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Case Study

# Mast Roller



CERAMICSPEED

# 7-12 times longer service life in very harsh environments

Mast roller in trucks often operate in very harsh environments. The large wear and the fast decay of the bearing often occur with insufficient lubrication due to low rpm, frequent start/stops, rotation both ways and shocks.

## Problem

The mast bearings in Scan-hide trucks only lasted for 10-12 weeks before they needed to be changed which was an expensive cost for the customers due to the field engineer and the time where the trucks were unavailable.

## Result

CeramicSpeed bearings lasted 7-12 times longer than standard bearings and therefore the customer has saved more than 100.000 kr. This even without including downtime and loss of production.

## Solution

CeramicSpeed LongLife Xtreme bearings are designed for extreme conditions. The ceramic balls in our bearings are unaffected by dust, grit, metal filings or tiny mineral fragments, which therefore makes them the best possible choice for applications like fork lift trucks.

## Technical Highlights

- Environment: contaminated and harsh
- Start/stop function
- Rotations speed: low

