Reduce Maintenance Costs and Increase MTBR for Sorting Screw Conveyor

Pulp and Paper Industry
377 CarbMax™ Packing
Packing Case Study

Challenge

Background

A pulp mill in Sweden is seeking a shorter Mean Time Before Repair (MTBR) on their sorting screw conveyor. The customer's goal is to stretch the MTBR to two years.

The challenge is sealing white and green liquor medium as well as limestone.

Solution

Product

The customer decided to install Chesterton 377 CarbMax™ Packing.

Chesterton 377 CarbMax Packing is made from high tensile strength, continuous filament carbon yarns that are braided into a high density packing that has very low relaxation after the initial installation.

The packing has high thermal conductivity that allows it to run cool by dissipating frictional heat away from the dynamic sealing surface.

Results

Increase Reliability

Chesterton 377 CarbMax Packing was installed in August 2021 and six months later there were no gland adjustments after start up. The target of reaching two years of MTBR looks promising.

By not having to retighten the gland the customer did not have to shut down the plant. In addition, the low leakage helps the customer to keep his plant tidy and gives him cost savings on maintenance.

Sorting screw conveyor.

Chesterton 377 CarbMax Packing.

Chesterton 377 CarbMax Packing installed in stuffing box.

A.W. Chesterton Company
860 Salem Street, Groveland, MA 01834 USA

EN600854
05/22