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Hydraulics and Hydraulic Repairs & Services in Quebec, Canada and US Areas. by [Edmund Allen](#)

Article published on June 16th 2012 | [Business](#)

Hydraulics is a fantastic engineering phenomenon which enables so much in life that we all take for granted. Hydraulics is simply put as that ability to harness the behavior of liquids to enable certain mechanical actions to take place.

For example safety while driving your automobile depends critically on the performance of the hydraulic systems in your brakes and steering. Imagine the horror of driving at 60mph and having to slow down but when your foot pushes on the brake pedal it meets no resistance and hits the floor. (In this event you should pull the hand brake as hard as you can as that is usually mechanical and change your gears down hoping you can stop in time or at least slow down so you can avoid the obstacle)

But fortunately hydraulics are usually reliable and a marvel. Brakes in cars work effectively because when the master cylinder piston is depressed by your foot on the pedal, four equal columns of liquid exert exactly the same force on all four of the brakes. If mechanical means, such as cables were to be used the same equalization would be extremely difficult to achieve and need constant adjustment as cables stretch or levers wear. The important thing about fluids is that they do not compress (provided all the gasses are removed) so as long as the integrity is maintained they work identically time and time again.

And so it is in industry. Many machines have hydraulic motors & parts in their running and control gear. Or the actual transmission of driving power by the use of pressurized liquids. Hydraulic servos assist you driving again in assistance with power steering and so on.

But like all things mechanical hydraulic parts can rupture, the seals deteriorate and the various pumps in the system can fail or cease to function optimally. Earth moving equipment for example have large hydraulic pistons on the various arms.

And thus it is that hydraulics, while a fairly low maintenance budget item, nevertheless should be serviced.

In most automobile manuals as part of the specified services one will find checking hydraulics as an item. Obviously it is the same with hydraulic items on engineering or production machinery.

Continental Hydraulics is the ultimate source for Hydraulic Valve Repair, Hydraulic Pump and Motor Rebuilding, Kit Rebuilding, and Regrinding & Co-Lapping. Our products are 100% made in Quebec, Canada and KAIZEN certified. We are a member of STIQ. We repair many types of Vickers?, Rexroth?, Sundstrand?, Eaton?, Caterpillar?, Denison? pumps and motors.

This ability to repair and refurbish hydraulic parts and pumps is guaranteed as well as giving confidence That the machining and parts are all original equipment or engineered in house by Canadian firms. Servicing is undertaken throughout Quebec and further afield within Canada and The United States.

Items sent in for repair are done as speedily as possible and as economically as possible while yet giving the assurance that the standards of safety and tolerances are maintained. So if it is Hydraulic valve repairs required or replacement of oth.

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Maintenance of a [Hydraulic motors & parts](#) as well as a [Hydraulic Valve Repair](#) is provided in Quebec for Canada and the US.

Article Keywords:

Hydraulic motors & parts, Hydraulic Valve Repair, Hydraulic Pump and Motor Rebuilding, Kit Rebuilding, Regrinding & Co-Lapping

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