

Six scroll conveyors, three major bearing-related problems, a single Cooper 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: product contamination

The Solution

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

- Custom-built unit
- Triple-boss hanger-type housing to fit existing supporting structure
- New unit brings 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 eliminated



Before



After

Cooper made-to-measure solutions: unique answers to special challenges

At Cooper's manufacturing installation, 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 the bearing has to play 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 hard-won 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, contact us via our website www.cooperbearings.com