

## 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 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.



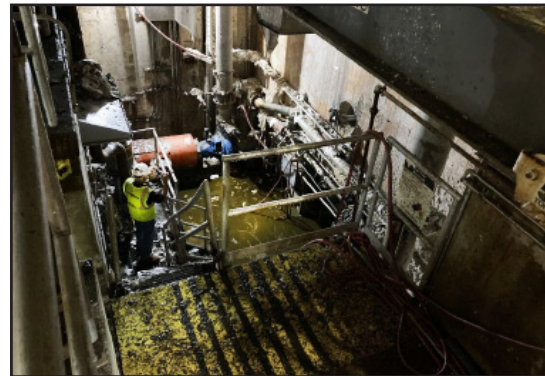
Top view of re-pulper "pit" where defective paper is ground by the blades.

## 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.



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

## 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.



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