increased reliability as the arrangement reduces vibration which in turn reduces the bearing temperature

FURTHER COMMENTS...

The lubrication recommendation will permanently operate within the customers parameters.

MORE INFORMATION

ERIKS Industrial Services

Amber Way, Halesowen,
West Midlands B62 8WG

Tel: 0845 006 6000

Web: www.eriks.co.uk

know-how makes the difference