

## EVO ATF HD LD



### DESCRIPTION

EVO ATF HD LD is a premium, fully synthetic, long-drain automatic transmission fluid designed for modern powertrains incorporated in the new generation of trucks and buses. It is engineered to improve vehicle performance, reduce fuel consumption, and deliver superior driving experience. The fluid provides outstanding protection and lubrication for automatic gearboxes across a wide temperature range. It enables extended drain intervals even under the most severe operating conditions, while keeping transmissions clean and functioning properly.

### APPLICATIONS

EVO ATF HD LD is fully approved for extended drain application in Voith and ZF commercial transmissions, operating under higher torque loads and elevated temperature conditions. It meets ZF TE-ML 14C and ZF TE-ML 20C requirements making them suitable for ZF Ecomat and ZF EcoLife transmissions. It meets the Voith 150.014524.xx, primarily used in heavy-duty Voith DIWA transmissions for buses and commercial vehicles, enabling extended drain intervals up to 180,000 km.

### SPECIFICATIONS

ZF	TE-ML 03D	MAN	339 Type Z1
ZF	TE-ML 04D (Approved)	MAN	339 Type Z2
ZF	TE-ML 14A	MAN	339 Type Z3
ZF	TE-ML 14B	MAN	339 Type Z11
ZF	TE-ML 14C (Approved)	VOITH	50.014524.xx
ZF	TE-ML 16L	VOITH	H55.6335
ZF	TE-ML 16M (Approved)	VOITH	H55.6336
ZF	TE-ML 16R	VOLVO	CE 97340 (AT100)
ZF	TE-ML 16S (Approved)	VOLVO	CE 97341 (AT101)
ZF	TE-ML 20B	DTFR	13C140 (ex. MB 236.7)
ZF	TE-ML 20C (Approved)	DTFR	13C160 (ex. MB 236.81)
ZF	TE-ML 25B	DTFR	13C170 (ex. MB 236.9)
ZF	TE- ML25C (Approved)	MB	MB 236.6
MAN	339 Type V1	MAZDA	F-1
MAN	339 Type V2		
MAN	339 Type V3		

### PROPERTIES

EVO ATF HD LD is formulated to produce a standard-viscosity ATF higher than 6.8 cSt (at 100°C). Its advanced friction modifiers, combined with a high-performance VI improver and antioxidant/anticorrosive additive system, ensure proper torque converter clutch operation, excellent viscosity stability, superior high-load performance, and long-lasting anti-shudder protection.



## TECHNICAL PRODUCT SHEET

### BENEFITS

Enhanced thermal and oxidative stability, together with improved high- and low-temperature performance, ensure reliable operation across a wide range of transmissions. EVO ATF HD LD enables comfortable and smooth gear shift performance over time, extends clutch life, and delivers long-lasting performance in all conditions.

### PHYSICAL-CHEMICAL CHARACTERISTICS

EVO ATF HD LD	METHOD	
Density at 15°C, g/cm <sup>3</sup>	ASTM D4052	0.845
Viscosity, Kinematic (cSt) 100°C	ASTM D445	7.3
Viscosity, Kinematic (cSt) 40°C	ASTM D445	36.4
Viscosity index	ASTM D2270	171
TBN, mgKOH/g	ASTM D2896	10
Flash point, COC, °C	ASTM D92	242
Pour point, °C	ASTM D97	-42
Brookfield (-40oC), Cp	ASTM D2983	14500
Color	-	Red

The above mentioned characteristics represent mean values.

### STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



### HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



### USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

