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 premium base oils 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	Weber-Hydraulik
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 suitable for use

Approvals	Approval number
• Allison TES-389	AA-33902015
• Weber-Hydraulik	Hydraulic cab cylinder Hydraulic hand pump

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, mm²/s	ASTM D445	7.1
Viscosity, Kinematic, 40°C, mm²/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 typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevro may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS

When disposing of used product, take care to protect the environment and follow local legislation.

Safety Data Sheets (SDS's) are available for all Chevron products. If you require a SDS or any further information regarding a Chevron product, please contact your local sales office or see www.texacolubricants.com.

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