



TYPE F AUTOMATIC TRANSMISSION FLUID

High Quality Transmission Fluid

PRODUCT DESCRIPTION

PENNZOIL® TYPE F is a specially compounded fluid for certain automatic transmissions and transaxles. It is formulated with high quality mineral oil and performance additives to exceed the requirements of Ford Motor Company specification M2C33-F.

This special formulation has exceptional resistance to high temperature oxidation and thickening. Special additives combat varnish and sludge build-up to prevent control valve sticking, oil screen and passage plugging, and clutch glazing. The inclusion of effective rust inhibitors help prevent rust formation on critical mating parts. Vaporization and foam are controlled by the quality of the base oil and the foam inhibitors. Its special wear inhibitors have proven effective in preventing wear on gears in both automatic transmissions and transaxles.

APPLICATION

PENNZOIL® TYPE F fluid meets or exceeds all specifications for Ford, Lincoln and Mercury automatic transmissions and other vehicles which require a TYPE F transmission fluid. The proper transmission fluid for automatic transmissions manufactured by Ford Motor Company may be determined by examining the transmission dipstick. If the dipstick is marked M2C33-F, PENNZOIL® TYPE F should be used for service fill. If the dipstick is marked M2C138-CJ, PENNZOIL® ATF DEXRON®-III/MERCON® should be used.

Caution: Always refer to the owner's manual supplied with the vehicle for the correct fluid for automatic transmissions and transaxles. Do not use PENNZOIL® TYPE F where Ford TYPE "H" fluid or MERCON® fluid is required.

TYPE F fluid may also find use in older rotary screw compressors, or fork lift hydraulic systems, where the manufacturer specifies the use of an automatic transmission fluid.

BENEFITS

- Meets or exceeds the requirements of Ford Motor Company specification M2C33F
- Recommended wherever "TYPE F" fluid is required
- Maintains viscosity over a wide range of temperatures
- Resistant to high temperature oxidation and fluid thickening
- Helps prevent sludge and varnish on control valves
- Provides wear protection for gears and bearings
- Contains an effective foam inhibitor
- Helps prevent rust on critical mating parts
- Compatible with commonly used seal materials

**TYPICAL PHYSICAL AND CHEMICAL PROPERTIES
 PENNZOIL[®] TYPE F AUTOMATIC TRANSMISSION FLUID**

TEST	METHOD	TYPICAL RESULTS
Gravity, °API	ASTM D-287	30.5
Specific Gravity @ 60°F(15.6°C)	ASTM D-287	0.86
Pounds Per Gallon @ 60°F(15.6°C)		7.16
Viscosity		
@ 40°C, cSt	ASTM D-445	34
@ 100°C, cSt	ASTM D-445	7.1
@ 100°F, SUS	ASTM D-445 & D-2161	159
@ 210° F, SUS	ASTM D-445 & D-2161	48.8
@ 0°F (-18°C), cP	ASTM D-2983	1,500
@ -40°F (-40°C), cP, max.	ASTM D-2983	55,000
Viscosity Index	ASTM D-2270	152
Flash Point, °C(°F), min.	ASTM D-92	200(572)
Pour Point, °C(°F), max.	ASTM D-97	-40(-40)
Color	ASTM D-1500	Red
Rust Protection	ASTM D-665, Procedure A	Pass
Seal Compatibility, (168 hrs @ 150°C)	ASTM D-471	Pass
Copper Strip Corrosion Test, (3 hrs @ 100°C)	ASTM D-130	Pass
Material Number		
12/1 Quarts		5523
16 Gallon Drum		5525
55 Gallon Drum		5526