Technical Data Sheet

Pennzoil® ATF+4®

Automatic Transmission Lubricant

ATF+4®, is specially formulated to meet the requirements for use as a hydraulic fluid for automatic transmissions used in passenger cars, trucks and sport utility vehicles. It is designed as a robust automatic transmission fluid with improved oxidation stability, excellent low temperature viscosity, friction durability/retention, shear stability and anti-wear performance characteristics vs. ATF+3®.

Applications

ATF+4®, is intended as a hydraulic fluid for all automatic transmissions manufactured by DaimlerChrysler Corporation where an ATF+3®, ATF+2®, or ATF+® fluid is specified. ATF+4® fully meets Chrysler warranty requirements.

- 1988 & Newer - All Chrysler, Plymouth and domestic Dodge models
- All Jeep models without AW-4 automatic transmissions
- 1969 & Newer - All import models from Dodge, Eagle and Plymouth
- 1993 & Newer - All domestic Eagle models

ATF+4®, is also suitable for use in 1987-95 Hyundai transaxles and in some Mitsubishi automatic transmissions.

- Always check owner's manual for exact application.
- This product should not be used in transmissions requiring DEXRON® - III (H), MERCON®, MERCON® V, or MERCON® SP transmission fluids.

Performance Features and Benefits

AFT+4®, provides:

- Superior low temperature performance vs. ATF+3® due to the Group II+/Group III base stocks used.
- Excellent shear stability and viscosity retention vs. ATF+3®.
- Significant long-term improvement in oxidation stability vs. ATF+3®.
- Measurably improved anti-wear properties over DaimlerChrysler's previous generation ATF.
- Friction properties closely matching those of DaimlerChrysler's previous generation ATF.

Specifications and Approvals

ATF+4®, is approved against Chrysler specification MS-9602.

Health & Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Shell representative.

Protect the environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Typical Physical Characteristics

ATF+4 ATF		
	Test Method	
Appearance		**Red, dyed**
Gravity, API	**D 1298**	**34.7**
Flash, COC, °F	**D 92**	**410**
Pour Point, °C	**D 97**	**-48**
Viscosity **cP at -28.9°C** **cP at -40°C**	**D 2983**	 **2,250** **9,300**
Viscosity **cSt at 40°C** **cSt at 100°C** **SUS at 100°F** **SUS at 210°F**	 **D 445** **D 445** **(calc)** **(calc)**	 **35.13** **7.71** **177.5** **52.0**
Viscosity Index	**D 2270**	**198**

These characteristics are typical of current production. While future production will conform to SOPUS Products specification, variations in these characteristics may occur.

ATF+, ATF+2, ATF+3 and ATF+4 are trademarks of DaimlerChrysler Corporation