



## Mobil SHC™ 630 and Mobil Engineering Services Help Honam Petrochemical Corporation Save US\$ 60,000 Annually

**Kobe Steel Extruder - Gearbox**  
**Honam Petrochemical Corporation**  
**Daesan, Korea**

### Situation

Honam Petrochemical produces LLDPE (Linear Low Density Polyethylene) and operates two large 4.2 MW extruders with gearboxes by Kobe Steel. These extruder gearboxes were utilized 24/7 throughout the year and were lubricated by a third party mineral gear oil of ISO viscosity grade 220. The company intended to increase the reliability of the gearboxes and extend the oil drain interval.

### Recommendation

After an analysis of the situation, the ExxonMobil Lube Engineer recommended **Mobil SHC™ 630**, a fully synthetic exceptional performance gear and bearing oil which provides excellent benefits of low traction coefficient, superior thermal stability and outstanding oxidation resistance. ExxonMobil's **Signum<sup>SM</sup> Oil Analysis** program was also implemented to improve productivity.

### Result

Since the deployment of **Mobil SHC 630** and the **Signum Oil Analysis** program, the extruder gearboxes have been operating smoothly and power consumption has been reduced by about 4.8%. These results have contributed to an annual savings of about US\$ 60,000 for the plant.



**Extruder Gearbox**

For more information on Mobil SHC™ and other Mobil™ Branded Industrial Lubricants and services, call your local company representative or visit [mobilindustrial.com](http://mobilindustrial.com)

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