



Product Data Sheet

ESSO ATF TYPE F

AUTOMATIC TRANSMISSION FLUID

December 2006

Esso ATF Type F offers the following features and benefits:

- ◆ **Recommended for applications requiring Ford ESW-M2C33-F Automatic Transmission Fluid (Type F)**
- ◆ **Recommended for applications requiring Ford ESW-M2C33-G Automatic Transmission Fluid**
- ◆ **Special ATF for certain pre-1981 Ford vehicles and certain imported vehicles**
- ◆ **The high viscosity index and low pour point of Esso ATF type F contribute to smooth, quiet operation of hydraulic equipment year-round.**

Primary Applications

Esso ATF Type F is an automatic transmission fluid specifically designed for use in certain pre-1981 Ford Motor Company vehicles that require a high-friction ATF meeting Ford specification ESW-M2C33-F. These vehicles are identified as:

- ◆ all 1976 and earlier Ford, Lincoln, and Mercury models of cars, vans, and light trucks;
- ◆ all 1977-1980 models having either ESW-M2C33-F or no number at all stamped on the transmission dipstick.

Esso ATF Type F is also recommended for automatic transmissions in certain older Toyota, Mazda, Volvo, and other imported vehicles that require an ESW-M2C33-F fluid. In addition, this type of ATF is specified for some Ford power steering systems.

Esso ATF is recommended for applications requiring the Ford specification ESW M2C33-G

Performance features

Esso ATF Type F is a petroleum-base product with a high viscosity index and low pour point, which ensures quiet, smooth operation year round. It contains an effective anti-foaming agent, resists rust, has good anti-wear properties, is non-corrosive to metal parts, and will not attack rubber or other sealing materials. Good oxidation stability enables it to resist deterioration over long service periods.

Ford ESW-M2C33-F Fluid

The frictional characteristics of an automatic transmission fluid are an important factor in the design and operation of the transmission. All Ford transmissions built prior to 1977, and certain models that continued in use during 1977-1980, were designed for a high-friction fluid that allowed the shifting clutches to lock up or engage quickly. Ford specification ESW-M2C33-F covers this type of product, which is commonly referred to as "Type F" fluid. Esso ATF Type F is the appropriate Esso product for these units.

additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact with the skin, splashing into the eyes, ingestion, or vapour inhalation. Please refer to the Esso Material Safety Data Sheet for further information.

Note: This product is NOT controlled under the Canadian WHMIS legislation.

Precautions

Esso ATF Type F is manufactured from quality petroleum base stocks, blended with selected

Typical Properties

Density @ 15°C, kg/m ³	865
Kinematic Viscosity cSt @ 40°C	37
cSt @ 100°C	7.5
Viscosity Index	180
Brookfield Viscosity cP @ -40°C	30,000
cP @ -35°C	17,000
cP @ -30°C	7,000
cP @ -20°C	1,600
Pour Point, °C	-42
Flash Point (COC), °C	180
Copper Corrosion 3 hr @ 100°C	1a
Rust Protection Distilled Water	Pass
Colour	Red

The values shown above are representative of current production. Some are controlled by manufacturing and performance specifications while others are not. All may vary within modest ranges.