

# 6060 HD Undercarriage

How Far Can You Go?



## Customer Focus

- Improve mobility
- Increase reliability and durability
- Reduce maintenance downtime

## Site Application

**Machine:** Cat® 6060 Hydraulic Mining Shovel

**Current UC System:** Cat 512-0710, 512-0711, 465-8431, 492-5517, and 477-7938

**Commodity:** Iron

**Digging Conditions:** Moderate abrasion, moderate impact

## Caterpillar Solution

Cat Heavy Duty (HD) Undercarriage (Cat 512-0710, 512-0711, 465-8431, 492-5517, and 477-7938)

## Results:

- Extended tramability
- Improved reliability and performance



### *Undercarriage temperatures after a day of tramping*

**“I cannot believe we walked the machine that far without any problems from the undercarriage.”**

A customer in the northern United States bought a new 6060 machine equipped with a Heavy Duty (HD) undercarriage system. The machine was assembled on a build pad that was 19.3 km (12 miles) from its digging location in the mine. After commissioning, it had a long journey to the pit. With a legacy undercarriage, this tram would have taken up to four days with continual stops to let the undercarriage cool. Instead, the HD undercarriage successfully trammed 14.4 km (9 miles) the first day. Continual monitoring of the undercarriage, especially the roller temperatures, was done throughout the day. The roller shaft temperatures never exceeded 25°C/80°F. The track joints did not show excessive temperatures. The machine completed its journey into the pit before lunch the second day—two and a half days before the “old” normal. Upon arriving in the pit, the undercarriage received a full inspection. Everything was in good working order. The customer and dealer personnel all made the same comment, “I cannot believe we walked the machine that far without any problems from the undercarriage!”

The customer now has two extra days of productivity worth \$400,000 and more saving to come with the HD undercarriage system.

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