

REWITEC™ DuraGear™ Application Guide

Treatment for industrial gears and bearings

Overview

REWITEC™ DuraGear™ technology helps to repair metal surfaces which have been subjected to normal wear, protects against further wear and optimizes efficiency.

If you have any questions or suggestions, please contact us: energytechnologies@cargill.com

Application instructions

1. The gear unit should have reached operating temperature and be run as normal for at least 30 minutes prior to the treatment. the REWITEC DuraGear bottle(s) should also be at room temperature.
2. Switch off filters of <math><30\mu\text{m}</math>* if used, or bridge or exchange for a filter with a mesh size of $\geq 30\ \mu\text{m}$
3. Shake each bottle well for 1 minute.
4. Pour half of the bottle contents into the gear unit.
5. Screw on the bottle cap and shake again for at least 1 minute.
6. Pour in the remaining bottle contents into the gear unit.
7. After application, the gear box should be run for at least 30 minutes.
8. The repair process will be finished after approximately 100 operating hours.
9. After the 100 operating hours, any oil filter with a mesh size of $<30\ \mu\text{m}$ can now be reinstated.

* Filter material $\geq 30\mu\text{m}$ must be made of wire mesh DRG or paper MIC.

Following the treatment, an oil change should be carried out no earlier than after 100 operating hours.

Please note that application of REWITEC can temporarily result in a slightly increased amount of the following elements in the oils: silicon (Si), aluminium (Al), potassium (K) and iron (Fe).

Product range and treatment volumes

There are various sizes of product, which can be used according to the volume of gear oil to be treated.

| PRODUCT | TREATS |
|--------------|---------------------------|
| DuraGear 5 | 5 litres of gearbox oil |
| DuraGear 10 | 10 litres of gearbox oil |
| DuraGear 20 | 20 litres of gearbox oil |
| DuraGear 50 | 50 litres of gearbox oil |
| DuraGear 100 | 100 litres of gearbox oil |

For an oil volume of 150 litres, use 1x DuraGear® 100 (for 100 litres of gear oil) plus 1 x DuraGear 50 (for 50 litres of gear oil).

Storage

REWITEC DuraGear must always be stored upright and at room temperature.

Environmental and safety

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 flame. Please refer to the MSDS for further information.

If you have further questions do not hesitate to **reach out to your local representative.**