



KOMATSU 930E TRUCKS

Steering pin lifecycle 33 times longer with Expander System



EXTENDED LIFECYCLE

33 times longer – from 15,000 hours to 50,000 hours

FASTER INSTALLATION

12 times faster – 30 minutes per position vs. 6 hours

REDUCED MAINTENANCE

Less downtime and repair requirements

COST SAVINGS

Dramatic cost reduction compared to regular repairs

THE CHALLENGE

Reducing time and cost of steering pin repair across the fleet

SMS Equipment is Canada's largest Komatsu mining equipment dealer. With hundreds of 930E trucks to maintain, the company wanted to reduce the cost and time involved in conventional steering pin repair. This could in turn extend the machine life cycle.

THE SOLUTION

Preventing wear once and for all

Expander System offered SMS Equipment a cost-effective way to permanently prevent steering pin wear. Following approval of trial installations by the Canadian Mine Safety and Health Administration, we conducted on-site field tests with an emphasis on steering safety. The Expander System pivot pins performed successfully, and the SMS maintenance plan now specifies Expander System for steering pin repairs throughout the fleet.

SMS customers purchased a large amount of pins for their Komatsu trucks, with the number growing as additional vehicles come in for repair.



MINING & MINERALS SUCCESS STORY



LOCATION

British Columbia, Canada

APPLICATION

Komatsu 930E trucks

CUSTOMER

Komatsu Dealer
SMS Canada

PRODUCT

Expander System
Steering Pins

THE EXPANDER SYSTEM REDUCED REPAIR COSTS AND TRUCK DOWNTIME WHILE MAKING IT MUCH EASIER FOR SMS EQUIPMENT TO CARRY OUT ESSENTIAL MAINTENANCE.



THE OUTCOME

Faster installation and longer equipment lifecycles

The Expander System has dramatically reduced cost per pin and downtime. Repairs are 12 times faster than with conventional solutions – it only takes 30 minutes per position compared to 6 hours with conventional repairs. Steering pin lifecycle is 33 times longer – it's extended from 1,500 hours to 50,000 hours. Replacement time, too, reduced from 36 hours to only 6 hours. Komatsu was so pleased with the result that they started using Expander System in other applications.



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

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