

HITACHI EXCAVATOR AFTERMARKET, SERVICE EXCHANGE RELIEF & MAKE UP VALVES.



SERVICE EXCHANGE VALVES

Hydraulic Technical Solutions (HTS) Service Exchange relief valve program focuses the health on the excavators hydraulic system.

Ensuring hydraulic tune ups are carried out on excavators at regular scheduled time prolongs the life of all hydraulic components. Some of the visual symptoms of hydraulic valve tunes needing to be carried out are front attachment drifting due to either blown O-rings in relief valves and makeup valves or pressure setting has changed. This will also cause the hydraulic oil temperature to increase due to the bypassing of oil through valves and longer dig cycles due to demand oil flow being lost.

SOLUTION ?

HTS recommends 4000Hr service exchange kits for your machine. As an aftermarket valve supplier we offer the best in reconditioning hydraulic valves.

If there is a component in the valve that bypasses under pressure it will be changed out for new! Along with O-rings rated to 150DegC and re-designed make up seal you can ensure you are getting the very best of quality.

Each valve is individually set at the specified pressure on a custom made hydraulic testing bench eliminating high pressure testing on site.

**New replacement valves can be
purchased and are currently in stock.**

HTS has also developed control valve cleaning tools to remove small imperfections out of the sealing surfaces of the control valve when removed from the machine this only rotated 3 times on each sealing surface ensuring longer life out of the components.



High hydraulic oil temperature can cause premature deterioration of seals throughout the machine including most importantly hydraulic cylinders. Some other more component critical factors to tune-ups are the relief valves being equal, if one relief valve in the circuit is going off at a lower pressure oil at delivery rate from all pumps in the circuit will flow over the valve and the control valve return ports eventually causing holes to appear externally of the control valve as shown in the valves in the pictures to the right.

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