

Mobil Delvac 1™ ESP 5W-40 helps Canadian mining company improve fuel efficiency and reduce engine emissions



#### Objective

Improve fuel efficiency and reduce engine emissions

- Coal mine
- British Columbia, Canada

#### Situation

A Canadian coal mine operates a large fleet of production haul trucks and support equipment. The haul trucks can burn in excess of 150 litres per hour at full load. In an effort to improve the fleet's fuel efficiency, the company approached Imperial Technical Advisors to determine an alternative lubricant solution.

#### Solution

Working with the company's maintenance team, Imperial Technical Advisors conducted a study on how **Mobil Delvac 1™ ESP 5W-40** synthetic diesel engine oil can help improve fuel efficiency compared to conventional SAE 15W-40 engine oil. A fuel economy study was then conducted on one of the customer's high horsepower engines using an engine dynamometer, high accuracy fuel meters, and the customer's engine load profiles as operating parameters.

After conducting the study, Imperial Technical Advisors recommended the company use **Mobil Delvac 1 ESP 5W-40** in its mobile equipment fleet to improve fuel efficiency while simultaneously reducing overall engine emissions.

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Customer-estimated annual fuel savings of more than

CDN \$2M

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Engine emissions reduced by

8,000  
metric tons

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## Results

After using **Mobil Delvac 1™ ESP 5W-40** synthetic engine oil, the company reports that it has improved fuel economy by one percent, which equates to a customer-estimated annual fuel savings of more than CDN \$2,000,000. In addition, the related emissions reduction was estimated at more than 8,000 metric tons.

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# 1%

## Fuel economy improvement

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### Advancing productivity

Our lubrication solutions - high performance lubricants backed by application expertise and services - are designed to help you get the most out of your operations.

### Safety

Long oil life can help reduce maintenance and the risks associated with employee-equipment interaction.

### Environmental care

Long oil life reduces oil consumption and waste disposal.

### Productivity

Mobil Delvac 1 can help increase equipment in-service time, increasing productivity without compromising the protection of engines operating in demanding conditions.

For more information on Mobil Delvac 1 and Mobil Delvac lubricants or to directly contact your nearest Imperial Distributor, visit [mobildelvac.ca](http://mobildelvac.ca)



**Advancing  
Productivity™**