Chesterton AMPS™ Technology Reduces Leakage and Improves Safety in Paper Mill

Pulp and Paper Industry
Chesterton AMPS™ Technology
Packing Case Study

Challenge

Issue
A paper mill had leaking issues on a 13" hydro re-pulper, used to break down any defective paper to then be re-processed, requiring air to constantly be blown on the shaft to clear any pulp debris.

The equipment is very hard to access, making any packing adjustments difficult and a safety a concern. As a result, packing adjustments were neglected which led to further issues.

Goal
To increase the length of continuous service to support plant cycle and improve safety.

Solution

Application
All four bolts were fitted with ***Chesterton AMPS™*** double cylinder units and pressurized to 30 psi.

A pressure regulator was mounted outside of the re-pulper "pit" so it can be adjusted without hunching over in the oily water.

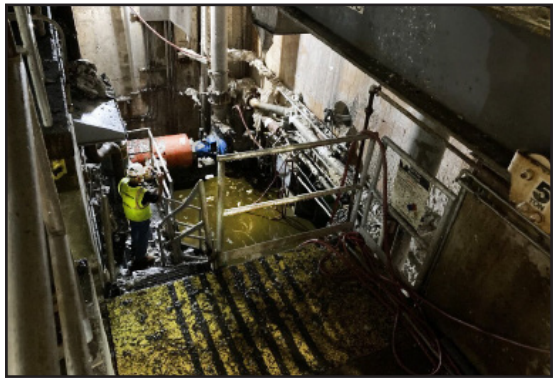
Results

Less Leaking and Improved Safety
After installation and the equipment restart, the ***AMPS technology*** is sealing with minimal leakage.

The packing can be adjusted from outside the "pit," improving safety and ease of maintenance.

The customer is very happy with the results and is looking to install ***AMPS technology*** on another re-pulper.

Top view of re-pulper "pit" where defective paper is ground by the blades.



Previously, maintenance had to go down into this "pit" to adjust the packing.

*Equipment with **AMPS technology** installed on all four bolts.*

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