



Summary

Industry:	Metals
Application:	Cool Gas Fan
Actual Saving:	£N/A
Payback Period:	<6 Months



Exceptional Sealing Arrangement Extends Bearing Life

The SRB range of bearings effectively repel dust ingress at high speeds

ISSUE

One of four cool gas air fans on site at a customer in the steel manufacturing industry was having repeat issues with premature bearing failures. The troublesome application consisted of plummer block arranged bearings which supported a fan arrangement, which in turn, controlled the constant temperature flow through the smelter in one of the main baghouses.

When bearing failure occurred, then a spare fan was brought on-line to support production leaving the customer exposed should failure occur on the back-up fan.

SOLUTION

To keep bearing change outs to a minimum, the SRB range of bearings were considered and implemented into the design of the fan arrangement with complete with aluminium triple labyrinth seal - which would act effectively in repelling dust ingress whilst supporting the high speeds generated during fan operation.

In addition to this the bearings allowed ease of maintenance in line with customers new greasing policy and preventative maintenance regime.

OTHER BENEFITS

- Increased Efficiency
- Reduced Maintenance
- Extended Bearing Life
- Reduced Downtime

FURTHER COMMENTS...

Since commissioning the first bearing set on site, a subsequent order to convert a further two fan applications has been received and successfully commissioned. There is just one more fan in the original suite of four to be converted, this means that all critical fan applications supporting production will now be running on SRB units.

MORE INFORMATION

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