

Certified High Performance at Traction Motor Gear with Mobilgear SHC 6800

**Traction Motor Gear
Korean National Railroad
Korea
Mobil customer since 1998**

Objective

To extend maintenance intervals

A field trial was conducted on a diesel-electric locomotive for 6 months or 60,000 miles. Korean National Railroad monitored its drain intervals and condition of the pinion and ring gear-tooth. There were evidences of irregular leakage due to cleft and distortion of gear cases and surface wear of pinion and ring gears.

Solution

The competitor's compound grease is replaced with **Mobilgear SHC 6800**. It is exclusively endorsed by EMD for use in DC traction motor drives and General Electric has given it exclusive approval against GE spec D50E25B.

Result

After switching to **Mobilgear SHC 6800**, our Mobil Engineers detected the absence of cleft and distortion of gear cases. There was also no failure at the pinion and ring gear-tooth. The grease need not be drained or re-filled for 3 months.

Benefits

Korean National Railroad enjoyed extensive cost savings through reduction of irregular leakage and gear-tooth surface wear.



One of Korean National Railroad's train

