



Summary

Industry:	Food and Drink
Application:	Kiln Fan
Actual Saving:	£N/A
Payback Period:	<6 Months



Full Contact Sealing Arrangement on SRB Bearings Prolong Life

Increasing overall plant efficiency, whilst significantly reducing maintenance costs

ISSUE

A customer within the drink industry was increasingly experiencing issues with bearing failures on a kiln fan - an integral part of the process of their particular manufacturing cycle.

The fan controls the temperature within a steeping vessel, which assist in the germinating process. The existing plummer block arrangement supporting the fan shaft causes major issues when change-out occurs.

This leads to increased downtime in removing a foot mounted motor and gearbox and the subsequent re-alignment of power transmission equipment in relation to the new bearings. Increasing maintenance costs as mobile craneage is also required for the removal and re-mounting of said kiln fan, again adding to the maintenance costs.

SOLUTION

The application was a typical fan arrangement, experiencing low to high speed through soft start by means of an inverter, it was possible to specify an set of Revolve SRB units with an aluminium triple labyrinth (ATL) seal which prevented dust and moisture ingress, whilst still supporting low to high speed fluctuations.

This type of seal offers the benefits of a full contact sealing arrangement whilst keeping the amount of friction and drag in the system minimal. By offering the Revolve SRB units the local ERIKS Service Centre was able to provide the customer with a unit cost saving when compared to other competitors.

OTHER BENEFITS

- Increased Efficiency
- Added Value
- Cost reduction in bearing spend
- Superior Sealing Arrangement

FURTHER COMMENTS...

Since commissioning the bearings have performed, and continue to perform, without issue. This has resulted in the Revolve SRB brand being validated for use in other applications on the same site as well as others.

MORE INFORMATION

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