

# Pennzoil® Type F ATF Automatic Transmission Fluid

## TECHNICAL DATA SHEET



Pennzoil® Type F ATF is a quality automatic transmission fluid, specially formulated to meet the lubrication requirements of specific automatic transmission units, power steering systems and hydraulic systems. It is based on a blend of high viscosity index oils and proven additives, to provide protection in units requiring a non-friction modified type fluid.

### PERFORMANCE, FEATURES & BENEFITS

- **Non-friction modified formulation**

Reduced clutch and brake fluid slippage, as required in automatic transmissions calling for oil meeting the Ford specifications ESW-M2C33-F/G.

- **Specially formulated for ATF transmissions**

Consistent, reliable, smooth and trouble-free operation.

- **High oxidation resistance**

Resistant to oil degradation in all operating conditions.

- **Excellent shear-stability**

A special 'VI' improver minimises the variation of viscosity with changes in operating temperature, thus ensuring excellent lubrication performance.

- **Dependable anti-wear and gear protection**

Long component life.

### MAIN APPLICATIONS

- Automatic transmission systems requiring a fluid of this type
- Off-road construction and agricultural hydraulic systems
- Industrial hydraulic systems and air compressors
- Power steering units

### SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

Meets the requirements of:

Ford SQM-2C 9007-AA	Recommended
Ford (service fill)	M2C-33F, -33G
Borg Warner	Recommended for some units (for initial-fill, service-fill and top-up)

#### Color

Pennzoil® Type F ATF is dyed red for identification purposes.

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Help Desk.

To find the right Pennzoil® product for your vehicles and equipment, please consult [www.pennzoil.com](http://www.pennzoil.com) to look up the right motor oil recommendation using our oil selector.

### TYPICAL PHYSICAL CHARACTERISTICS

Properties		Method	PENNZOIL® Type F ATF
Appearance			Red, dyed
Flash Point (COC)	°F(°C)	ASTM D92	356(180)
Pour Point	°C	ASTM D97	-42
Kinematic Viscosity	@40°C cSt	ASTM D445	39.9

# **Pennzoil® Type F ATF** *Automatic Transmission Fluid*

Properties			Method	PENNZOIL® Type F ATF
Kinematic Viscosity	@100°C	cSt	ASTM D445	8.4
Viscosity Index			ASTM D2270	180

These characteristics are typical of current production. While future production will conform to Pennzoil's® specification, variations in these characteristics may occur.

## **HEALTH, SAFETY & ENVIRONMENT**

### **Health and Safety**

Pennzoil® ATF Type F is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet (MSDS), which can be obtained from [www.epc.shell.com](http://www.epc.shell.com)

### **Protect the Environment**

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

## **ADDITIONAL INFORMATION**

### **Advice**

Advice on applications not covered here may be obtained from your Shell Lubricants distributor representative or Shell Technical Help Desk.