

# Mobil SHC™ 629 synthetic gear oil helps enhance mixer efficiency\*



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## Western DV 6OH model gearboxes | Fermentation facility | United States

### Situation

A pharmaceutical company's fermentation facility operates 18 mixers, each driven by 500 HP motors and Western DV 6OH model gearboxes. These gearboxes operate outdoors in temperatures as low as 0°F (-18°C) to as high as 100°F (38°C). In an effort to increase equipment reliability, the company approached ExxonMobil engineers to determine a strategy for extending the performance lifespan of both the equipment and in-service oil.

### Recommendation

ExxonMobil engineers recommended the use of **Mobil SHC™ 629** synthetic gear oil. Formulated from high viscosity base fluids and a proprietary additive system, **Mobil SHC 629** is scientifically engineered to provide outstanding performance in extreme service applications at high and low temperatures, well beyond the capabilities of mineral oils. The company also established a bi-annual filter cart program to support its preventative maintenance routine.

### Impact

The company reports that the use of **Mobil SHC 629** gear oil has helped maintenance personnel successfully extend oil drain intervals to beyond 20 years. This was achieved through reliable company maintenance practices that included the bi-annual use of a filter-cart to reduce water and particle contamination, and the annual addition of approximately 2 percent of the gearboxes oil reservoir capacity for make-up oil.

### Benefit

The company reports that **Mobil SHC 629** synthetic gear oil has helped extend oil drain intervals by six times, reduce used oil generation by 6,700 gallons, and prolong oil and equipment life.

Reduced oil-related expenditures by an estimated

**50%**

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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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