

Exceptional protection in every environment

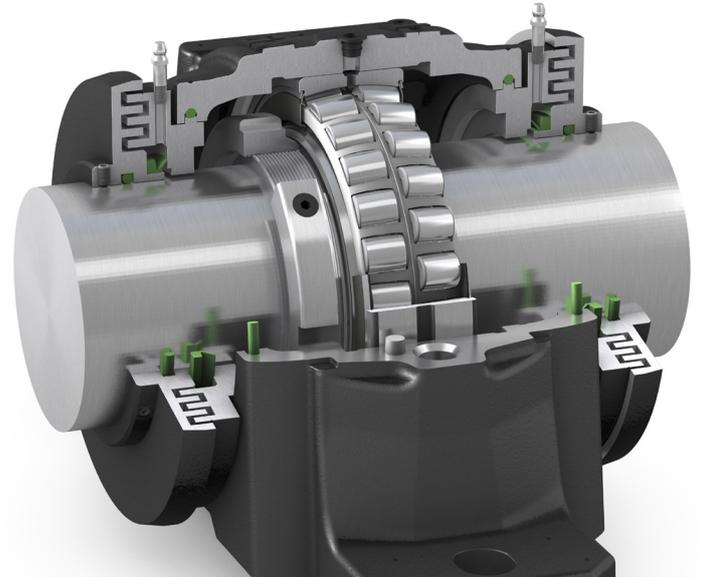
Situation

A quarry was suffering major issues with the availability and reliability of a critical conveyor. The quarry's remote location meant that maintenance work was challenging, costly and potentially dangerous. A catastrophic failure of a bearing on the conveyor's head pulley resulted in the entire facility being shut down for six days, costing tens of millions in lost production.

Solution

The company decided to install the **SKF Three Barrier Solution**. This innovative system is perfect for heavily contaminated environments such as quarries and construction sites. Incorporating a standard SNL housing, a sealed SKF Explorer spherical roller bearing, SKF Taconite Seals and SKF Biodegradable Bearing Grease LGGB 2 in the housing which acts as a contamination barrier. This cost-effective solution creates three barriers to prevent the ingress of contaminants such as dust and grit, and ensure continuous smooth running.

As a result of installing the **SKF Three Barrier Solution**, the conveyor pulley's meantime between failures increased from two years to more than four, bringing greater reliability and significantly reducing maintenance costs, downtime and lost production.



Industry Sector:

**BUILDING MINING
& QUARRYING**