

09 / PREMATURE FAILURE IN BEARINGS

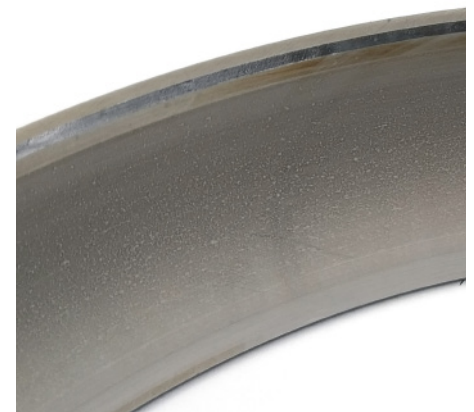
OIL CONTAMINATION DIFFERENTIAL

⊘ CAUSES

- Dirty and contaminated oil seeps into the bearing, generated by the wear and tear of the gears in the differential and in the gearbox.

⚠ CONSEQUENCES

- Small metal particles get into the bearing.
- In the normal operation of the bearing, the particles slowly wear down and deteriorate the tracks and rollers.
- There's an increase in vibration and noise, ending up with bearing failure.



RECOMMENDATION

Using the right amount of lubricant is key to ensuring a long lifespan for the bearing. It's very important that you use the right amount and type of grease for each application.

We recommend reading the manufacturer's instructions to find this out. If you accidentally use the wrong type of grease, with a dropping point not suitable for the requirements of the application, you'll almost definitely end up with a bearing failure.