

ROPELLER SAFETY INSTRUCTIONS 3/17

Applies to all Neuform three-bladed variable pitch propellers

Recently, two central thrust bearings have blocked in the hub of three-blade propellers. Apart from the high resetting forces of the Neuform standard blades, there could be other reasons for this:

- Breakage of the push-pull rod by alternating load
- Insufficient grease supply due to unreliable lift pump instead of lever pump
- Too low set bearing air of the two tapered roller bearings

In order to avoid an unsafe condition of the tapered roller bearings, it is recommended to send the central bearing housing with the two pins to Rospeller. There, the two bearings are replaced for new ones and the case will be returned within a few days.

Remove the propeller from the engine and remove the push-pull rod (left-hand thread!)
Remove the stop nut (measure position before) and unscrew the head cover
Unscrew the rod ends from the bearing housing
Pull the bearing housing out of the hub

In addition, the replacement of the bearings is recommended after a further 300 hours.

Below: Dismantling the rod ends

