

# Mobil Dynagear™ 4000 open gear lubricant helps mine improve shovel hoist lubrication\*



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## Caterpillar Bucyrus-Erie 495 NI shovel - hoist | Mining company | Quebec, Canada

### Situation

In June 2011, Caterpillar revised the open gear lubricant specification for its Bucyrus-Erie 495 BI shovel and provided a revised service notice. In response to the notice, the company approached ExxonMobil to identify a lubricant to meet the new system specifications.

### Recommendation

ExxonMobil engineers recommended the company use **Mobil Dynagear™ 4000** open gear lubricant along with a performance study to evaluate the product.

**Mobil Dynagear 4000** is formulated to meet the Caterpillar SD4713 specification and provide outstanding protection of heavily loaded gears while using solvent-free technology to help reduce run-off during application.

### Impact

Results from the performance study indicated that **Mobil Dynagear 4000** open gear lubricant maintained its characteristics while in service and helped to protect the gears. As a result, **Mobil Dynagear 4000** helped improve production reliability and reduce equipment maintenance costs. Since performing the initial study, the company has transitioned three of its shovels to **Mobil Dynagear 4000** open gear lubricant.

### Benefit

The company reports that **Mobil Dynagear 4000** has helped enhance equipment protection and prevent unscheduled downtime.

**Mobil Dynagear 4000 provided greater oil film thickness than solvent-cutback lubes in high temperatures.**

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\*This Proof of Performance is based on the experience of a single customer. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.

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