

Objective

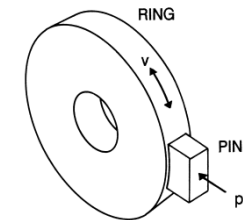
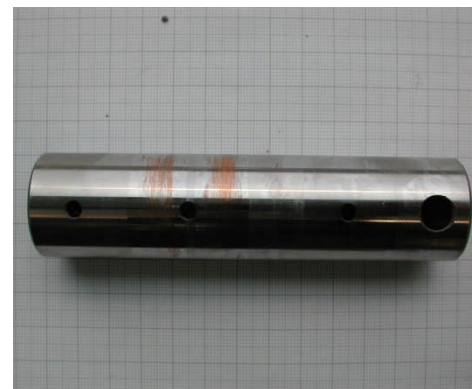
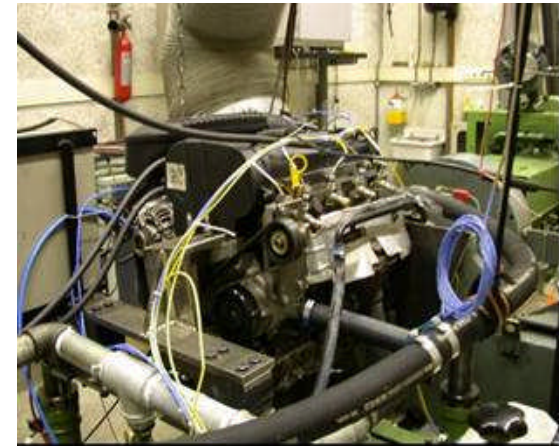
Introduction of Diamond Like Carbon coating to prevent wear of rocker shaft of the engine break of the new MX engine. The knowledge of M2i research results at RU Groningen was combined with TNO expertise.

Research topics

- Development of DLC coating for rocker shaft
- Dedicated tribological and engine tests
- Road tests

Industrial benefits

- Repair cost per engine amounts 1000 Euro
- Wear did not occur anymore after introduction of DLC coating
- Total cost of repair of year production of 40.000 DAF MX trucks can easily exceed 40 Million Euro per year



Bearing of the rocker shaft of DAF engine brake of MX motor

