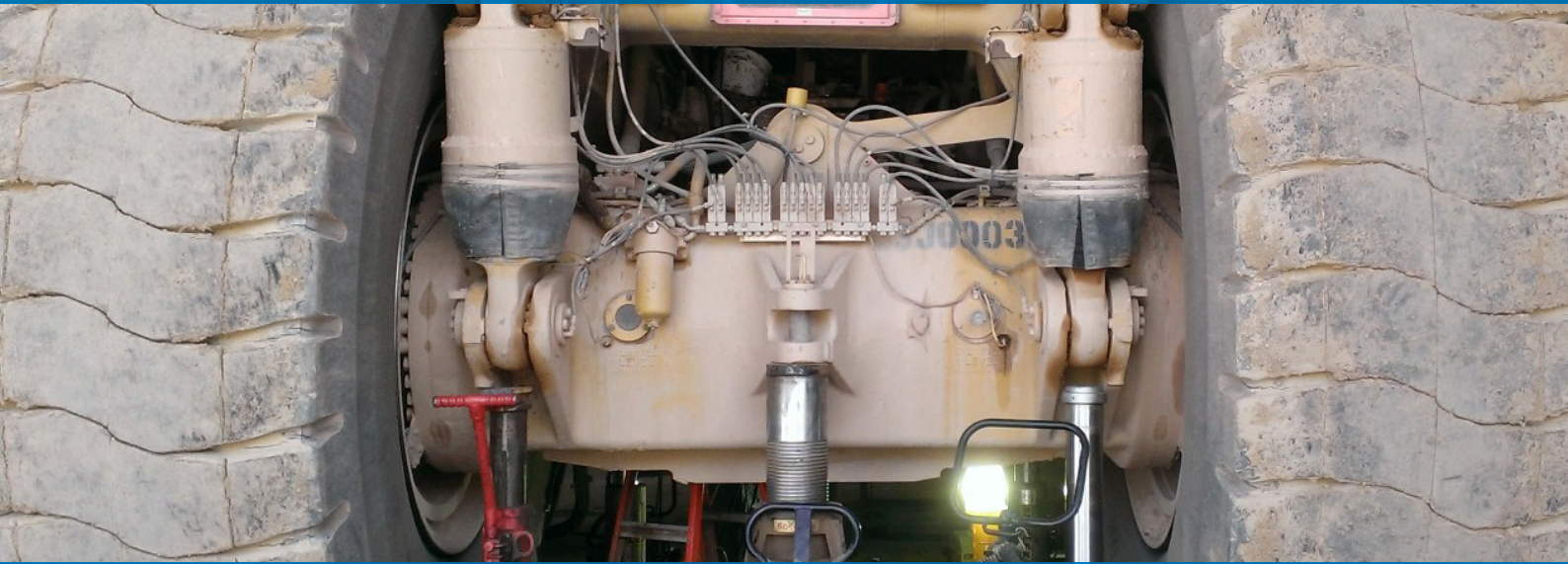




# CAT 793 HAUL TRUCK

## Stabilizer Links



### REDUCED DOWNTIME

Install the Expander® System pivot pin without removing wheels and struts

### COST SAVINGS

Elongates the lifecycle of the pin, bearings, and seals

### DURABLE & RELIABLE

Distributes pressure more evenly to create a tight fit

### SAFER INSTALLATION

Pins are easy to remove without lancing or injury

## THE CHALLENGE

The CAT® 793 Mining Truck is an industry workhorse that is used at thousands of mines all over the world. These powerful haul trucks operate under massive loads, without rest, 24 hours a day. Due to its heavy-duty work schedule, pivot lug wear is often found in the stabilizer link, a crucial component in aiding the suspension system.

In traditional pivot pin installation where bores are worn, the tires and strut must be removed. With lug wear and stuck pins, this process can take a 12-hour shift or more to repair. The mines cannot afford that much downtime.

## THE SOLUTION

If there is minimal wear in the lug bores, the Expander® System pivot pin can be installed directly into the worn lugs. There's no need to remove the tires and suspension for line boring, thus eliminating extended downtime for the truck. In addition, Expander offers a multi-bolt pin that allows the technicians to use smaller hand tools for installation.



## MINING & MINERALS SUCCESS STORY



### MARKET SEGMENT

Mining

### APPLICATION

Stabilizer Links

### CUSTOMER

Mines all over the world

### PRODUCT

Expander® System pivot pins



## THE OUTCOME

Expander System pivot pins are not limited to CAT haul trucks. Nord-Lock Group has applied the Expander pin technology to a variety of makes and models including Komatsu, Liebherr, Hitachi, Terex, and many others.

We guarantee that the Expander System pivot pin solution will perform as expected from the moment it is installed until the end of its intended lifecycle.

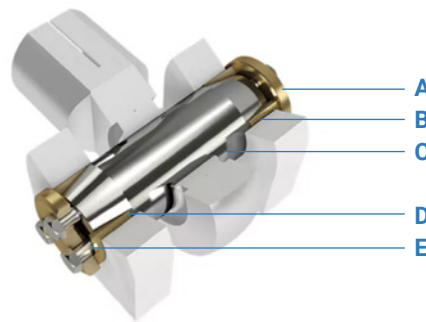
### FIND OUT MORE

Founded in Sweden, in 1986, Expander System created the original pivot pin technology that permanently eliminates lug wear. Since then, we have successfully carried out over one million installations involving many different types of pivot assemblies for thousands of machine makes and models. Using the Expander System results in increased uptime, savings on maintenance costs and a safer work and public environment.

Expander System is part of Nord-Lock Group, a world leader in secure bolting solutions that offers a range of innovative technologies, including Nord-Lock wedgelocking, Superbolt multi-jackbolt ensioning and Boltight hydraulic bolt tensioning.

Find out how Expander System can solve your bolting challenges at [Nord-Lock.com](http://Nord-Lock.com).

## HOW IT WORKS



- A.** When the fasteners are tightened, the washers press the slotted expansion sleeves up the tapered ends of the pin.
- B.** The sleeves expand to conform with the wear patterns and lock the system in place.
- C.** The Expander System fits into the existing mount without expensive welding and line boring.
- D.** Once re-torqued according to instructions, the system locks from both sides for significantly greater stability.
- E.** Removal and reinstallation are easy, and the system is reusable indefinitely.

### THE EXPANDER SYSTEM DIFFERENCE

Whatever challenges lug wear is causing your excavators, mobile cranes, and dump trucks, we will work with you to maximize uptime and minimize maintenance costs. Over 40 years of advancing and perfecting our pivot pin technology has given us unprecedented expertise in the sector. No matter your engineering challenge – the Expander System has the perfect pivot pin solution for you.