

How our FALK Select Partner status saved our customer \$350K.

GEARBOX CASE STUDY: \$350K SAVINGS.



Coal Generating Facility Emergency Repair FALK Gearbox - Application Coal Crusher 1500HP





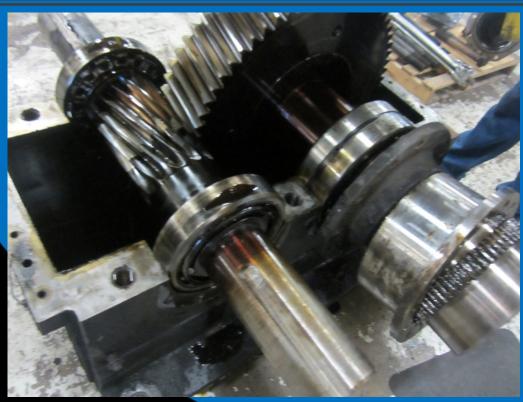


Incoming





Disassembly





Heavy Oil Oxidation from Heat







Fractured bearing discovered during autopsy.

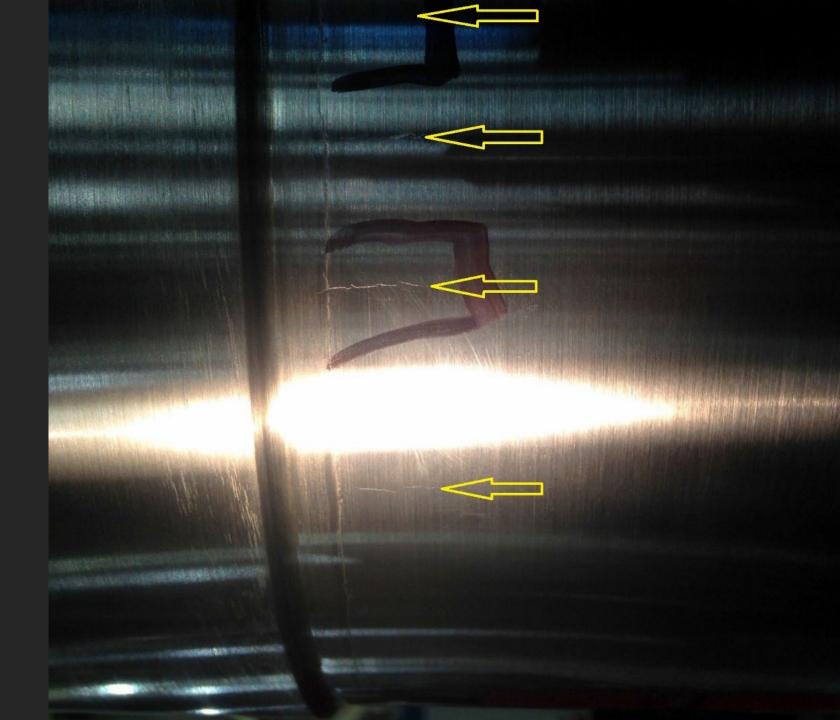






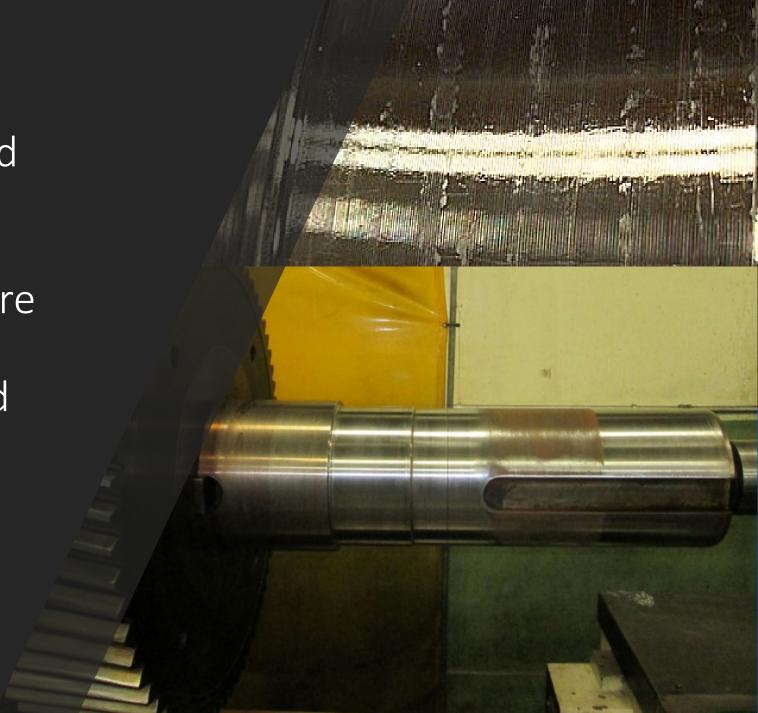


Examination of output shaft found repetitive surface marks





Further investigation found an output shaft turn in lathe .100" smaller for deeper structure evaluation and additional marks appeared



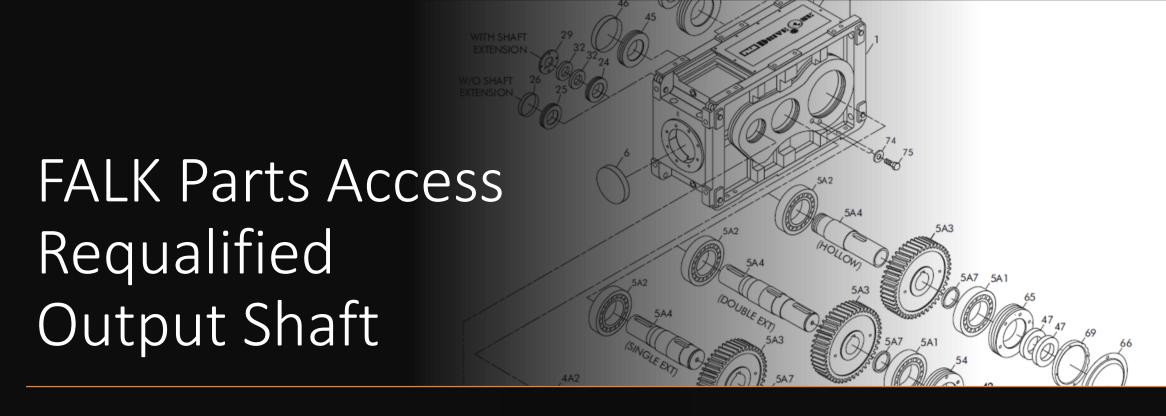


Dye penetrant check shows multiple parallel cracks due to fatigue









As a FALK select partner, we have access to certain FALK parts that other shops simply do not.

After performing a RCFA, we contacted FALK for special access to their requalified parts.





Saturday New Shaft Ordered

Overnight Courier

Delivery at Sunday 6AM



- Factory Part was 8 to 10 weeks delivery
- Machining a new shaft would take 7-days

Calculated TCO Savings: \$50,000 per day X 7 days \$350,000 Savings



