

## TRITAN

### The innovative coating technology

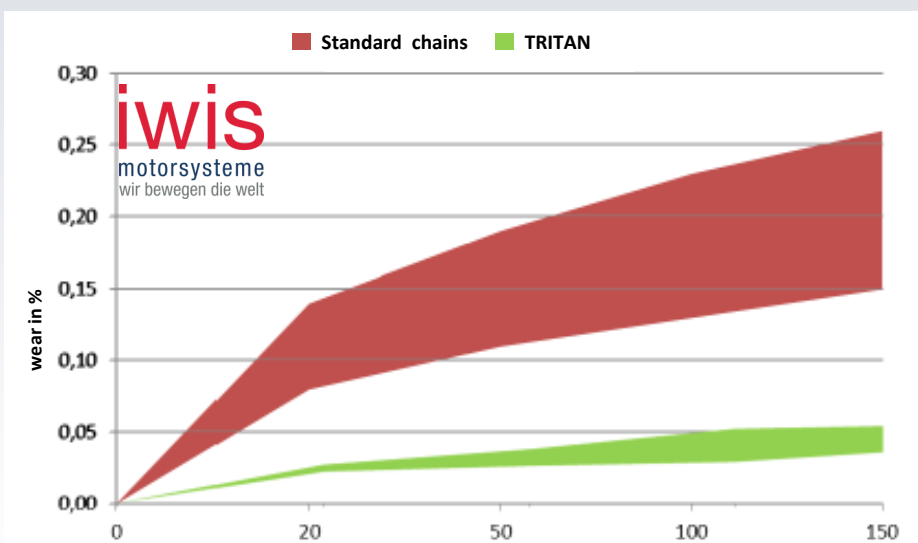
Engines are always exposed to heavy loads, therefore it is not uncommon for the timing chains to be damaged and replaced at an early stage. This often results in worn joints or elongation of the chain. To counteract this, **iwis** has developed a solution with a new type of process:

The TRITAN-coated timing chain pins. The Physical Vapour Deposition (PVD) technology is used to create a layer that resists the aggressive oil-soot fuel mixture and thus contributes to a longer service life of the timing chain.



### The advantages at a glance

- » Exclusively by **iwis** developed TRITAN-coating for the chain pins
- » Longer life of the timing chain
- » Highest wear resistance for all moving parts in modern engines, especially in turbo diesel engines with direct injection
- » Maintenance-free timing chain drives - also for the very demanding boundary conditions of future engines
- » At least 50 % higher wear reduction compared to conventional coatings of timing chain pins
- » Physical Vapor Deposition (PVD) produces coatings that resist aggressive oil-black fuel mixtures



*Standard chains and TRITAN in comparison.*

*The wear on the timing chains of standard chains is significantly higher in the overall comparison than with iwis products.*