



The most common form of hydraulic issue is having contaminants in your hydraulic fluid. Given that Wood Chippers operate in a particle filled environment, it is essential that their hydraulic components are checked and serviced regularly.

For optimal machinery performance, hydraulic components need to be repaired and maintained by hydraulic specialists. Pacific Hydraulics has over 25 years' experience applying their specialist hydraulic skills across all major industries.

Pacific Hydraulics stocks Danfoss hydraulic products, amongst others, suitable for the replacement of parts on most common wood chippers. Furthermore, Pacific Hydraulics is capable of performing repair and servicing jobs on the hydraulic components of most brands of wood chippers, including Vermeer, Bandit, Morebark, Hansa, Terex and TCM.

ABOUT PACIFIC HYDRAULICS



Since 1990, Pacific Hydraulics has been providing the highest quality fluid power products, service and repairs to all major Australian industries.

Australian owned and operated, Pacific Hydraulics confidently provide hydraulic services and can supply components from industry-leading brands such as Danfoss, Bosch Rexroth, Hydac, Ryco, SPX and many more.

With long-standing experience in Australia's fluid power industry, Pacific Hydraulics are able to repair and service all hydraulic components, as well as supply everything from spare parts to brand new hydraulic systems.

When time and quality matter, you can trust the experience of Pacific Hydraulics to keep you moving.

HOW WE CAN HELP

- National branch network including Danfoss accredited workshops in Brisbane, Sydney and Perth
- No.1 distributor of Danfoss quality products in Australia
- We maintain considerable stock holdings so that critical parts and spares can be shipped immediately
- Where possible, we come to you. Otherwise, you can send parts to one of our five fully-equipped service centres for fast and professional repairs
- You have access to Pacific Hydraulics technical staff, for help when on a remote site outside of our mobile service area
- We provide detailed documentation for repairs, critical spare parts and servicing schedules to allow for proper tender costings
- We offer competitive pricing across all major brands including Danfoss, Char-Lynn, Hydraforce, Bosch Rexroth, Hydac Filtration, Power Team and Reggiana Riduttori geared products.
- Our staff! They are experts in their field and can assist with all major products, even those not sold by us
- In-house hydraulic engineering and design service

ESSENTIAL PRODUCTS & SERVICES LIST

- Danfoss H1P and 90 Series hydrostatic pumps and motors.
- Danfoss PVG hydraulic, load-sensing proportional valves
- Danfoss LSHT motors
- Spare parts from Danfoss
- Maintenance program development
- Modern workshops with clean room, and pump test rigs with data logging capabilities
- Mobile service technicians with fully equipped service vehicles



IN-HOUSE REPAIRS

- Factory authorised service centres for Danfoss products
- Fully equipped engineering and hydraulic workshops with full testing facilities at each branch
- Machine shop capabilities, cylinder barrel honing and hydraulically operated cylinder stripping benches, including the unique ratchet rotary head technology
- State of the art open and closed loop test rigs with power capabilities of up to 225kW
- Fully computer generated, printed reports available on request
- Testing facilities for high pressure jacks up to 690bar



DESIGN AND ASSEMBLY OF INTEGRATED HYDRAULIC SYSTEMS AND CONTROLS

- Design and assembly of fully integrated, hydraulic systems and controls
- Experienced staff that are highly skilled in the design, calculation, product selection and commissioning of complex hydraulic systems and controls
- Certified professional engineers
- Design optimum solutions to each application





Head Office

31 Powers Road, Seven Hills NSW 2147

P 02 9830 2377

F 02 9838 5815

Brisbane – Brendale

P 07 3881 0202

F 07 3881 0204

Brisbane – Richlands

P 07 3715 7399

F 07 3715 7977

Melbourne

P 1800 644 511

F 02 9624 4783

Perth

P 08 6461 0300

F 08 9353 5301

Sydney

P 02 9881 0061

F 02 9624 4783

Toowoomba

P 07 4634 2477

F 07 4634 4812

1800 644 511

www.pacifichydraulics.com.au | info@pacific-hyd.com.au

ABN 79 011 053 704

Unless otherwise agreed with Pacific Hydraulics in writing, goods and services purchased from Pacific Hydraulics are purchased subject to Pacific Hydraulics' Terms and Conditions. The Terms and Conditions can be found on Pacific Hydraulics' website at www.pacifichydraulics.com.au or can be requested by contacting Pacific Hydraulics.

Formulas

$$\text{Force (N)} = \frac{\text{Pressure (Bar)} \times \text{Area (mm}^2\text{)}}{10}$$

$$\text{Torque (Nm)} = \frac{\text{Pressure (Bar)} \times \text{Displacement (cc/rev)}}{20\pi}$$

$$\text{Flow (LPM)} = \frac{\text{Fluid Velocity (m/sec)} \times \text{Area (mm}^2\text{)} \times 60}{1,000}$$

$$\text{Power (kW)} = \frac{\text{Flow (LPM)} \times \text{Pressure (Bar)}}{600}$$

$$\text{Power (kW)} = \frac{2\pi \times \text{Torque (Nm)} \times \text{Speed (RPM)}}{60,000}$$

Conversions

1 PSI = 51.7mm Hg (Mercury)

1 ATM = 1 Bar = 14.7 PSI

10 Bar = 1 MPa

Product information is subject to change without notice.

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