

3 MW Gearbox Test Bench Example setup for wind turbine gearbox



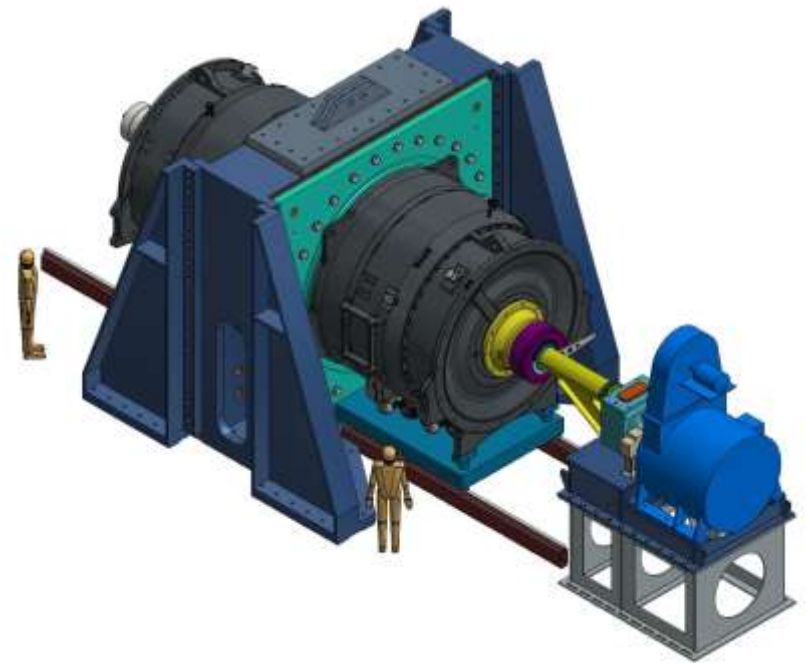
1. 3000 KW motor and generator
2. Control cabinets
3. Intermediate or test gearbox
4. Clamping plate
5. Construction units

6. Cardan shaft, clutch, shrink discs
7. Mounting console
8. Oil installation
9. Recooling system

Wind Turbine Gearbox Test Bench

Scope of contract:

- Back-to-back test bench
- Motor and power converter
- Mechanical and hydraulic strain
- Measuring technology
- Automation
- Combined oil, filtration and cooling systems
- Tools



Denison Pump Test Bench T6C

Scope of contract:

- Mechanical modifications
- Converter
- Remote controlled proportional valves
- Measuring technology
- Automation
- Automatic sampling
- Automatic water contamination



Denison Pump Test Bench T6C Rhein-Chemie, Mannheim

Development test bench for additive and hydraulic oils

Scope of contract:

- Complete solution
- Motor and converter
- Measuring technology
- Automation
- Automatic water contamination
- Automatic sampling
- Incl. container, air conditioning system and crane



Test Bench for Bearings FAG, Schweinfurt

Development test bench for large-scale bearings

Scope of contract:

- Complete solution
- Motor and converter
- Mechanical under-body
- Measuring technology (incl. acceleration of rolling element)
- Automation
- Triaxial load with hydraulic cylinder
- Hydraulic unit for servo-hydraulics



Hydraulic Test Benches Bosch Rexroth, Krefeld

Development test benches for pumps and hydraulic motors

Scope of contract:

- Complete solution
- 250 kW motor and converter
- Soundproof cabin and oil pan
- Measuring technology
- Automation (24/7 operation)
- Proportional valves for the load or mechanical/hydraulic strain
- Cooling and filter units
- Separate 1000 l tank



1.2 MW Mining Gearbox Test Bench Caterpillar, Lünen

Scope of contract:

- Back-to-back test bench
- Motors and converter
- Mechanical adaption
- Measuring technology
- Automation
- Cooling unit

