



## ZF's Successful TraXon Transmission Now Features Predictive Maintenance Function

- **Technology company adds new digitalization solution to truck product portfolio**
- **Predictive maintenance adjusts maintenance intervals to the actual frequency of use**
- **Shorter downtimes reduce operating costs for fleet operators**

**Friedrichshafen. The technology company ZF has added a new digital solution to its commercial vehicle portfolio. The TraXon modular transmission system, successfully used by truck manufacturers worldwide, will be equipped with an optional predictive maintenance function starting in 2019. This offers fleet operators the capability to monitor the condition of critical individual components such as transmission oil or clutch disks via the Cloud. Maintenance can thus be planned proactively, which in turn could shorten vehicle downtimes and avoid stranded vehicles. This could reduce costs and extend the transmission's service life at the same time.**

With the new predictive maintenance function, ZF is preparing its successful modular transmission TraXon for the digital future in the commercial vehicle industry. Starting in 2019, vehicle manufacturers and fleet operators can use the Cloud solution to proactively plan vehicle maintenance.

To accomplish this, ZF uses transmission modules that are already pre-installed in the vehicle and transfer information about the transmission's condition to the vehicle OEM's Cloud. The OEM data platform is also connected to the ZF Cloud. The latter has the ability to take the primary data it has received and compile reports on the condition of the transmission components. These can then be read by the OEM or fleet operator and used to proactively plan maintenance.



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"With our new predictive maintenance function, we are expanding our reliable TraXon transmission system with an eye toward networking. Vehicle manufacturers and fleet operators gain real added value, as they can count on both our deep transmission expertise as well as our digital competence when it comes to the diagnostic reports. This further demonstrates that ZF lives up to its aspiration of being a comprehensive supplier of intelligent mechanical systems," said Winfried Gründler, head of truck & van driveline technology, ZF Commercial Vehicle Technology Division.

With its predictive maintenance strategy, ZF focuses on critical individual and wearing components such as transmission oil or clutch disks. The benefits: The constant ability to evaluate data enables relevant components to be replaced or repaired in good time, which helps avoid expensive breakdowns. The transmission's service life can be extended; standstills and downtime can be reduced. In addition, fleet operators can do without complex contingency plans to maintain the supply chain in the event of a breakdown. As a result, the total cost of ownership can be significantly reduced.

**Group synergies pave the way to the future**

During the development of the new TraXon function, ZF used experience gained in its Industrial Technology Division, where the company already offers predictive maintenance for wind turbine gearboxes. The company also has an eye to the future of road transportation: If autonomous driving prevails in the commercial vehicle industry in the long run, predictive maintenance will be important to enable smooth logistic processes on long routes.

Caption:

With its predictive maintenance function for the TraXon transmission system, ZF adds a further digitalization solution to its commercial vehicle portfolio starting in 2019.

Image: ZF



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**ZF Friedrichshafen AG**

ZF is a global leader in driveline and chassis technology as well as active and passive safety technology. The company has a global workforce of 146,000 with approximately 230 locations in some 40 countries. In 2017, ZF achieved sales of €36.4 billion. ZF is one of the largest automotive suppliers worldwide.

ZF allows vehicles to see, think and act. The company invests more than six percent of its sales in research and development annually – in particular for the development of efficient and electric drivelines and also in striving for a world without accidents. With its broad portfolio, ZF is advancing mobility and services in the automobile, truck and industrial technology sectors.

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