

# Mobilgear SHC™ XMP 460 synthetic gear oil helps reduce micropitting and extend oil drain intervals\*



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## Moventas gearboxes | Scot Forge | Spring Grove, Illinois, United States

### Situation

Scot Forge operates a Wagner Dortman Thyssen ring mill that produces custom open die and rolled ring forgings. Lubricated with a conventional gear oil, the mill's gearboxes were experiencing micropitting due to rigorous operating conditions, which caused equipment failure and unscheduled downtime. In an effort to improve operational reliability, the manufacturer approached ExxonMobil for an alternative lubricant solution capable of preventing component corrosion and machine failure.

### Benefit

Scot Forge reports that **Mobilgear SHC XMP 460** synthetic gear oil has reduced plant downtime and maintenance related to gearbox failures, while also extending oil drain intervals and reducing lubrication maintenance and used oil disposal costs.

### Recommendation

ExxonMobil engineers recommended Scot Forge transition to **Mobilgear SHC™ XMP 460** high performance synthetic gear oil. With excellent oxidation resistance, a high viscosity index and low friction properties, **Mobilgear SHC XMP** series lubricants provide robust protection against scuffing wear and micropitting fatigue failure modes under extreme conditions. ExxonMobil engineers also recommended implementing **Mobil Serv<sup>SM</sup> Lubricant Analysis** to monitor oil and equipment condition.

Estimated annual  
savings of  
**US \$390K**

### Impact

After switching to **Mobilgear SHC XMP 460** and beginning routine **Mobil Serv Lubricant Analysis**, Scot Forge was able to successfully reduce micropitting, which has helped prevent gearbox failures.

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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.

\*\*Visit mobilindustrial.com to learn how certain Mobil-branded lubricants may provide benefits to help reduce environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.

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