



Summary



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|------------------------|-----------------------------------|
| Industry: | Food - Other |
| Application: | Secondary Fan on Sugar Processing |
| Actual Saving: | £undisclosed |
| Payback Period: | <6 Months |



Sweet Solution from SRB

Split roller bearing increase performance and reliability

ISSUE

A customer in the sugar processing industry based in Belgium has 4 fans on site which are positioned at height and open to the elements. In the case of the secondary fan, the existing bearing and sealing arrangement was allowing water ingress from the weather into the bearing and causing premature failure. In addition, the existing lubrication regime was not assisting in the promoting the calculated life of the bearing.

SOLUTION

During a visit made by an application engineer to the customer, it was suggested that a Revolve SRB Split Roller Bearing would better enhance the performance criteria of the fan. It would offer a better full contact sealing arrangement to help with any misalignment issues, and also a significant reduction in downtime for on-going maintenance of the fan.

As the customer was not aware of the concept of assembling a split roller bearing, the Technical Manager from Revolve conducted an on-site training programme by assembling one complete unit on the fan and supervising, with instruction, the fitment of the second bearing by the customers maintenance team. After fitment of both units, the pulleys and belt drive for the power transmission element were re-connected and aligned and the fan ran up to check performance.

OTHER BENEFITS

- Reduced Downtime
- Increased Performance
- Increased Productivity

FURTHER COMMENTS...

As a result of the successful install of the first two Split Roller Bearings ever on site, the customer is now putting into place a planned maintenance downtime to change over the remaining 3 fan units from plummer block to SRB, along with investigating the possibility of utilising the SRB Hanger Units for the screw conveyors used on site.

MORE INFORMATION

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