

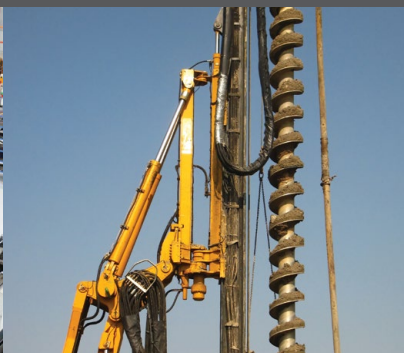
Earthmoving Cylinder Repair Experts



Berendsen Fluid Power proudly specialises in the service and repair of cylinders used in earthmoving equipment including bull dozers, dump trucks, excavators, loaders and graders.

We have over 20 years' mining industry experience and have extensive knowledge of OEM specifications across CAT, Hitachi, Leibherr and Komatsu. We repair a wide range of cylinders including:

- ✓ steering cylinders
- ✓ hoist cylinders
- ✓ suspension cylinders
- ✓ boom cylinders
- ✓ stick cylinders
- ✓ clam cylinders
- ✓ bucket lift cylinders
- ✓ tilt cylinders



Flexible Service

We recognise the unpredictable nature of the mining industry and provide a variety of service types to suit the individual needs of our customers.

- ✓ Workshop repairs in our state of the art workshops
- ✓ Scheduled maintenance programs in-house or on-site
- ✓ Service exchange programs
- ✓ Component rebuilds

Our Capabilities and Equipment

Our branches have a range of modern lifting, stripping, machining, testing and assembly equipment:

LIFTING

- Lifting capacity up to 10T

STRIPPING

- Custom built stripping benches for cylinders up to 9m long and a torque capacity up to 90,000Nm
- Vertical and horizontal stripping machines capable of tensioning up to 90,000Nm

MACHINING

- Milling machines with up to 1800mm X axis travel, 600mm Y axis travel, 750mm Z axis travel and 120 tool magazine capacity and 1300mm x 660mm table size
- CNC lathes with a 670mm swing capacity and a 2200mm effective turning length
- Horizontal borers with a 1.5m x 1.5m table area and a 2m longitudinal, cross and vertical travel
- Honing machines for bores up to 650mm and barrel lengths up to 16m
- Deep hole drilling machines capable of a 32mm diameter and 1200mm depth
- Several mineral oil test rigs with a maximum operating pressure of 10,000psi

ASSEMBLY

- Purpose built locking/unlocking bench with a torque capacity up to 90,000Nm
- Dedicated fabrication workshops
- Custom built assembly benches

TESTING

- In-house test facilities ranging from basic pressure testing rigs, to advanced electronic test equipment enable break away pressure testing, piston bypass testing, leakage testing and stroke and retract testing.



Our Approach to a Standard Service

A fully qualified Turner and Fitter completes the following steps as part of our standard cylinder service:

- Disassembly
- Rod inspection
- Rod clevis bore inspection
- Piston and gland inspection
- Thread inspection
- Seal inspection
- Valve inspection
- Barrel inspection
- Reassembly
- Testing
- Painting