

Important technical information regarding installation and trouble-free operation of our gerotor and gear pumps in our lubricating oil supply systems.

We have been delivering since several year thousands of pumps in the market – no problems with guaranty or leakage.

It seems to be strange that it changed punctually in the last years.

Because we had again and again leaky seal rings on the pump bodies, we analyzed the damages cases.

The following problem occurred:

Our customers mounted reinforcingly in the last years safety magnetic valves in pipes of lubricating oil systems.

The simultaneous closing of the solenoid valves together with the shutdown of the pump causes extreme short-term pressure peaks, due to the running of the pump in the pump housing.

These pressure peaks occur faster than the integrated mechanical overflow valve can react. Our lubricating oil pumps are positive displacement pumps - they transfer on and damage thus rapidly the seal ring.

We recommend the following switching procedure for our pumps in conjunction with solenoid valves (to avoid damage of the pump oil seals):

1. Start the pump

- first open the solenoid valve
- 5-10 seconds later -> Start the pump

2. Switch off the pump

- first switch off the pump
- 5-10 seconds later -> Close the solenoid valves

Switching the equipment in this order avoids pressure peaks and eliminates damage of the pump seal rings.

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