

# Case Study

## Bearings



### Summary



<b>Industry:</b>	Food - Dairy
<b>Application:</b>	Extractor fan on milk powder process
<b>Actual Saving:</b>	£undisclosed
<b>Payback Period:</b>	undisclosed



## Directly Interchangeable with the Competition

Technical issues overcome with full interchangeability from Revolvo Split Roller Bearings

### ISSUE

One of three fans mounted in the vicinity of a powder cyclone were experiencing problems, following analysis by on-site condition monitoring it was found that vibration within the bearing was causing concern and required the bearings - which were supported by a competitors split roller bearing - to be changed. The extractor fan works in the process of milk and milk powder processing.

### SOLUTION

After an initial visit to site by Revolvo, and a subsequent discussion with the Maintenance Manager, it was agreed to offer the Revolvo SRB units, complete with an improved sealing solution and pairing of bearing units to assist with reducing noise, frequency and vibration in the fan application.

As the customer was not confident in correctly mounting a split roller bearing, Revolvo offered to visit the site and mount the two bearing assemblies. During the installation and due to unforeseen circumstances, the SRB support could not be mounted and the existing competitors support was to remain in place. However, this did not cause an issue, it proved to the customer that the SRB bearing and cast iron housing were fully interchangeable with a competitors unit and the bearing was mounted, with new seals, successfully without issue.

### OTHER BENEFITS

- Reduced downtime
- Increased performance
- Direct interchangeability
- In-house technical expertise

### FURTHER COMMENTS...

Demonstrating full interchangeability with a competitors bearing, the customer now has the confidence to utilise the SRB bearing on the remaining two fans when change out of bearings occur. This has also highlighted to the site the options open to them on other applications within the plant.

### MORE INFORMATION

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