



SYNTHETIC AUTOMATIC TRANSMISSION FLUID

DESCRIPTION

49 NORTH® SYNTHETIC AUTOMATIC TRANSMISSION FLUID is a super-premium quality, synthetic automatic transmission fluid, suitable for use in a wide array of automatic transmissions. It contains synthetic base stocks and unusual additives. Unlike other automatic transmission fluids, it is designed for use in continuous variable transmissions (CVTs), 5 speed and 6 speed automatic transmissions as well as conventional automatic transmissions.

QUALITIES

49 NORTH® SYNTHETIC AUTOMATIC TRANSMISSION FLUID has extended drain intervals due to its superior oxidation stability, deposit control and shear stability. It has excellent resistance to rust, corrosion and foaming. It contains a shear stable VI improver along with friction-modifying additives that allow transmissions to shift smoothly, yet attain a positive lockup. 49 NORTH® SYNTHETIC AUTOMATIC TRANSMISSION FLUID is specially formulated to eliminate shudder often encountered in transmissions with continuously slipping torque converter clutches.

APPLICATIONS

49 NORTH® SYNTHETIC AUTOMATIC TRANSMISSION FLUID is recommended for most automatic transmissions manufactured in Europe, North America or Asia. It is also recommended for most continuously variable transmissions (CVTs). It can be used in 5 or 6 speed automatic transmissions, and may also be used in Allison transmissions calling for Allison TES 295 Fluid.

TYPICAL PROPERTIES

Product Code	32493
API Gravity (ASTM D - 4052)	34.9
Pounds Per Gallon	7.08
Viscosity (ASTM D - 445)	
cPs at -40° C	13,000 Max
cSt at 40° C	32.9
cSt at 100° C	7.2
Viscosity Index (ASTM D- 2270)	180
Flash Point (ASTM D - 92) °F (°C)	374 (190)
Pour Point (ASTM D - 97) °F (°C)	-46 (-51)
Colour (ASTM D1500)	Red

Lubricants For All Reasons



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GUIDELINES AND NOTES:

Development of efficient transmissions by automakers for a variety of vehicles has resulted in a multitude of original equipment manufacturers (OEM) designer fluids for automatic transmissions and CVTs. We are offering our "top of the line fluid", 49 NORTH® SYNTHETIC AUTOMATIC TRANSMISSION FLUID, that meets vehicle manufacturers ATF requirements and is backed by our warranty.

49 NORTH® supports the use of 49 NORTH® SYNTHETIC AUTOMATIC TRANSMISSION FLUID in a large number of automatic transmissions that are listed below. This fluid has been evaluated in transmissions and we can offer this synthetic fluid as a service fill equivalent for many of these restricted "genuine oils".

In all cases the owner's manual is the final authority and should be consulted whenever there is doubt about the suitability fluid for any of the vehicles listed below, especially for models after 2004. 49 NORTH® SYNTHETIC AUTOMATIC TRANSMISSION FLUID is suitable for most transmissions except where noted on the attached Suitability Guide for Vehicles. The newest automatic transmissions may have special fluid requirements especially with design changes in 2005, 2006, OR 2007.

This fluid is also suitable for use in Continuous Variable Transmissions (CVTs)! CVTs can vary in design and use belts or chains in the transmission. Friction is an important parameter in the transmission design, just as it is with conventional automatic transmissions. 49 NORTH® SYNTHETIC AUTOMATIC TRANSMISSION FLUID has a special friction additive, which makes it suitable replacement for ATF as well as the following CVT fluids:

- Acura or Honda (Honda CVT Fluid)
- Audi (CVT Transmission fluid)
- Nissan (genuine Nissan CVT fluid)
- Saturn (Dex-CVT)

Note that the fluid viscosity for genuine fluids or licensed fluids may or may not differ from 49 NORTH® SYNTHETIC AUTOMATIC TRANSMISSION FLUID in viscosity at operating temperature. 49 NORTH® SYNTHETIC AUTOMATIC TRANSMISSION FLUID has a typical viscosity (7.2 cSt at 100C) that meets Dexron III and Mercon viscosity requirements. Its viscosity at 100 C is in above Mercon SP (5.5 to 6.0 cSt) and Dexron VI (6.0 cSt typical, 6.8 maximum), but it is suitable for meeting Allison TES 295 (7.6 cSt typical). It contains a shear stable VI improver and hence remains in grade during its life, unlike Dexron III-H or Mercon. In this regard it is like genuine ATF fluids such as TES 295 fluid or Chrysler ATF+3 or +4 that contain shear stable polymers.

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**Proudly Serving
Canadian Industry
Since 1984**



Product Code: 32493

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SUITABILITY GUIDE FOR VEHICLES**

Allison-C-3 fluid, C-4 fluid, TES 295 fluid
Alpha Romeo
American Motors
Audi -- ZF Specs (5HP19FL, FLA, 5HP-24A).
BMW -- ZF Specs, (5HP18FL, 5HP30, 5HP24)
Caterpillar-- TO-2
Chrysler-- ATF+3 or ATF+4
Chrysler-except 2004 Crossfire (may not be suitable-requires Shell 3403 ATF)
Daewoo
Dexron , Dexron II and Dexron III
DIWA
Esso--LT 71141**
Fiat
Ford or Ford Trucks--Mercon , Ford Mercon V, Ford Type F
Ford Specs M2C-33 (all), M2C-138 CJ, M2C-166-H
Geo
Hyundai
Honda-- ATF-Z1
Infiniti
Isuzu
Jaguar-- ZF spec (5HP24).
Jeep
KIA
Lexus
Mazda
MAN 339F
Mercedes Benz-- specs 236.3 (PSF), 236.5 (C-4), 236.7, 236.8, 236.81, 236.9, 236.11 and ZF spec 4HP20
Mini (may not be suitable)
Mitsubishi-- Diamond SP-II or SP-III
Nissan-- Matic D, Matic J, Matic K
Opel
Peugeot-- ZF Spec 4HP20. (Others may not be suitable)
Porsche-- ZF Spec 5HP19FL
Renault
Saab (Check manual for recent models)
Saturn
Shell --LA 2634** (BMW).
Shell-LA 3403 (not suitable)
Subaru
Toyota--Type T, T-III or T-IV
Volkswagen-- FLA, ZF spec 5HP19FL, TL 521-62,
Voith-G-607, ZF spec TEML 11/14 Commercial, Ecomat & torque converter transmissions
Volvo-ZF spec TLML 09/11

* ZF has multiple specifications for transmission fluids.** Unique factory fill fluids here are identified by factory fill oil vendors such as Shell or Esso.

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