

PREVENTATIVE MAINTENANCE FOR YOUR HYDRAULIC SYSTEM

STATEWIDE
FLUID POWER
SERVICES

Statewide Fluid Power Pty Ltd
A.C.N. 006 407 281
Trading As

DON'T LET THIS HAPPEN
TO YOUR EQUIPMENT!

Statewide Fluid Power Services have designed a cost effective preventative maintenance program for your hydraulic system that not only services your equipment, but monitors and records the current internal condition so that reliability can be assured.



Damaged Nylock Nut caused
two weeks avoidable
downtime and \$56,000 to repair.



Contaminated Oil caused
this damaged valve plate.
Three days avoidable
downtime & \$8,000 to repair.



Our simple **10 point procedure** can be applied to any Hydraulic System, Industrial, Mobile, Earthmoving or Agricultural Equipment.

- 1 Oil sampling, wear metal & particle count analysis.
- 2 Filtration assessment, change all elements or upgrade as determined by analysis.
- 3 Assessment of oil condition and change, only if required.
- 4 Check & repair all external leaks.
- 5 Check & clean power unit tank and seals.
- 6 Efficiency check on all pumps. (Carried out on site)
- 7 Check and charge all accumulators as required.
- 8 Re-commission system.
- 9 **Operational check.** Check that all functions are operating properly, lifting and load capacities and that operational speeds are correct.
- 10 **Reporting.** A Comprehensive report showing the actual condition of your equipment, a list of work completed and any further recommendations, if required.

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➤ Some systems and closed loop drives found on cranes, winches, materials, handling and personal lifting equipment require further specialised services, as explained over the page.

Authorized Service Agents
or Distributors for:



engineering
Mannesmann
Rexroth



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PUMP & OIL ASSESSMENT

PHONE: 9464 4088

Our program differs from conventional servicing because we carry out condition monitoring of pumps and hydraulic fluid, we then compare the results with known standards.

We carry out two standard oil tests:

- Firstly the particle count results can be compared with component manufactures published cleanliness Requirements.
- Secondly the results of wear metal analysis show what sort of contaminants are present in the fluid, thus identifying potentially worn components in the system.

The results of pump efficiency tests highlight internal wear if it is present. Poor efficiency test results combined with a poor oil analysis result will conclude the need for further repairs or pump replacement. Pumps can be repaired or replaced prior to any catastrophic failure which would almost certainly damage valves and actuators in a system. On the contrary, good oil analysis and pump efficiency results will conclude that your pumps are in good reliable working order. This will save the cost of needlessly replacing good oil, thus keeping the overall cost of servicing your system to an absolute minimum.

The pump condition is determined by plotting results of the efficiency test on a graph along with expected results of a pump in good condition and comparing the two.

Note:

- In addition to our standard servicing program some closed loop hydrostatic drives found on Winches, Cranes and Earthmoving equipment require further testing and periodical replacement of seals and bearings.
- Cranes, personal lifting equipment and some other specific machinery require some additional testing to comply with industry codes and statutory authority requirements. You should talk to us regarding these requirements and whether or not they apply to your Equipment.

Other Services offered by **Statewide Fluid Power Services**

Trouble shooting Hydraulic, Pneumatic & Electrical (on site).

Cylinder Repairs & New Cylinders

Supply of Pumps and Valves

Hydraulic oil

Design and manufacture of new systems

Modifications and or upgrades

Overhaul of Hydraulic systems and power units

Installations and Hoses

Upgrading of machinery controls to comply with current safety requirements
(Automating process and materials handling machinery)

AUTHORISED DISTRIBUTORS & OR SERVICE AGENTS FOR:

Mannesman Rexroth Service Agent

Halldex, Barnes AC/DC Power Units

PTE Hydraulic Cylinders

Ryco Hose and Fittings

Sun Cartridge Valves

Pearson Sheetmetal Equipment Service Agents

Supply of most other brands of Hydraulic Equipment (Hydac, Vickers, Parker, Commercial Hydraulics, UCC, Stauff, Permio, Danfoss, Staffa, Uchida, Calzoni).