

Bundaberg Branch

Providing fully integrated hydraulic service and supply solutions to Bundaberg's industrial, mining, transport, agriculture and manufacturing industries for over 20 years

Berendsen's Bundaberg's branch is proud to specialise in hydraulic solutions across fixed plant and mobile equipment. We deal with customers as far north as Rockhampton and Gladstone, down to Gympie and as far west Springsure.

Our capabilities include:

- ✓ Cylinder, pump and motor repair
- ✓ On-site preventative maintenance
- ✓ Partnerships with all major hydraulic brands
- ✓ In-house engineering team and manufacturing facility





IN-HOUSE REPAIRS

Berendsen Bundaberg has a team of qualified fitters who specialise in the repair of cylinders, pumps and motors across the industrial, mining, transport, agriculture and manufacturing industries.

Our 700m² Bundaberg workshop has been designed to ensure we repair cylinders, pumps and motors effectively and efficiently.

Cylinder Repair

We repair all brands and types of cylinders including:

Major brands -

- ✓ Caterpillar
- ✓ Komatsu
- ✓ Hitachi
- ✓ Liebherr
- ✓ Bucyrus

Major types -

- ✓ Suspension Strut Cylinders
- ✓ Steering Cylinders
- ✓ Hoist Cylinders
- ✓ Pull Down Cylinders
- ✓ Jacking Cylinders



Our cylinder repair process:

Cylinder disassembly

Our modern and fully integrated nut torque and cylinder stripping bench has a torque capability of over 60KN and push - pull force of 6 tonne. It also has a capability of accommodating 500mm AF flat-flat nuts and 10m stroke cylinders.

Cylinder inspection

All cylinder elements including the cylinder's rod, bore, piston, gland, seal housing, rod clevis and/or piston thread and all seals and valves are cleaned and inspected.

Machining of cylinder parts

Machining of cylinder components is undertaken in-house using our dedicated machining equipment:

- *Honing:* Our dedicated honer reclaims the inside of the bore to OEM specifications. Our honing machine is capable of honing cylinders up to 350mm in diameter and 3800mm in length.
- *Milling:* Our milling machine enables us to reclaim parts in-house, including clevises and clevis eyes. It has a table size of 700mm x 300mm x 300mm.
- *Turning:* Our lathes enables us to custom manufacture parts including barrels, rods and pistons and are capable of:
 - Up to 450mm swing and 3000mm between centres
 - Up to 300mm swing and 1500mm between centres

Cylinder welding

Our welding facility is capable of performing high quality welding repairs, in line with appropriate weld procedures.

Cylinder testing

Berendsen Bundaberg conducts leakage test to ensure that there are no rod or piston leaks in our resealed hydraulic cylinders. It is built to manage cylinders with fluids in excess of 225 litres.

CALL 1800 704 205

✉ info@berendsen.com.au



Pump and Motor Repair

We repair all brands and types of pumps and motors including:

Major brands -

✓ Eaton ✓ Danfoss ✓ Parker ✓ Rexroth
✓ Kawasaki ✓ Denison ✓ Poclain ✓ Sunstrand

Major types -

✓ Piston – open and closed loop ✓ Vane ✓ Gear

Our pump & motor repair process:

Basic failure analysis and scope of works

First we disassemble the pump or motor and conduct a hotwash to clean all parts. This is followed by a complete inspection of the unit against OEM specifications. A scope of works and failure diagnosis is then provided along with a quote and lead time.

Manufacturing & sourcing parts

In order to keep your costs down, we aim to rework components wherever possible.

Should new parts be required, we have a large network of local and overseas suppliers to ensure we can source parts for the best possible price. We have strong relationships with major industry leading OEMs including Eaton, Danfoss, Parker, Rexroth and Kawasaki, Denison and Poclain.

Berendsen Bundaberg has a hydraulic test centre with two individual test rigs. The larger of the two rigs provides the branch with modern machinery dedicated to testing pumps and motors. The rig has a unique manifold design that allows us to test mains, boost and pilot pressures and flows in one simple step, ensuring faster and more economical testing. The test rig then supplies digital readings using pressure transducers, ensuring high accuracy in the results.

Features of our largest test rig include:

- Up to 75kw power
- Test open and closed loop systems under varying speeds from 10 to 2,600rpm
- 345 bar max pressure
- 480 l/min maximum flow

ON-SITE MAINTENANCE

Field Service

Berendsen Bundaberg offer 24 hour onsite service and maintenance 7 days a week. We have a team of experienced and qualified service technicians with fully equipped service vehicles on standby to provide all types of onsite hydraulic repairs and service. Our field service vans are fitted with all the tools, spare and equipment necessary for troubleshooting and diagnostics, on-site emergency repairs, component extractions, installations and commissioning, system flushing and dehydration, oil change-out and hose pipe assembly and installation.

Focus on Preventative Maintenance

Our branch places a strong focus on preventative maintenance and risk management – identifying and rectifying problems before they result in a catastrophic failure.

We develop suitable maintenance plans for our customers which can vary by frequency or the level of maintenance. Our on-site maintenance service is also fully supported by our workshop in Bundaberg.

Oil Cleanliness

Contaminated oil can lead to around 80% of hydraulic system failures. Our service technicians conduct tests to get an on-the-spot understanding of the cleanliness of the oil relative to ISO 4406:1999 when completing on-site maintenance.

Depending on the results of the oil testing, the oil may be disposed of and replaced or where possible cleaned via our portable filtration unit.

HOSE SERVICE

Berendsen Bundaberg offers thorough hydraulic hose repair & maintenance services to minimise the hose failures and improve equipment productivity and safety.

Unlike hose van operators, Berendsen Bundaberg's technicians are not only trained to competently assemble and install hoses, but are also qualified hydraulic field service technicians. Not only can we replace your damaged hose, we can also identify and solve the underlying issues in your system and keep your equipment operating at peak performance levels. It is this holistic offering that sets Berendsen's hose service apart from the rest.

As an authorised distributor of Eaton Aeroquip Fluid Conveyance Products, our customers have access to the full spectrum of genuine, high quality Aeroquip fluid conveyance products.

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PRODUCT SUPPLY

Berendsen Fluid Power Bundaberg has long-standing relationships with some of the world's most recognisable brands. We stock and supply a comprehensive range of premium brands at competitive prices, and are always willing to go the extra mile to satisfy the immediate needs of our customers. Some of our leading suppliers which continue to help cement our brand in the marketplace are:



CUSTOM DESIGN AND MANUFACTURE

As part of our nationwide branch network, Berendsen Bundaberg has access to a range of resources including a specialist in-house Engineering and Design team and an ISO 9001 certified manufacturing facility.

With the support of a national Engineering and Design team, Berendsen Bundaberg is able to offer specialised assistance including:

- ✓ Application engineering and re-engineering for optimum performance
- ✓ Installation and commissioning of complete systems
- ✓ Project management of small to large hydraulic projects
- ✓ Process improvement
- ✓ Reference and resource compilation
- ✓ Quality process maintenance
- ✓ Product research and development

Located in Newcastle, NSW, our 3200m² manufacturing workshop is fully equipped with the latest technology and machinery to handle the most complex hydraulic system design developments. From hydraulic products such as cylinders or manifolds, to complete system solutions such as power units or filtration systems, our manufacturing workshop is equipped to handle any hydraulic project no matter how big or small.

Cylinder Manufacture

Our exposure to a wide variety of industries has allowed us to develop our own comprehensive range of cylinders including Medium Duty Roundline Cylinders, Heavy Duty Roundline Cylinders, AM1 Mill Cylinders and Telescopic Cylinders. In addition to this our team is also able to design and manufacture custom cylinders to meet

individual application and dimensional requirements. We are able to manufacture from 25mm to 600mm diameter bore, up to 12,000mm in length and stroke sizes up to 8000mm.

