

# Effective and efficient

Energy efficiency benefits of Mobil SHC 600 help to support Smurfit Kappa's sustainability objectives by reducing equipment operating temperatures

Smurfit Kappa, a leading producer of paper-based packaging, has reported a gearbox energy efficiency saving of approximately 6.5 percent following a field trial using the new Mobil SHC 600 Series. These high-performance synthetic gear-circulating and bearing oils have been engineered to help pulp and paper companies increase productivity, reduce costs and deliver sustainability-related benefits.

As part of Smurfit Kappa's ongoing commitment to improving the productivity and sustainability of its operations, the business recently undertook a field trial to monitor the performance of the new Mobil SHC 600 Series. ExxonMobil engineers visited Smurfit Kappa's plant in Snodland, Kent, and ran Mobil SHC 632 against

the mineral-based oil already used in a Santasalo 2556 double reduction gearbox in the 2nd press drive on its PM7. ExxonMobil engineers recorded temperature and power usage data from the gearbox with both the previous oil and the new Mobil SHC 600 Series over a six month period. The gearbox was operated at a constant load throughout this reference period.

The introduction of the new Mobil SHC 600 Series achieved significant results compared to the previous lubricant. For example, the lower traction coefficient and superior viscometrics of the fluid enabled the customer to report an average energy efficient saving up to 6.5 percent. In addition, an operating temperature drop of 8-10C was also realised, which can help to

prolong the life of both the oil and equipment.

Rainer Lange, Mobil SHC Brand Advisor for Europe, Africa and Middle East, ExxonMobil Lubricants and Petroleum Specialties Company said, "As the pulp and paper industry continues to face challenging market conditions with high competition and rising costs, Mobil SHC 600 Series lubricants are expertly formulated to help large scale industrial operators like Smurfit Kappa meet their application-specific goals and provide valuable sustainability-related benefits, such as enhanced energy efficiency, extended oil drain intervals and prolonged equipment life."

In addition to potential energy efficiency benefits, the enhanced Mobil SHC 600 Series oils can deliver a service life up to six times longer than competitive mineral oil based gear and bearing lubricants. Further benefits of the Mobil SHC 600 Series include outstanding low temperature fluidity which enable start up and operations at low temperatures and excellent resistance to rusting and corrosion for equipment protection. The multi-purpose potential of Mobil SHC 600 Series oils can enable companies to reduce their overall lubricant inventory, delivering additional cost-savings and storage benefits.

For more information about Mobil SHC branded synthetic lubricants, such as Mobil SHC 600, or any other Mobil-branded products and services, visit [www.mobilindustrial.com](http://www.mobilindustrial.com)

