

Mobil SHC™ PF 462 synthetic grease helps packaging plant boost productivity and improve bearing life*



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Chicago blowers | Graphic packaging plant | Louisiana, United States

Situation

The coater fan bearings on the blowers in a graphic packaging plant's #7 paper machine were exposed to operating temperatures of up to 148°C (300 °F). As a result, the fan bearings on these Chicago blowers experienced failures approximately every two weeks which impacted the packaging plant's production. In an effort to improve equipment reliability, the company approached ExxonMobil to identify a grease solution capable of reducing operating temperatures.

Recommendation

ExxonMobil engineers recommended switching to **Mobil SHC™ PF 462** synthetic grease. Formulated with synthetic perfluoropolyether (PFPE) oil and polytetrafluoroethylene (PTFE) thickener, **Mobil SHC PF 462** provides dependable performance up to 240°C (464°F) while providing a long lubricant life.

Impact

Mobil SHC PF 462 synthetic grease helped reduce average operating temperatures of the fan bearings by 35°C (95°F), which extended bearing life from two weeks to eight months. This allowed the plant to increase production revenue and significantly reduce frequent bearing repairs.

Benefit

The company reports that upgrading to **Mobil SHC PF 462** resulted in annual benefits of US \$370,000 in added production revenue and more than US \$93,000 in parts and maintenance savings.

Company-estimated
annual benefit of
US \$463K

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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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