

Six scroll conveyors, three major bearing-related problems, a single SKF Cooper bearing solution



The problem

A French beet sugar manufacturer experienced the following problems arising from the plain bearings on his scroll conveyors:

- Short bearing life
- Conveyor main shaft wear
- Release of oil and rust resulting in product contamination



Before

The solution

Based on experience, design flexibility and manufacturing resources, SKF Cooper bearings produced the following solution:

- Custom-built unit
- Triple-boss hanger-type housing to fit existing supporting structure
- New unit to bring additional rigidity to the system
- Double sealing to keep potential contaminants out
- Air purge on each end to further control contaminant ingress

Benefits

- Longer bearing life
- Simpler, less costly maintenance
- Contamination problem is eliminated



After

SKF Cooper made-to-order solutions: unique answers to special challenges

At SKF Cooper's manufacturing facility, the latest technology and know-how are backed by the highest skill levels and over a century of experience. For new-build jobs, we analyse the role of the bearing and come up with a state-of-the-art solution. If it's a replacement task, we also investigate why the current bearings are failing, and factor this experience into the new units.

Full in-house manufacturing has the following benefits:

- Both bearing and housing made exactly to your requirements
- A wide range of housing types can be custom-built, including hanger, pedestal, flange, take-up and rod-end units
- Choice of grey cast iron, stainless steel or other materials
- Grease or air-purge for optimum sealing
- Sealing options to suit the material being handled: rubber, felt, heavy-duty lip seals, etc.

For more information, visit our website www.cooperbearings.com

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