

# BC60 LS Front loader valve for variable pump system.

Port relief valves have been preset at 180 bar. If the system pressure at the tractor is higher than 175 bar, it is necessary to increase their pressure setting considerably higher than the pump pressure setting.

**Example:** If the pump setting is 200 bar, the port relief valves has to be adjusted to approx. 220 bar (40 bar higher than the factory setting). This is done by turning the adjustment screws by ½ revolution clockwise. This will increase the opening pressure by 40 bar.

The most important is the port relief valve for the boom lift function, because the lower setting of the port relief valve, than the pump pressure setting, will limit the lifting force and cause leaking of oil from cylinder to tank through port relief valve, until the closing pressure has been reached. Also a lot of heat is created by pressing high pressure oil to the tank through the open pressure relief valve.

If it is necessary to limit the maximum cylinder force by a low pressure setting of the port relief valve, it is needed to avoid a long term operation against the cylinder ends, because of created heat.