

Mobil SHC 630 Assures Optimum Performance of Bearing

Roots Blowers
Guangzhou Zhujiang Cement Mill, China
Mobil Customer since 1992

Objective

To improve production efficiency by reducing unscheduled downtime.

The challenge faced by Roots blowers are their high temperature operating condition. The Roots blowers were previously lubricated by a competitor's mineral gear oil which deteriorated rapidly with significant viscosity decrease at a temperature of 100°C . The customer had to change the oil every 2 months and bearings every 3~4months.

Solution

The ExxonMobil lubrication engineer analyzed the application and recommended Mobil SHC 630, a synthetics circulating oil, to replace the competitor's mineral oil.

Mobil EM/PA used oil analysis was provided as a service.

Result

The oil operating temperature was reduced from 100°C to around 94°C. The oil drain interval was extended to 1 year as was the bearing life. Moreover all Roots blowers are in excellent condition.

Benefit

Savings of RMB84,344 was achieved in the past 4 years, which came mainly from:

- Extended oil drain interval.
- Extended bearings service life.



Roots Blower in Zhujiang Cement Plant

