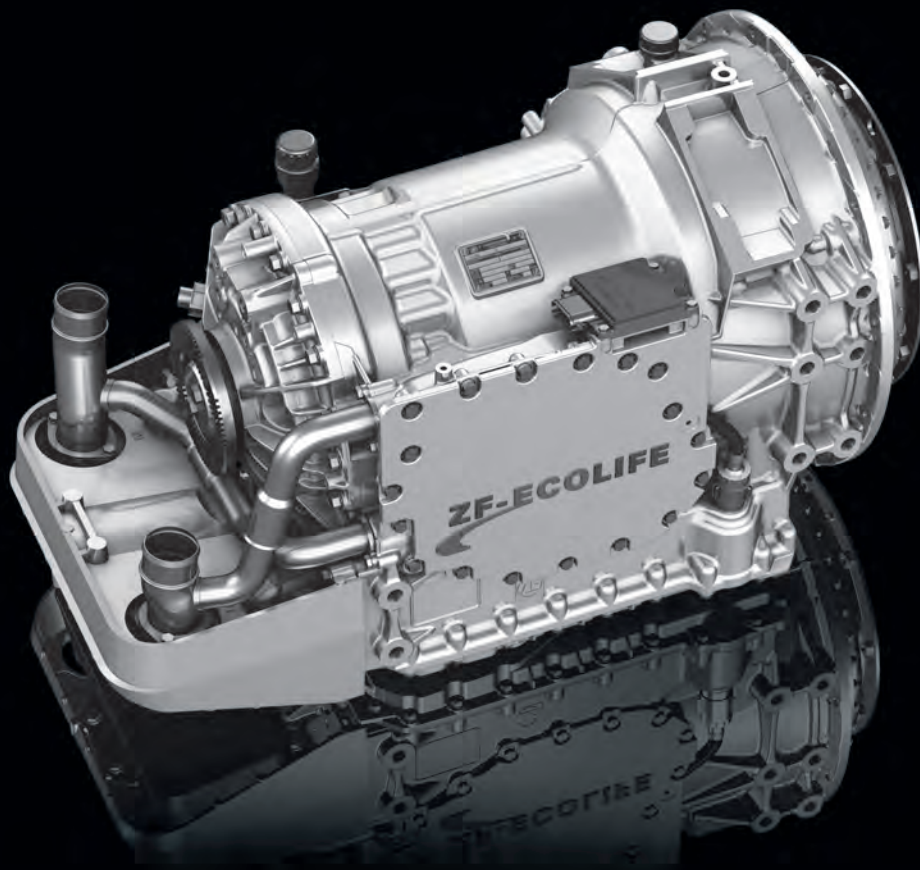


OPTIMAL SHIFT COMFORT



AUTOMATIC TRANSMISSION
ZF ECOLIFE RAIL



INCREASED EFFICIENCY FOR DIESEL MULTIPLE UNITS (DMU)



Noticeable fuel savings, longer service life and optimum shift comfort – those are the advantages of EcoLife Rail. The torque converter automatic transmission is ideally matched to suit the higher torque ratings of modern powerpacks in DMUs and is able to transmit up to 2,500 newton meters.

The torque converter ensures smooth starting processes and optimal acceleration values. The six mechanical gears keep the engine in an economical speed range. The integrated retarder considerably reduces wear in the mechanical brake system. System safety is ensured by the „Fail Safe Principle“.

In addition to the oil cooler that has been integrated into the transmission, a heat exchanger contributes to the high cooling performance of the EcoLife Rail. The improved heat management extends the oil change intervals and service life, making the transmission even more reliable and easier to service.

TECHNICAL DATA

Input torque rating	2,500 Nm
Weight	420 kg
Drive power	600 kW
Speed up to	200 km/h

HIGHLIGHTS

- Fuel savings of up to 20 percent
- Significant reduction in life cycle costs
- Compact installation space
- High power-to-weight ratio
- Integrated electronics

ZF Friedrichshafen AG
Industrial Technology Division
Marine and Special Driveline Technology
Ehlersstr. 50
88046 Friedrichshafen/Germany
Phone +49 7541 77-3694
Fax +49 7541 77-903694
rail@zf.com
www.zf.com/rail