

Turbo Specific Services

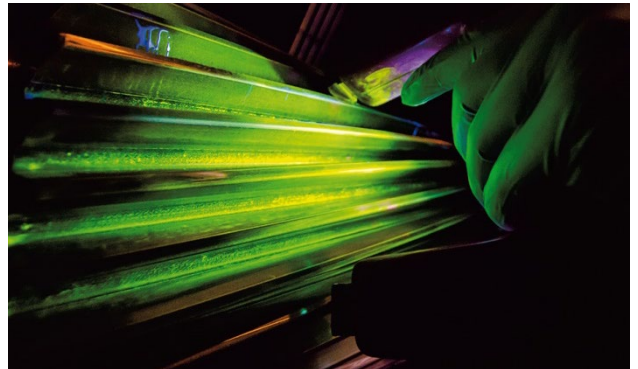
Do you have an Emergency or a Question about your Turbo Gearbox?

Please contact call Tommy Kang +1 281 989 7007 or email tommy.kang@renksystems.com.

NDT – Non Destructive Testing

- Ultrasonic testing (conventional, phased array) for gear wheels, pinions, bearings.
- Magnetic particle testing for gear wheels, pinions.
- Dye penetrant testing for gear wheels²⁾, pinions²⁾, bearings.

²⁾ but uneconomic



Preventive maintenance schedule for Turbo Gears – Ensure longevity of your equipment!

Depending on the number of years of operation or operating hours since commissioning or the last maintenance work, we recommend the following RENK standard inspections:

	Run-in inspection		Minor inspection	Major overhaul
	1'000 oph	8'000 oph	20'000 oph	40'000 oph
Operating years since last inspection	–	1	2–3	5
Working days	1	2	3–4	6–7
Scope of Work	<ul style="list-style-type: none"> ▪ of the bearing load pattern trough the inspection hole ▪ and a record of the operating data. 	<ul style="list-style-type: none"> ▪ of the bearing load pattern trough the inspection hole, ▪ the check and record of the operating data ▪ and a visual check of the gearbox. 	<ul style="list-style-type: none"> ▪ no load tooth pattern check ▪ dismantling ▪ cleaning and re-assembling <p>Exchange individual components based on findings.</p>	<ul style="list-style-type: none"> ▪ dismantling, ▪ cleaning and ▪ re-assembling the gearbox ▪ Visual inspection of the coupling (tooth coupling) ▪ Non-destructive testing <p>If necessary, individual components or worn parts are replaced.</p> <p>+ NDT</p>



Manufacturing lead times for spare parts

Keep in mind that even under the best conditions, it will take several months for spare bearings or rotors to be delivered. Please be aware of the current lead times for turbo sparts.

Product	Lead time
Set of rotors	7 to 11 months
Set of bearings	3 to 6 months
Set of oil scrapers/baffles	3 to 4 months
Set of instrumentation	3 to 6 months
Tooth couplings	6 to 9 months

We recommend holding the following key components in stock:

- 1 spare set of rotors
- 1 spare set of bearings
- 1 spare set of oil scrapers
- 1 spare set of instrumentation