



Mobil SHC™ 630 Helps Coking Branch, Xinyu Iron & Steel Co., Ltd. Save US\$ 1,830 Annually

Jiangsu Tailong ZQ850 Gearbox
Coking Branch, Xinyu Iron & Steel Co., Ltd.
Xinyu City, Jiangxi Province, P.R.China
ExxonMobil customer since 1993

Situation

There are 16 sets of conveyors in Coking Branch, Xinyu Iron & Steel Co., Ltd. The gearboxes of the conveyors were lubricated with a mineral oil that caused abnormal wearing of the gear and short oil drain intervals. In addition, the gearboxes were located at a relatively high position, increasing the risk and cost of maintenance.

Recommendation

The ExxonMobil Lube Engineer conducted on-site inspections together with the ExxonMobil customer and recommended Mobil SHC 630 and Signum Oil Analysis. As Mobil SHC 630 has excellent high-temperature oxidation stability, low traction co-efficiency and high viscosity index, it is able to extend oil drain interval and improve the energy efficiency of the system.

Result

After the implementation of Mobil SHC 630, the plant managed to achieve a total annual savings of US\$ 1,830. The benefits resulted from:

- Decreasing the average working temperature of the gearboxes by 6.7°C
- Decreasing the electric motor current by about 3.26%



Conveyor Gearbox

For more information on Mobil SHC and other Mobil Branded Industrial Lubricants and services, call your local company representative or visit www.mobilindustrial.com

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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.