



ZF in Concrete Mixers

- **20% lighter**
- **50% shorter**
- **Reliable, powerful and eco-friendly**
- **Output torque up to 62 000 Nm**

In driveline technology for truck mixers ZF is extending its lead in the world's market. Vehicle manufacturers from the USA to China put their trust in the high quality of ZF mixer transmissions. ZF fulfils this demand through continual product innovation.

ZF presents the new generation of the ECOMIX range type CML 10 (Concrete Mixer Lowspeed) for concrete mixers up to 10 m³ drum capacity and an output torque up to 62,000 Nm. Mixer transmissions ECOMIX II are based on the achievements of the first Ecomix generation, however, they are smaller, lighter, tougher, more flexible, quieter, more noise reduced and easier to service.

The Ecomix II transmission CML 10 in comparison to previous models with PLM 9 is approx. 20 % lighter and 50 % shorter. However, the special design of the new mixer transmission range Ecomix II also offers a wide range of further advantages. Thanks to a tough bearing concept it was possible to significantly increase the output bearing strength, which leads to less sensibility at off-road operation. The use of patented Elastomer units from ZF Boge Elastmetall allow an increase of the axial runout at drum bottom and an increase of misalignment of the drum. With the new bearing concept the installation angle is no longer dependent on drum size and drum filling. An **installation angle up to 20°** is always possible. Acoustic and mechanic decoupling of drum and vehicle frame leads to considerable noise reduction during operation and improved driving comfort.

The service-friendliness has been improved by an adapted, weight-optimized slow running radial-piston engine and a



separate oil supply for the transmission, as well as better accessibility. Instead of the previous sealing collar, a cassette seal is used, making the transmission more robust and increasing the service life. The transmission is fitted with lifetime oil lubrication. This saves costs and preserves the environment. The compact lightweight construction also offers the vehicle manufacturer more design freedom.

Fig. 22, 23



Presseinformation
Press Information

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ZF is one of the world's leading automotive industry suppliers specializing in driveline and chassis technologies. With a workforce of 63,000 employees, the company operates 125 plants in 26 countries. To sustain its success with innovative products, ZF invests 5 percent of its annual revenues (over € 625 million from an annual total of € 12.5 billion in 2008) in research and development.

The ZF division Off-Road Driveline Technology and Axle Systems with headquarters in Passau specializes in the development and production of transmissions and axles for agricultural and construction machines as well as axle systems for buses and trucks. With approximately 7,500 employees, the division recorded a turnover of € 1.9 billion in 2008.

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