



## Mobil SHC™ 626 Helps Xinyu Iron & Steel Co., Ltd. Heat Electric Plant Save US\$ 2,100 Annually

**Shanghai Better L80 Cooling Tower Fan**  
**Xinyu Iron & Steel Co., Ltd. Heat Electric Plant**  
**Xinyu City, Jiangxi Province, P.R.China**  
**ExxonMobil customer since 1993**

### Situation

There are eight cooling towers in Xinyu Iron & Steel Co., Ltd, Heat Electric Plant. The core equipment of these cooling towers is the gearbox of the tower fans. These were lubricated with a mineral oil and were costly to maintain. Hence, the plant was seeking a cost-effective lubricant that could improve operational and energy efficiency while reducing total cost.

### Recommendation

The ExxonMobil Lube Engineer conducted on-site inspections with the ExxonMobil customer and recommended Mobil SHC 626 and Signum Oil Analysis. As Mobil SHC 626 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 626, the plant managed to achieve a total annual savings of US\$ 2,100. The benefits resulted from:

- Decreasing the average working temperature of the gearboxes by 5°C
- Decreasing the electric motor current by about 1.45%



**Cooling Tower Fan 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](http://www.mobilindustrial.com)

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 HIPOP 2012-301

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.