

Minimise downtime and maximise production

Situation

An open-cast mining operator, operating around the clock, 365 days a year was experiencing excessive bearing failures on its conveyor system.

The company was using open cylindrical roller bearings and was experiencing continual problems with premature bearing failure due to the ingress of grit and contaminants into the bearings.

To keep the bearings operating, large amounts of grease were being used, presenting additional concerns related to grease disposal and environmental regulations.



Industry Sector:

**BUILDING MINING
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Minimise downtime and maximise production [continued...]

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Solution

The company replaced the open bearings with sealed SKF Explorer spherical roller bearings. These are pre-lubricated with a specially formulated bearing grease, and sealed with highly effective contact seals.

These protect the bearing from contamination and retain the lubricant, allowing the bearings to run more smoothly and efficiently.

As a result of installing sealed SKF Explorer spherical roller bearings, the mining company significantly reduced machine downtime, as well as minimising the cost of relubrication and maintenance.

Additional benefits included the cost savings to dispose of used grease. Production was increased, and with it the company's profits.

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