

LUBRICATION

AN OVERVIEW OF LUBRICATION FUNDAMENTALS

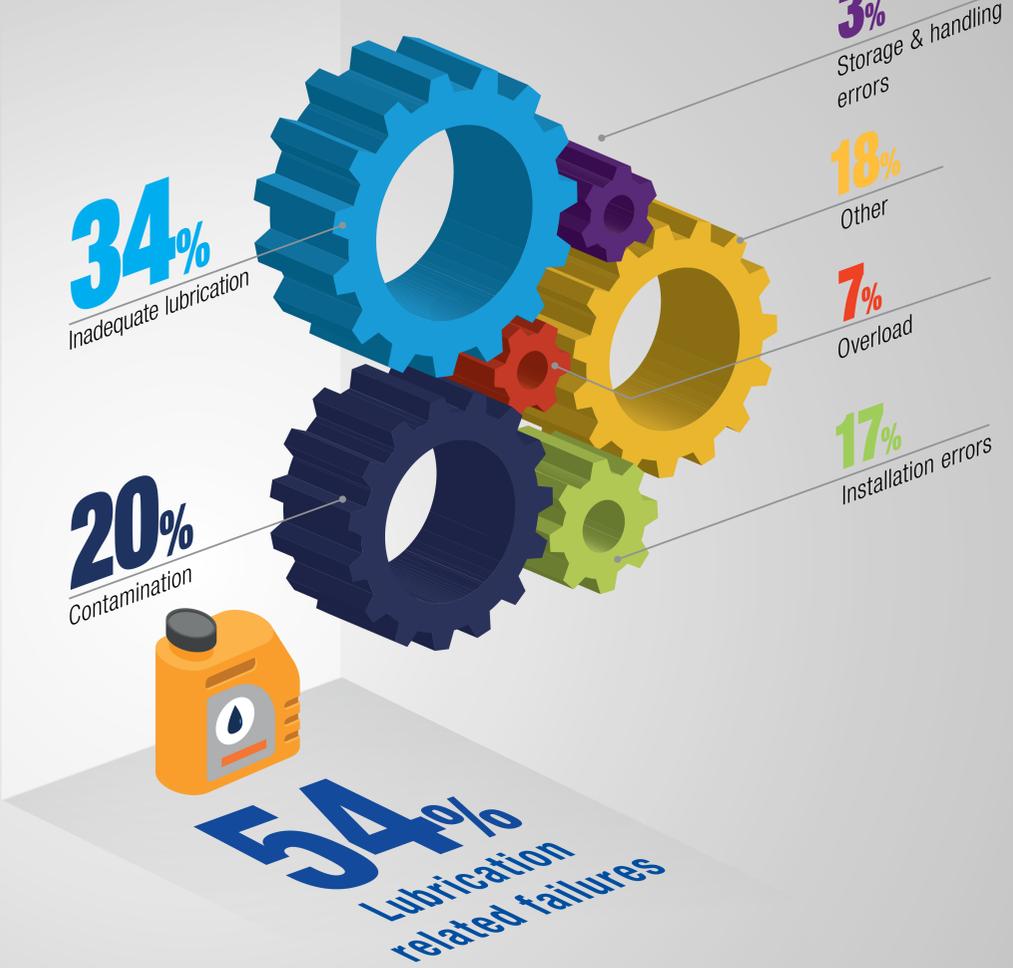
What is lubrication?

Lubrication is the application of lubricants in order to reduce friction and allow moving machine parts to slide smoothly past each other.

Lubricants form a **film** between the metal surfaces of machine parts **to avoid metal-to-metal contact** and to keep the machine running efficiently.



Why bearings fail



Different types of lubrication

MANUAL

VS

AUTOMATIC



- Increased component wear
- Product spoilage
- Increased operating and maintenance costs
- Time consuming
- Dangerous to lubricate while running
- Higher energy usage
- Bearing seal damage

- + Extended equipment life
- + Reduced consumption of lubricant
- + Reduced maintenance costs
- + Reduced machine downtime
- + Safer and healthier working conditions
- + Environmental improvements
- + Suitable for any application