

Check pump and accumulator pressure

Does this solve the problem?

- 1] Yes
- 2] No
- 3] I don't know

- **Explanation**

This function was implemented to allow the turbine to operate through intermittent 323 faults. When alarm 324 is active, the turbine changes stop pressure from 230 bar (normal) to 225 bar (reduced stop pressure). The turbine will attempt to revert to normal stop pressure once a day, but if it fails to charge the pitch system to normal pressure, the turbine remains in reduced stop pressure.

If the turbine has only started faulting after a technician visit, check that the hub needle valves have not been left open or over tightened to the point of deforming or stripping the threads.

If alarm 324 is active but alarm 323 is not, then the pump is functioning but falls 5 bar short of achieving system pressure. The cause may be a pressure setting on the pump, a very small leak, or a failure of multiple accumulators.

| Relevant documentation | |
|-----------------------------------|---------------------------|
| Description | DMS No. |
| SWI Pitch Pump Pressure Setting | 0006-8149 |
| Charging of Nitrogen Accumulators | 941918 |

If additional troubleshooting is required for this alarm, use the VGA guide for alarm 323 'Pump time pitch too long'.

| Needle valve part number for PARKER System: (POS: 447, 222) | |
|---|--------------------------|
| Description | Item No. |
| KNOB FOR NEEDLE VALVE | 60112623 |

| | |
|-----------------------|--------------------------|
| VALVE NEEDLE NVH-2201 | 60104032 |
|-----------------------|--------------------------|

| Needle valve part number for REXROTH System -TYPE-1: (POS: 447, 222) | |
|--|--------------------------|
| THROTTLE VALVE: NFBC-KCN A3031 | 60096478 |
| HANDLE FOR NFBC-KCN A30316JG01 | 60109005 |

Check and adjust the Motor- Pump coupling

Does this solve the problem?

- 1] Yes
- 2] No
- 3] I don't know

- **Explanation**

Check the Pitch Main pump-Motor (M01) coupling for any dislocation from its original position as shown below;

Coupling dislocated view:



Correct assembly view:



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Apply Loctite 243 while assemble the grub screw as shown below;





If coupling found damaged, replace the same with new one.

| Relevant spare parts (Rexroth hydraulics) | |
|---|--------------------------|
| Description | Item No. |
| COUPLING COMPLETE AB33-22/KD 4 | 60098814 |