

DOUBLE LIFETIME IN TRANSMISSIONS FOR MINING EQUIPMENT

Propel transmission in shovel Liebherr 984



Challenge

- Noticeable wear in planetary gears tooth flanks
- Short lifetime of gear drives, less than 4000 hours
- High overhaul cost of around \$60,000
- Downtime for switching transmissions



Rewitec has been installed in March 2009 in transmissions with 3000+ hours operation. The first inspection showed no further decay whatsoever. As of January 2010, the treated drive has 7 times lower wear particulate than the opposite side that was the control side. The number of hours on the long term test protocol to double the lifetime on these transmissions of 10,000 hours was achieved this month.

Reference: Engineering offices MC Eng, Miami 305 380 9545