

Operating Instructions for Axial Piston Hydraulic Motor

1. Take care that the motor is operated with hydraulic oil only, having a viscosity of 23 – 24 cm²/sec. (sSt) at 50° C.
2. When assembling the piping, pay attention to the greatest possible cleanliness, and clean the oil container before filling.
3. Make sure that the hydraulic oil is filtered before being fed into the container.
4. Use cutting ring couplings only for assembly.
5. Remove the shipping plug from the motor casing and install a leak-oil pipe to the oil container.
6. The discharge of leak oil should be pressureless. Make sure the outlet is always open.
7. With some motor types an initial pressure should be provided in the return pipe between hydraulic motor and oil container – please refer to the individual Tables of dimensions.
8. Install a pressure relief valve in the pressure line connecting pump and hydraulic motor and set same to the maximum working pressure of the motor.
9. Use only valve spools with negative overlap for plants with valve-spool operated motor.
10. In case of large gyrating loads equip the line between valve spool and motor with pressure relief valves to protect the equipment against excessive brake pressure.
11. Maximum operating temperatur: 70° C.
12. Provide each equipment with a magnetic filter.
Grade of filtration: 40 µ.
13. Vent the equipment before starting operation. If no venting screw is provided loosen the screw cap at the first bolted joint after the pump to effect the venting.
14. Make sure that the pressure oil is not frothy.

Our guarentee does not cover defects by the failure to observe the above instructions.

MW HYDRAULIK GMBH