TIMKEN



TIMKEN SERVICE ENGINEERS, CYLINDRICAL ROLLER BEARINGS DELIVER MORE THAN $1 MILLION IN COST SAVINGS

CHALLENGE

Timken's global service engineering team serves as our on-site customer support arm. They demonstrate and install products and parts, provide training and consultation and resolve urgent issues for customers. This team recently helped one mining customer avoid an expensive and unexpected shutdown.

Twice a year, our service engineers visited the mining customer to inspect the hoist and drag motor extension shaft bearings in one of its draglines. Their mission: to track service life and system performance. During one of the visits, a service engineer noticed that the Timken® cylindrical roller bearings in the application had shifted. Damage to the dragline pedestal caused the shift.

Our cylindrical roller bearings offer high load-carrying capacity in a compact envelope with special cage designs to allocate more rollers. They're designed to stand up to heavy application loads with shaft deflection and misalignment. So while these bearings excelled under the challenging operating conditions, the customer wanted to avoid unplanned downtime on this critical piece of equipment. Any unexpected shutdowns could cost the mine millions of dollars.

TIMKEN SOLUTION

Our service engineers worked with the customer to monitor the progression of the bearing performance. This oversight allowed the customer to schedule planned downtime to replace the bearings with new Timken cylindrical roller bearings without disrupting operations.

Timken cylindrical roller bearings with enhanced internal geometries and profiling distribute load and minimize bearing stresses in a power-dense package. Our customers can optimize them to fit their application and choose from standard and specially designed bearings in a wide range of configurations and series. We offer premium brass-cage, steel-cage and full-complement designs for proven, reliable performance.

RESULTS THAT MATTER

Thanks to the diligence of our service engineers and the scheduled, planned replacement of the drivetrain bearing, the customer avoided what could have been more than $1 million in downtime expenses.

SCHEDULED MAINTENANCE LEADS TO
$1 MILLION SAVED
IN DOWNTIME



The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets bearings, gear drives, automated lubrication systems, belts, brakes, clutches, chain, couplings, linear motion products and related industrial motion rebuild and repair services.

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