

**ENHANCED
PERFORMANCE**



GREASEABLE HOIST PIN ASSEMBLY

The Caterpillar 7-Series Haul Truck
Hoist Cylinder Pin

2025 - Revision 6

Minimise Downtime, Maximise Safety

Hoist Pin Challenges

Standard OEM hoist pins are susceptible to seizing due to its design having inefficient greasing. Often resulting in maintenance teams using hot works to lance out the seized pins. Increasing planned fleet downtime and creating deviations from safe work practices.

Hazards of Hot Works

The hazards associated with thermal lancing include intense heat, potential environmental damage, noise pollution, respiratory risks, and fire hazards that pose significant threats to both workers and the surrounding ecosystem.

The Geographe Solution

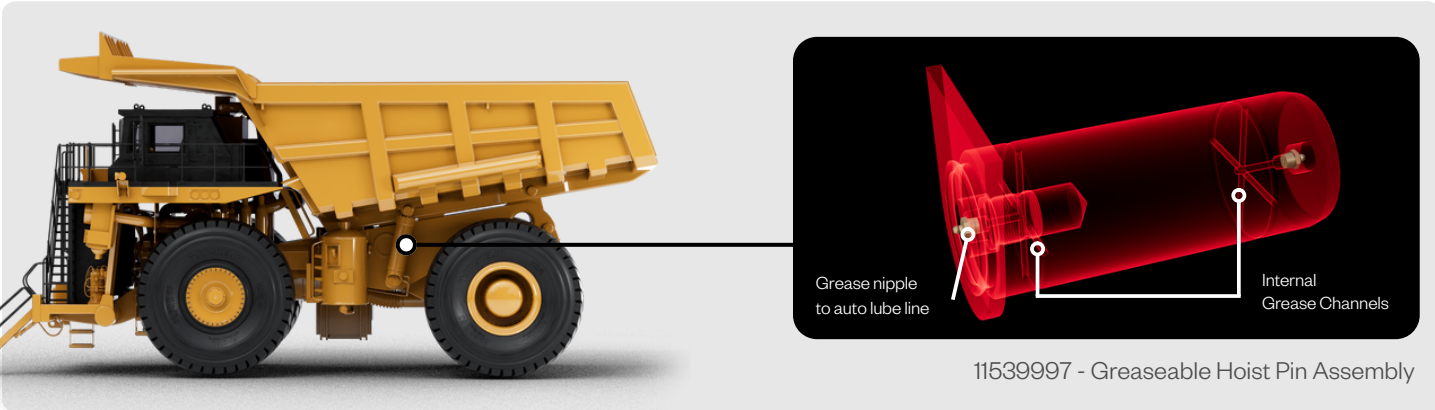
Geographe were asked to engineer a solution to this problem. Our Enhanced Performance design is a "Greased" version allowing auto lube to be set up, forcing grease into the "Tray Ears". This can make extraction much easier without the need for hot works.

NOTE: No modifications are required to the machine for fitment of the EPMOD version but Auto Lube lines may need to be run in.

Features

Designed to improve upon the standard hoist pin design by incorporating seamless integration with the truck's automatic lubrication system, ensuring easy greasing. Making pin extraction both safer and more efficient.

- Safer work environment for maintenance teams by reducing hot works.
- Increase fleet uptime with efficient extraction.
- Decreases deviation from safe work procedures.
- Helps prevent damage, reducing the need for welding and line-boring repairs.



OEM	Machine	Location	Geographe Reference
Caterpillar	785/789	Hoist Cylinder	11541298**
Caterpillar	785/789	Hoist Cylinder	11539997**
Caterpillar	793	Hoist Cylinder	11539181**
Caterpillar	793	Hoist Cylinder	11541986**

**Due to the different brands of "Trays" in the field, the greasing distance between the "Tray Ears" can vary, Geographe has alternate greasing distances available to suit customer's requirement.



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With over 1,000 Enhanced Performance (EP™) components now catalogued to suit OEM brands such as Caterpillar, Komatsu, Hitachi, and Liebherr, Geographe creates and manufactures products to outperform any wear parts in the market.



Extend the
Operational Life
of parts



Correct known
deficiencies in
OEM parts



Adapt existing
designs for specific
conditions



Cut maintenance
costs and increase
uptime

How we add value to your operation

At Geographe, our products are designed to deliver beyond expectations. We provide engineered solutions to achieve higher equipment utilisation and performance rates.

We collaborate with our customers to solve mine site challenges, helping to significantly reduce maintenance time, improve safety, and decrease up-front and whole-of-life operating costs.

Through innovative thinking and a pioneering approach, our dedicated team of skilled engineers, metallurgists, analysts, and developers design and engineer high-performance parts to support optimal performance and minimal interruptions to operating equipment in mine sites around the world.

Let us know how
we can help.

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TO DELIVER.**



All manufacturers names, numbers, symbols and descriptions are used for reference purposes only.

It is not implied that any part listed is the product of the OEM.

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