Fluidmatic HD XLD

Automatic Transmission Fluid

KEY DATA

MANUFACTURER APPROVALS

- ZF TE-ML 14F
- ZF TE-ML 20G
- ZF TE-ML 25G
- ZF TE-ML 26D
- ZF TE-ML 29
- MAN 339 Z5
- MAN 339 Z14
- MAN 339 Z21
- Volvo 97005

TECHNOLOGY

Life-boost technology

Your peace of mind solution.

Life-boost technology will maximize the durability of the components and parts of the driveline equipment of your vehicle.

Our products will offer the best services as your vehicle will require drastically less maintenance providing reduced Total Cost Ownership (TCO) with on top a significant extended drain interval. A solution which offers a peace of mind throughout the normal lifetime of your vehicle.

APPLICATIONS

Fluidmatic HD XLD is a next-generation automatic transmission fluid, specially developed for the latest ZF Ecomat, Ecolife, and Powerline gearboxes. This advanced synthetic automatic transmission fluid is engineered for modern heavy-duty gearboxes, ensuring exceptional performance and extended drain intervals. Recommended for ZF-manufactured automatic transmissions in buses and utility vehicles, where maximal drain intervals are required.

PERFORMANCES & CUSTOMER BENEFITS

- Outstanding Oxidation and Thermal Stability: Reduces deposit formation and harmful acidic by-products, enabling maximal drain intervals.
- Excellent viscosity Stability: Maintains consistent viscosity, ensuring reliable lubrication even under severe operating conditions.
- Extended drain Intervals: This technology, specially deveopped for ZF transmissions, enables extra-long drain intervals. It enhances the efficiency of filtration systems, reducing the frequency of filter changes and lowering maintenance costs.
- Superior Foam Control: Ensures optimal lubrication and hydraulic efficiency by minimizing Foam formation.
- Exceptional Wear Protection: Provides robust Protection against Wear and corrosion, extending the lifespan of transmission components.
- Stable Friction Characteristics: Maintains Excellent shifting performance over a prolonged period, ensuring smooth and reliable operation.
- Enhanced Anti-Wear Properties: Delivers Superior Protection under increasing load constraints, maximizing power transmission efficiency and improving fuel economy.
- Seal Compatibility: Prevents oil leakages and Maintains system integrity, ensuring reliable operation.
- Improved Friction Modifiers: Enhances driver comfort with smooth, efficient, and shudder-free shifting.

CHARACTERISTICS*

TEST	UNIT	TEST METHOD	RESULT
Density at 15°C	kg/m3	ISO 3675	841
Kinematic viscosity at 40°C	mm²/s	ISO 3104	34.1
Kinematic viscosity at 100°C	mm²/s	ISO 3104	7.0
Viscosity index	-	ISO 2909	172
Brookfield Viscosity at -40°C	cP	ASTM D2983	12700
Pour point	°C	ISO 3016	-45
Flash Point	°C	ISO 2592	224

* The characteristics given above are obtained with a standard tolerance threshold during production and may not be considered specifications.

RECOMMENDATIONS FOR USE

Before using the product, the vehicle's maintenance guide should be checked. Oil changes should be carried out in accordance with the manufacturer's recommendations.

The product should not be stored at temperatures over 60°C. It should be kept away from sunlight, intense cold and extreme temperature fluctuations. If possible, the packaging should not be exposed to the elements. Otherwise, the drums should be laid horizontally in order to avoid any contamination from water and to prevent the product's label from rubbing off.

HEALTH, SAFETY AND THE ENVIRONMENT

Based on the toxicological information available, this product should not cause any adverse health effects, provided it is used for its intended purpose and in accordance with the recommendations laid out in the Safety Data Sheet (SDS).

This can be obtained on request from your local reseller and is available for consultation at https://ms-sds.totalenergies.com.

This product should not be used for any purposes other than the ones for which it is intended.

Some variations can be expected under normal production conditions, but these should not affect the product's expected performance irrespective of the site. The information contained in this document is subject to change without notice. Our products can be viewed on our website at www.lubricants.totalenergies.com.