

Mobil SHC™ PM 320 synthetic paper machine oil helps mill improve calendar reliability*



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Beloit/Metso calendar lube system | Paper mill | Maine, United States

Situation

A Maine paper mill operates a Beloit/Metso calendar and size press on its PM4 with a 4,500 gallon lube system that circulates oil to eight large spherical roller bearings. Operating at high temperatures and with rigorous production schedules, the company approached ExxonMobil for a lubricant solution to protect this critical equipment during extended operation at high temperatures.

Recommendation

ExxonMobil engineers recommended the company use **Mobil SHC™ PM 320** synthetic paper machine circulating oil. The high viscosity index and thermal stability of **Mobil SHC PM 320** allows it to withstand high temperatures, providing superior lubrication that can extend bearing life. They also recommended the mill perform routine **Mobil ServSM Lubricant Analysis** to help monitor equipment and oil condition.

Impact

After transitioning to **Mobil SHC PM 320**, the calendar lube oil system on PM4 was able to exceed 15 years of operation without a single lubricant-related bearing issue. In addition, the use of **Mobil Serv Lubricant Analysis** has helped the mill avoid premature fluid change-out and has extended the life of the system's lubricant by three years.

Benefit

The company reports that **Mobil SHC PM 320** circulating oil has helped improve equipment reliability and extend oil drain intervals to generate a company-estimated savings of US \$34,500 over three years.

15 years
Without a lubricant-related bearing issue

Industrial
Lubricants



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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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