

CASE STUDY: Chainguard 550 — Aluminum Manufacturing Company

Performance you can trust

Location

India

Background

The Aluminum Manufacturing Company in India specialises in the production of aluminum products.

Application

The specific application involves furnace door chains in the Casting department, where the temperature reaches up to 1000°C for the furnace and 350°C to 400°C for the furnace door.

Challenge

The company was using hydraulic oils along with a cadmium compound for lubrication, but they encountered several issues, including:

- Inability of the oil to withstand high temperatures.
- Chain oil elongation.
- Damage to chain links requiring frequent replacement.

The ROCOL Solution

ROCOL suggested the use of Chainguard 550 as the solution to address the challenges faced by the company.

Why?

- Chainguard 550 is a graphite-based dry film chain lubricant specifically formulated to withstand extreme temperatures up to 550°C.
- The dry film coating provided by Chainguard 550 helps reduce potential contamination issues commonly associated with wet chain lubricants.

Customer Feedback

The implementation of ROCOL's Chainguard 550 resulted in significant benefits for the Aluminum Manufacturing Company, including:

- Direct cost savings due to the increased lifespan of the chains.
- Reduced maintenance time required for chain lubrication.
- Well-lubricated chains with no reported chain damage to date.