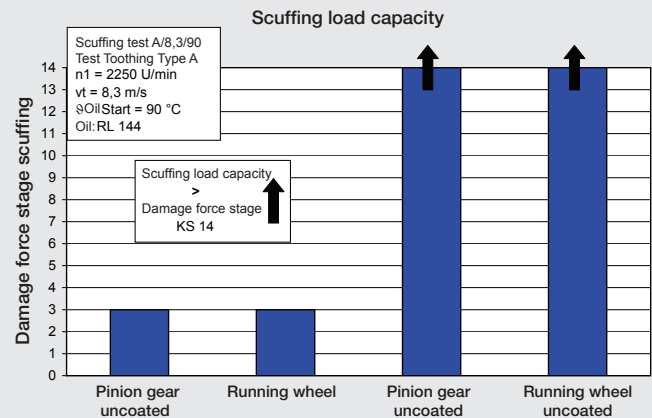


# Gearwheels

## W-C:H for drive systems:

- Any gearwheel components up to 750 mm diameter and 1100 mm length or 500 kg weight
- Highly loaded parts (high contact pressure, low speed)
- Dynamically loaded components



## Coating properties:

- High hardness ( $\sim 1100 \text{ HV}_{0,05}$ ) and excellent ductility
- Multilayer coating structure, coating thickness 2 – 6  $\mu\text{m}$
- Low coefficient of friction (0,15 – 0,20)
- Chemically inert surface

## The essential advantages:

- Coating of one friction partner is sufficient
- Considerable increase of scuffing load capacity
- Wear reduction
- Reduction of micro pitting
- Excellent dry-running properties
- Coating of bearing seats possible
- Minimization of running noise
- Coating temperature  $\leq 200 \text{ }^\circ\text{C}$