



Intelligent fleet management for rail vehicles

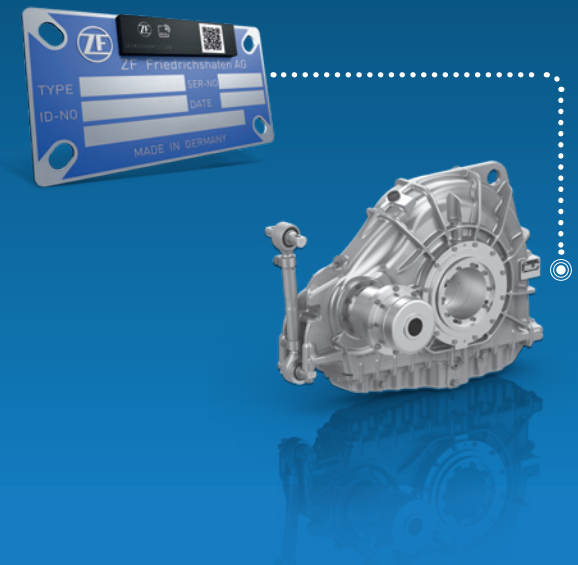
ZF Smart Typeplate

ZF Group
Industrial Technology
Marine & Special Driveline Technology
Ehlersstr. 50
88046 Friedrichshafen / Germany
Phone +49 7541 77-3610
Fax +49 7541 77-903610
rail@zf.com

For more information:



www.zf.com/rail





Digitizing the Maintenance Protocol

The Smart Typeplate is a digital identification element that simplifies maintenance planning for components in rail vehicles, which in turn allows for an efficient fleet management. For this, ZF integrates an RFID chip with a unique ID into the transmission's type plate. Via this chip, users can access data such as type designation, material and id numbers as well as technical data. In addition, users can determine the actual operating hours.

Functions

- Automatic read-out of product data via mobile or stationary terminal units
- Instant access to product and service documentation
- Information is available via the ZF IoT Cloud at any time
- Over-the-air updates of service functions
- IoT-based service

Keep an Eye on Everything. Digitally.

- Seamless, continuous detection of the components when vehicles enter the depot
- Automated, faultless identification, even without direct visual contact
- Online paperless documentation on site
- Service carried out according to precise manuals and checklists
- Processing of open maintenance and repair work
- Simple communication between operator, customer and service

	Standard type plate	Smart Typeplate
Monitoring of operating hours	---	✓
Assignment of components to a specific bogie/vehicle	---	✓
Compatible with non-ZF products	---	✓
Data security	✓	✓