



ATF HD 389

High performance automatic transmission fluid

Product description

ATF HD 389 is a high performance automatic transmission fluid designed for use in Allison on-highway heavy-duty transmissions, which require a TES-389 Schedule One ATF. ATF HD 389 is also suitable for use in passenger car, light truck and bus transmissions requiring a DEXRON®-III H fluid.

ATF HD 389 is formulated with Group II base stocks in combination with advanced additive technologies designed to deliver robust oxidation and thermal stability; reliable friction control; good load carrying capability and long-term wear and corrosion protection. ATF HD 389 is formulated to protect against harmful deposit, sludge and varnish formation, offering a long, low maintenance system service life under severe operating conditions.

Customer benefits

- Advanced formulation promotes protection against wear and corrosion in gears, bearings and clutch systems, helping increase uptime
- Designed to maintain reliable friction control for smooth shift action
- Formulated for seal compatibility, helping prevent cracking – especially effective in protecting fluoroelastomer seals used in Allison heavy-duty transmissions
- Base oil and additive combination offers advanced oxidation stability, helping protect against lacquers, sludge, and other harmful deposits
- Reliable low-temperature fluidity promotes rapid oil circulation and wear protection during cold weather start-up

Product highlights

- **Promotes wear and corrosion protection in gears, bearings and clutch systems**
- **Designed for reliable friction control**
- **Formulated for seal compatibility, helping prevent cracking**
- **Offers protection against lacquers, sludge, and other deposits**
- **Promotes cold weather start protection**

Selected specification standards include:

Allison	Bosch
Caterpillar	Ford
General Motors	Mercedes-Benz
Toyota	ZF

Applications

- ATF HD 389 is designed for Allison on-highway, heavy-duty transmissions which require a TES-389 Schedule One ATF.
- ATF HD 389 is also suitable for use in most pre-2006 automatic transmissions built by General Motors, Ford Motor Company and other makes which need a high-performance, multi-purpose, power transmission fluid.
- ATF HD 389 may be used in BMW vehicles fitted with GM 4L30-E 4-speed transmissions and GM 5L40-E 5-speed transmissions (gasoline models)
- ATF HD 389 may also be used in power assisted steering systems that permit the use of a Dexron-III type fluid. It should not be used in steering or active suspension systems that call for specific semi-synthetic or synthetic fluids, as the response speed may not be sufficiently fast.
- ATF HD 389 may also be used as a wide temperature range anti-wear hydraulic fluid for mobile, industrial and marine applications. The viscosity corresponds to ISO VG 32.

Approvals, performance and recommendations

Approvals

- | Approvals | Approval number |
|-------------------|-----------------|
| • Allison TES-389 | AA-33902015 |

Recommendations

- Allison C-4
- Bosch TE-ML 09 ^[1]
- Caterpillar TO-2
- Ford M2C138-CJ
- Ford M2C166-H
- Ford Mercon
- General Motors DEXRON-III H
- Mercedes-Benz MB 236.5
- Toyota Type T
- ZF TE-ML 04D

^[1] List formerly administered by ZF. Products meeting the necessary performance requirements are approved for use, but there is no product listing

Typical test data

Test	Test Methods	Results
Shelf Life: 60 months from date of filling indicated on the product label.		
Viscosity, Kinematic, 100°C, mm ² /s	ASTM D445	7.1
Viscosity, Kinematic, 40°C, mm ² /s	ASTM D445	34.9
Viscosity, Brookfield, -40°C, mPa.s	ASTM D2983	13,700
Viscosity Index	ASTM D2270	172
Density, 15°C, kg/l	ASTM D4052	0.856
Flash Point COC, °C	ASTM D92	220
Pour Point, °C	ASTM D5950	-51
Colour	—	Red

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

Disclaimer Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

Health, safety, storage and environmental Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

A Chevron company product