

## Inspection and maintenance of piston seals



According to the analysis of protective components used in agricultural machinery, the leakage control of hydraulic cylinder is mainly piston seals. From the point of view of inspection, specific inspections should be carried out for different types. For example, in the inspection of combined seals, it is necessary to inspect the wear of the sealing surface, evaluate it according to the wear amount, and then decide whether it needs to be replaced; for example, for lip-shaped seals, it is necessary to make a specific analysis of the scars and wear on the lip edge, if there are scars, or if the wear is more serious, It should be replaced. On the other hand, the piston rod and piston also need to be inspected. The main object of inspection is the static seal ring. The inspection index is based on the degree of extrusion and the extrusion injury. Because the piston rod is composed of seals and supporting rings, it is necessary to check the wear and tear between them to determine the sealability. Specifically, we should guide them. To check the defects, if there are defects, it is necessary to carry out the replacement under the condition of structural form to meet the requirements of material and structure. However, in the replacement, the control of oil film thickness should be paid attention to, so as to make the sealing parts and sealing surfaces have a better lubrication, while achieving the control of leakage.



