

Mobilgear 630 Supported by Mobil Engineering Service Saves US\$ 974,410

Intermediate and Roughing Mill Gears
Jiuquan Iron & Steel Co.
High Speed Wire Rod Mill
China
Mobil customer since 1989

Objective

To extend oil life and eliminate presence of sludge

The N220 gear oil used in the elastohydrodynamic lubrication of Intermediate and Roughing Mill gears deteriorated rapidly. The gears operate under heavy loading conditions. Moreover the oil viscosity was reduced and sludge was formed. Oil changes were required twice a year and this led to unwanted downtime.

Solution

Mobil Engineers recommended switching to **Mobilgear 630** and supported by regular monitoring through Mobil Engineering service.

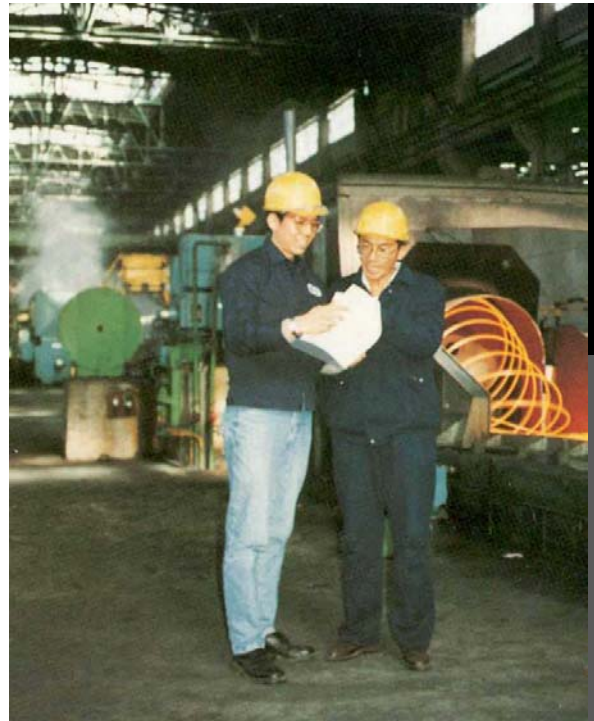
Result

After 1 year, oil analysis shows that **Mobilgear 630** remains in good condition and its service can be continued.

Benefits

With **Mobilgear 630**, total annual savings of US\$ 874,410 was achieved with contributions from:

- Oil - US\$ 8,910
- Filter Element - US\$ 15,500
- Recovered production - US\$ 950,000



Mobil engineer is discussing the maintenance proposal with customer on site

