

Mobilgear SHC 320 Assures Optimum Performance of Gear Reducer

LIGHTNIN Worm Gear Boxes
Gansu Baiyin Company
China
Mobil Customer since 1998

Objective

To improve production efficiency by reducing unscheduled downtime.

The LIGHTNIN gear reducer drives the zinc-lead fluid mixer and is operating in a high load and high temperature condition. It was lubricated by a competitor's mineral gear oil, which deteriorated rapidly at the temperature of 80C and formed a significant amount of sludge. The customer had to change the oil every year.

Solution

The Mobil Lubrication engineer recommended replacing the competitor's mineral oil with Mobilgear SHC 320 synthetic gear oil.

Mobil EM/PA monitor program was provided as well.

Result

The oil operating temperature was reduced from 80C to an average of 62C. The oil drain interval was extended to 3 years. All gear reducers were in excellent condition.

Benefits

Tangible savings of USD 26,870 was achieved in the past 3 years, which mainly come from:

- Increased productivity generated by improved equipment efficiency.
- Extended oil drain interval.
- Reduced labor cost.

