



## Use of Mobilmet 763 Triples Tool Life, Saving More Than USD \$20,000

**Dadson Drill – Deep Hole Drilling Operation  
Fairbanks Morse Engine  
Beloit, Wisconsin, United States**

### Situation

Fairbanks Morse produces large internal combustion engines used in ships and other applications. They make engine parts at this plant and perform the metalworking operations needed to create the finished parts.

The Dadson Drill is a critical piece of equipment used in a deep hole drilling operation to create a long lube oil passage hole through the middle of large forged steel connecting rods. The company was using a well known competitor's cutting oil for this operation and was able to complete the drilling on three rods for each BTA drill insert.

### Recommendation

ExxonMobil engineers recommended use of **Mobilmet 763**. Installation of this chlorine-free mineral oil, intended for severe cutting operations and recommended for deep hole drilling operations, was proposed to increase tool life, while reducing overall costs.

### Result

Use of **Mobilmet 763** resulted in an increase in the number of connecting rods that could be drilled, from three rods to nine rods for each BTA drill insert. By tripling the part production for one drill insert, the number of inserts needed was cut by 66 percent. Through a reduction in the number of drill inserts needed, Fairbanks Morse realized cost savings exceeding USD \$20,000 per year.

The product performance of **Mobilmet 763**, alongside the application expertise provided by local ExxonMobil engineering support, helped to improve customer productivity potential.



*Through use of **Mobilmet 763**, Fairbanks Morse tripled part production and saved USD \$20,000 annually.*

**For more information on Mobil Industrial Lubricants and services, call your local company representative or visit [www.mobilindustrial.com](http://www.mobilindustrial.com).**

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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.*