

Service, solutions and support

Gearboxes and associated equipment

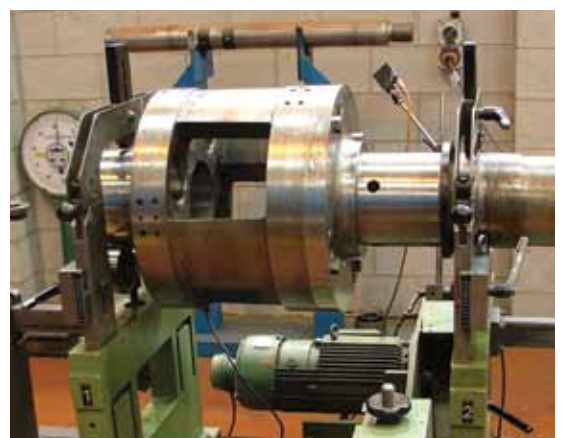
Weir Minerals Services specialises in gearbox repairs and overhauls with an OEM service agreement with Allen Gearing Solutions, UK. Our high level skills and long term experience also enable us to repair and rebuild a range of third party gearboxes.

Capabilities include:

- refurbishment and repair of epicyclic, parallel shift and combination gearboxes
- component supply and spares
- total care maintenance
- gearbox upgrades and reverse engineering
- troubleshooting and failure analysis
- noise and vibration surveys with gearbox running under normal operating conditions
- full gearbox inspections - removal gear internals from gearcase; remove spindle end covers, inspect spindle bores, remove sludge deposits and clean thoroughly; dismantle gear completely, clean and inspect all components, check all oilways are clear; remove centrifuged sludge from high speed coupling sleeve; dismantle trunion mounts, check, clean and lubricate; check auxiliary drives; check helicoil inserts and renew all locking plates and tab washers, check high and low speed alignments, report
- in-situ remote visual inspections (borescope/videoscope) - remove gearcase inspection covers, inspect general appearance of components and any signs of rust; inspect gear teeth using borescope/videoscope; check auxiliary drives; report.

Equipment experience includes:

- Allen
- Amarillo
- David Brown
- Flender
- Hansen
- Milwaukee
- Randolph
- Rigid
- Sew
- Sumitomo



(Top) Repaired circulating cooling water pump epicyclic gearbox ready to be placed in casing.

(Centre) Gear components available for assembly.

(Bottom) Dynamic balancing of gearbox components.

Meeting the needs of customers worldwide



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