

Mobil SHC 629 Prevents Overhauls of Equipment for 4 Years

Mixer Gear Boxes
Costain Building and Civil Engineering Limited
Chek Lap Kok Costain Batching Plant
Hong Kong
Mobil customer since 1992

Objective

To minimize overhauls of heavy equipment and save on spare parts cost.

Costain is the authorized supplier of high quality concrete for the development of Chek Lap Kok Airport. In the concrete mixer plant, there are 2 gear boxes in a mixing column to drive the mixer rotors. The equipment operates 24 hours daily and sustain sudden heavy loads averaging 5 ton per 50 seconds. The gear boxes were damaged in an accident 3 years ago and there was evidence of gear pitting and increased wear debris in the oil.

Solution

Mobil Engineers recommended replacing Mobilgear 629 with Mobil SHC 629 and conducted regular monitoring through Mobil Used Oil Analysis.

Result

- All 4 gear boxes operated continuously for 3 years without overhauls.
- The drain period was maintained at 3 years and continues to offer maximum protection.

Benefits

The plant realized total savings of HK\$ 1,841,856 for the 3 - year period.



Gear Box using Mobil SHC 629

