

PENNZOIL ATF AUTOMATIC TRANSMISSION FLUID

A Quality Multi-Functional Fluid for Automatic and Powershift Transmissions

PRODUCT

PENNZOIL® ATF is a new generation petroleum base fluid for automatic and powershift transmissions. It is fully qualified as both a DEXRON®-III and MERCON® lubricant surpassing General Motors specification 6297-M and Ford specification M2C185A. In addition, **PENNZOIL® ATF** is an approved Allison C-4 fluid and is qualified as a Caterpillar TO-2 lubricant.

To meet the lubrication demands of specialized equipment design, Pennzoil incorporated a “new generation” complex additive system in **PENNZOIL ATF**. Specially selected friction modifiers allow friction retention for long life performance. Enhanced oxidation, thermal stability and corrosion resistance insures long mileage component protection. In addition, the anti-wear protection of **PENNZOIL® ATF** has been improved to exceed the most demanding requirements of hydraulic pump manufacturers.

APPLICATION

PENNZOIL® ATF is especially formulated to meet the viscosity and frictional requirements of a DEXRON®-III fluid. It is a multi-functional fluid, which meets or exceeds the following performance requirements or manufacturers' specifications. :

- DEXRON®-III (GM 6297-M)
- MERCON® (FORD M2C185A)
- Allison Type C-4
- Caterpillar TO-2
- Sundstrand Hydrostatic Transmissions

PENNZOIL® ATF is suitable for use in applications requiring Ford M2C138CJ and Ford Type H fluids.

PENNZOIL® ATF is recommended for mobile equipment used by utility companies which require

DESCRIPTIONS

electrical insulating properties for hydraulic oils (ATF has a dielectric strength = 35kV)

PENNZOIL® ATF provides superior wear protection for all passenger cars and light trucks requiring the use of a Type A or Type A Suffix A, DEXRON®, DEXRON®-II, DEXRON®-IIE, DEXRON®-III or MERCON Automatic Transmission Fluid -- General Motor , Ford (other than M2C33F or type F fluid), Chrysler, American Motors, Nissan, Honda, VW, Subaru, Mitsubishi, Isuzu, Toyota, Fiat, Audi, Alfa-Romeo, Renault, Porsche and Mercedes Benz.

PENNZOIL® ATF can be used in passenger cars, trucks and buses off-highway construction/mining equipment, agricultural equipment, mobile hydraulic systems, industrial machinery, and power steering systems which require DEXRON®, DEXRON®-II, DEXRON®-III fluids.

BENEFITS

- Excellent friction, oxidation and thermal stability
- Outstanding anti-wear performance
- Improved hydrolytic stability
- Better cold temperature flow properties than SAE 10W motor oil
- Protect components from harmful attack by corrosive acids
- Excellent compatibility with seal materials
- Outstanding hydraulic pump performance
- Year-round performance
- Multi-functional fluid-reduces inventory
- Assures long equipment life
- USDA H-2 listed

**TYPICAL PHYSICAL AND CHEMICAL PROPERTIES
ATF AUTOMATIC TRANSMISSION FLUID**

TEST	METHOD	TYPICAL RESULTS
Gravity, API	ASTM D-287	32.5
Specific Gravity 60°F (15.6 °C)	ASTM D-287	0.8780
Density, lbs/gal		7.25
Flash Point, °C	ASTM D-92	204
Fire Point, °C	ASTM D-92	224
Pour Point, °C	ASTM D-97	-57
Color		Red
Viscosity		
@ 40°C, cSt	ASTM D-445	34.35
@ 100°C, cSt	ASTM D-445	7.23
Viscosity Index	ASTM D-2270	195
Brookfield Viscosity @-40°C, cp	ASTM D-2983	17,200
Dielectric Strength, kV	ASTM D-877	35 kV
Sundstrand Axial Piston Pump Test	Sundstrand Procedure	Excellent Pass
Rust Protection	ASTM D-665A	Pass (No Rust)
Hydrolytic Stability Test	ASTM D-2619	Excellent Pass
Foam Test	ASTM D-892	No Foam (0-0-0)
Copper Strip Corrosion (3 hrs @100°C)	ASTM D-130	1b