

Instruction Manual

REWITEC® DuraGear® 5/10/20/50/100

Treatment of Industrial Gears and Bearings with Products of the REWITEC® DuraGear® family

- The REWITEC® technology helps to restore worn metal surfaces, provided these have been subjected to normal wear and have not been destroyed by mechanical influences.
- Should oil filters with a mesh-size of $<30\text{ }\mu\text{m}$ be built in, these will have to be switched off, be bridged or replaced by a filter with a mesh-width ≥ 30 during treatment time. Please note the instructions to filter subjects below!
- Following the treatment, an oil change could be carried out the earliest after 100 operating hours.
- There are various sizes of the DuraGear® available (compatible with each other) which are adapted to the gear volume. Thus for an oil volume of 150 ltr. you would use e.g. a DuraGear® 100 (for gear volume till 100 ltr. **plus** a DuraGear® 50 (for gear oil volume till 50 ltr.).
- In case of any questions or suggestions, please contact us under support@rewitec.com or by telephone +49 6441 44 59 90.

Application

1. The gear unit should have reached operating temperature, but should, however, have run at least 30 minutes. The REWITEC® DuraGear® product should have room temperature.
2. Switch off filters of $<30\text{ }\mu\text{m}$, if at all used, bridge or exchange them (see above). *):
 - filter with a mesh width $\geq 30\text{ }\mu\text{m}$ should be exchanged to a new or included filter *)
 - possibly existing fine filters $<30\text{ }\mu\text{m}$ should be switched off for at least 500 operating hours.
3. Shake well the bottle(s) for about 1 minute.
4. Pour half of the bottle's content into the gear unit. Screw on the bottle and shake again for at least 1 minute. Pour in the rest of the content into the gear unit. Subsequently the gear should run for at least 30 minutes.
5. The coating process will be finished after approx. 100 operating hours. The oil filter, if at all used, can now be reactivated resp. be built in again.
6. Retreatment with REWITEC® DuraGear® should take place latest after 2 years or after 10,000 operating hours.

Safety Advice:

Must not be handled by children. Do not drink the liquid. Avoid skin contact. May be slightly irritating to the eyes. Rinse thoroughly with water and consult a doctor in case the irritation does not disappear. Do not pour into or place next to open fire.

Storage Advice:

Products must always be stored upright! Please store at room temperature.

Best before: see lid.

DuraGear® 5:	up to 5 ltr oil volume	DuraGear® 50:	up to 50 ltr oil volume
DuraGear® 10:	up to 10 ltr oil volume	DuraGear® 100:	up to 100 ltr oil volume
DuraGear® 20:	up to 20 ltr oil volume		

The REWITEC® application can temporarily result in an increased silicon (Si) amount of approx. 150 ppm shown in the oil analysis, which is technical safe.

*) Filter notes: The used filter material $\geq 40\text{ }\mu\text{m}$ must be made of wire mesh DRG or paper MIC (Filterability testing by MAHLE from 2014-02-10) o Subject to technical alterations and typographical errors. o QI 17/01