

Instruction: Changing of spool seals - Valve Pv91M

Equipment needed to change the spool seals is water resistant grease type Shell Cassida RLS2, a 5 mm hexagon wrench, a 17 mm socket wrench and a spring holder.



Spring holder, part no 986 8569, can be ordered from HIAB



1. Dismount the cover on the spring side of the spool.



2. Press on the lever link to push the spool into it's end position. Then mount the spring holder over the centering spring.



3. Use a 17mm socket wrench to loosen the spring bolt.



4. Remove the lever link and dismount the console, then carefully pull the spool out from the valve body



5. Do **NOT** attempt to mount the seal from the lever side of of the spool as the glide ring will be severely damaged when it passes all the sharp edges on the spool.



6. Unscrew the spring bolt and separate the spring package from the spool.



7. Dispose the old seals and o-rings.



8. Inspect the spool and make sure that the surface is not affected by any corrosion. A new spool is produced with a tolerance of 0,001mm and the smooth surface is a basic condition for the function of the seals.



9. Mount a new seal on the spring side of the spool.



10. Re-mount the spring package and tighten the spring bolt by hand.



11. Place the new o-rings in the cavity on both sides of the Pv91M valve.



12. Place grease on the spring package and around the spool on both sides of the seal



13. Gently push the spool into the valve.



14. Push the seal onto the spool end.



15. Place grease around the spool on both sides of the seal and on the console. Then mount the console and the lever link.



16. Tighten the spring bolt to 10-15 Nm with the 17mm socket wrench before taking away the spring holder and mounting the spring cover.