

Case Study

Bearings



Summary



Industry:	Food and Drink
Application:	Kiln Fan at Maltings Processor
Actual Saving:	£not advised
Payback Period:	<12 Months



New Revolve SNQ Design Reduces Downtime

New angled design negates the need to lift the shaft to locate the support

ISSUE

A malting company in the UK was using a standard plummer block arrangement on a kiln fan application. Both the drive and non drive bearings were held captive by an impeller, a pulley and belt set. When there was a need to change over bearings it was normally a one to two day process for removal of power transmission equipment, removal of existing bearings, installing new bearings and re-alignment of power transmission set. In addition to there was no option to raise the impeller in-situ for shaft clearance as guarding around the impeller and shaft prevented this. In addition to this the cost of hired craneage had to be considered. The current bearing performance was not in question, but rather the level of downtime & loss of production should the bearings fail.

SOLUTION

Following a visit by Revolve's Technical Sales Manager, a suitable arrangement was specified using the standard Revolve SRB unit with ATL seals for DE and the new SNQ support for the NDE.

This solution allowed the customer to see the benefit of the new angled support design which sweeps under the existing shaft, negating the need to lift the shaft to locate the support.

Due to the success and benefits gained from utilising the new SNQ support the customer is placing a further order for conversion of plummer block to SRB units on the second kiln fan. In addition to this ERIKS and Revolve have secured a further order for spare bearings only to be kept on site for future maintenance.

OTHER BENEFITS

- Increased productivity
- Reduced Downtime
- Increased Performance
- Utilisation of new SNQ support

FURTHER COMMENTS...

The plant manager and maintenance manager on site have both seen the value of using the SRB concept and the new SNQ designed support. The benefit of now having two SRB units in place assists in the significant reduction in lost production and costs associated.

MORE INFORMATION

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