

D9 General Duty Undercarriage

Lowering Cost per Hour



Customer Focus

- Increase durability
- Reduce maintenance downtime

Site Application

Machine: Cat® D9, Large Track-Type Tractor

Current UC System: General Duty

Commodity: Diamond

Digging Conditions: High abrasion, moderate impact

Caterpillar Solution

Cat 458-7787 link assembly

Results:

- Extended track life
- Improved durability
- Reduced maintenance downtime



“I have seen enough to make a decision to buy Cat.”

A diamond mine in Russia had been buying DCF undercarriage for their D9 tractors. The Cat dealer presented the General Duty system with an undercarriage management program as a solution to lower the customer's cost per hour versus DCF. The customer conducted a trial on two of their D9 large track-type tractors, and the dealer monitored the undercarriage performance.

The DCF undercarriage had a life of 3,000 hours with a sprocket replacement at mid-life. At 3,000 hours, the system had to be fully replaced. The Cat General Duty undercarriage did not need full system replacements every 3,000 hours. The dealer was able to reuse rollers, idlers and track shoes to lower the cost per hour. A cost per hour analysis at 6,000 hours showed that the Cat General Duty undercarriage was 10% lower than DCF and saving over \$10,000 each year.

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