

# ARC MX1 Industrial Coating Extends Equipment Life

Pulp and Paper Industry ARC MX1 ARC Case Study

# Challenge

#### Issue

A pulp mill was experiencing constant wear on a chip house conveyor screw, which caused costly repairs every shutdown and shortened equipment life.

### Goal

To reduce wear on the screw and lessen the need for constant hot work permits to repair the screw.

## **Solution**

### Overview

The surface was sandblasted to profile and the screw flights were coated with Chesterton<sup>®</sup> ARC MX1 industrial coating. A thicker build of MX1 was added on the flight edge and teeth.

## Results

### **Client Reported**

- The screw was in constant operation for 14 months with little metal loss on the teeth and flights.
- The customer was able to quickly repair any exposed metal and resume operation without the need for hot work permits. The customer had an annual savings of \$10,000 as well as extending the life of the screw.





The screw surface with ARC MX1 industrial coating applied. The screw was in constant operation for 14 months.

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Technical data reflects results of laboratory tests and is intended to indicate general characteristics only.

Screw is worn, cracking, and no longer efficient.

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