

# Annual Energy Savings of US\$ 5,000 with Mobil Synthetic Glygoyle 30

**No. 19 Calender**  
**China General Plastic Corporation**  
**Taiwan**

## Objective

To reduce oil temperature and extend service life of bearings.

The temperature of the lubricant in calenders was found to be too high. During maintenance, black carbon deposits resulted from the wear of bearings in No. 19 calender.

To understand the excellent properties of **Mobil Glygoyle 30**, our customer selected No. 25 calender as a test bed to compare the energy-saving properties of mineral oil and **Mobil Glygoyle 30**.

## Solution

Mobil lube engineers recommended replacing the current mineral oil with **Mobil Glygoyle 30**.

## Result

Through Mobil's oil analysis program, it was found that **Mobil Glygoyle 30** provided excellent lubricity to decrease oil temperature to 70°C in No.19 calender. Its capabilities, which surpass that of mineral oils, not only extended the life of the bearings and also extended the drain period to four years.

## Benefits

The results of No.25 calender revealed savings of US\$ 5,000 when **Mobil Glygoyle 30** was used.

