CATERPILLAR D10T

Innovative ripper pins streamline mine dozer maintenance



FASTER MAINTENANCE

No need to rebuild lug ears or move the lift frame

VALUE-ADDED INNOVATION

Bolt-through design eliminates problems caused by tight clearances

EASY INSTALLATION

No line boring required

COST SAVINGS

Reduced downtime and extended joint lifecycle

THE CHALLENGE

Unique pin clearances complicate maintenance

SMS Equipment, Canada's largest Komatsu mining equipment dealer, had a customer operating CAT D10T dozers in a British Columbian copper mine.

Workers were faced with a complex repair process due to pin clearance issues. The lift frame and tracks had to be removed to set up line boring equipment, and lug ears had to be rebuilt. As a result, maintenance was costly and time consuming.

THE SOLUTION

No line boring required

Expander System ripper pins resolved the clearance issues. We offered a bolt-through design that could be installed from one side, eliminating the problems caused by a tight clearance or blind hole on the opposite side.

This made the ripper pins easy to install and remove without moving the lift frame or need for line boring.





LOCATION

British Columbia, Canada

APPLICATION

CAT D10T

CUSTOMER

Komatsu Dealer SMS Equipment

PRODUCT

Expander System Ripper Pins

THE RIPPER PINS WHERE EASY TO INSTALL AND REMOVE WITHOUT THE NEED TO REMOVE THE LIFT FRAME AND LINE BORING.

THE OUTCOME

Faster repair process

The Expander System reduced dozer downtime by streamlining maintenance. There were also substantial cost savings – there was no need to rebuild the lug ears, and Expander System innovation extended the joint life cycle.

Now when the mine purchases new dozers for their fleet, the OEM pins are immediately replaced with Expander System pins before the machines are put to work. Using Expander have become standard also for maintenance on their surface drills and trucks.



FIND OUT MORE

Founded in Sweden, in 1986, Expander System is the creator of the original pivot pin technology that permanently eliminates lug wear. The result over an entire lifecycle is increased uptime, savings on maintenance costs and a safer work and public environment. We have the largest standard range on the market, as well as a vast experience to create custom solutions to solve our customers' unique challenges.

Expander System is part of the Nord-Lock Group, a world leader in secure bolting solutions that offers a range of innovative technologies, including Nord-Lock wedge-locking, Superbolt multi-jackbolt tensioning, Boltight hydraulic tensioning and Expander System pivot pin technology.

Find out how the Expander System can solve your bolted challenges at Nord-Lock.com



