



Summary

Industry:	Food and Drink
Application:	Oven fan
Actual Saving:	£N/A
Payback Period:	N/A



Revolvo Plummer Block Improves Reliability

Concentric shaft sealing increases longer bearing life

ISSUE

A customer in the food industry were experiencing regular problems when changing existing plummer block arranged bearings on a fan application.

The main issue being that the fans were located above an oven - where high temperatures meant that there was restricted access to maintain the fan bearings.

Consequently this meant repeated line stoppages when bearings failed so fan units could be completely removed and repaired off-line. An ingress of dust in the immediate environment meant that premature bearing failure occurred due to inadequate sealing.

SOLUTION

Following a site visit by an ERIKS Application Engineer and the local service centre, a bearing solution was offered in the form of a Revolvo Split Roller Bearing assembly with a Kevlar packing seal arrangement - which would offer a more superior sealing solution.

As all sealing arrangements offered with Revolvo SRB bearings allow the seals to run concentrically with the shaft, this offers a longer bearing life which reduce the frequency of maintenance required on the application.

Whilst on-site the customer was also informed of the correct grease selection & regime, this has now been implemented on the application & is performing to the customers expectations.

OTHER BENEFITS

- Reduced Downtime
- Reduction in Maintenance Costs
- Increased Efficiency
- Increased Performance
- Concentric Sealing to Shaft

FURTHER COMMENTS...

The bearings have been running continuously over a 4 month period with no issues. Previously, bearings would have been replaced in this time period at least once.

MORE INFORMATION

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