

Case Study

Bearings



Summary

| | |
|------------------------|----------------------|
| Industry: | Metals |
| Application: | SRB Fan |
| Actual Saving: | 97% Maintenance Time |
| Payback Period: | Ongoing |



Revolvo Splits Slashes Maintenance Time by 97%!

ISSUE

A large steel manufacturer were experiencing issues with the fans on their ovens. The ovens are equipped with two main air fans which are required to achieve full production.

The ovens can still operate with one fan, but at a reduced capacity. This was proving a huge issue as each time the fan bearings failed it would take two men, 3 days to switch out the bearing.

The existing SN plummer block housing was trapped and meant that the electric motor, couplings and other bearings had to be disassembled before replacement could commence.

SOLUTION

By switching out traditional SN plummer block arrangements with a Revolvo Split Cylindrical Roller Bearing housed unit from Timken, the maintenance schedules could be cut from 3 days to just 2 hours!

The significant saving in maintenance is due to the split to the shaft construction of the Split Cylindrical Roller Bearing. The split-to-the-shaft feature enables the bearing to be fitted without requiring access to the shaft ends. Instead, it can be built around the shaft, saving hundreds of pounds in unnecessary downtime as there is no need to remove other drive components.

The ability of Revolvo Split Cylindrical Roller Bearings to perform in arduous, aggressive environments is enhanced by the sealing systems available to protect the bearing units to ensure improved bearing reliability and longer life.

OTHER BENEFITS

- Significant Reduction in Maintenance Costs
- Increased Plant Uptime
- Directly Interchangeable
- High Performance in Aggressive Environments

FURTHER COMMENTS...

By using a Revolvo Split Cylindrical Bearing house unit repairs are significantly simplified so maintenance schedules could be cut from 3 days to just 2 hours.

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

ERIKS