



Product Data Sheet

ESSO ATF MERCON® V

MERCON® V / ALLISON C4 Transmission Fluid

December 2006

ESSO AUTOMATIC TRANSMISSION FLUID MERCON®V is a premium multipurpose fluid offering that is designed specifically for the latest Ford vehicles requiring MERCON® V quality

- ◆ Licensed against MERCON® V AND ALLISON C4 standards
- ◆ excellent low temperature fluidity, high temperature stability and wear protection:
- ◆ Recommended for most automatic, powershift, hydrostatic and many standard transmissions
- ◆ Excellent multi-purpose hydraulic fluid

Primary Applications

Automatic Transmissions

ESSO ATF MERCON® V is MERCON® V, approved. It is recommended for passenger car and light duty truck transmissions from manufacturers specifying MERCON® V, and is also suitable for older GM, Ford and import vehicles recommending older automatic transmission fluid technology including:

G. M.	Fiat	Mazda*	Suzuki
Ford*	Honda	Mercedes*	Toyota
AMC	Infiniti	Nissan	Volvo*
Acura	Isuzu	Peugeot	VW
Audi	Jaguar*	Porsche	Alfa Romeo
BMW	Jeep	Saab	

*Check dipstick or owner's manual for product to use. For transmissions specifying Ford M2C-33F (Type F) use Esso Type F ATF.

Power Shift/Hydrostatic Transmissions

ESSO ATF MERCON® V is suitable for use in:

- ◆ Power shift and hydrostatic transmissions and drives specifying Allison C4 or Caterpillar TO-2.
- ◆ Detroit Allison V700 series including V730D

Manual Transmissions

ESSO ATF MERCON® V is recommended for many light duty manual transmissions. It is also excellent as a winter grade in many heavy duty manual transmissions specifying SAE 10W, 20W-20, or 5W-20 engine oils because of its excellent low temperature fluidity and anti-wear properties.

Performance Features

Good Wear Protection

Provides excellent anti-wear performance in transmission service.

Extended Fluid Life

The use of highly refined base oil and potent oxidation inhibitors retard the rate of fluid breakdown in high temperature service.

Corrosion Control

Provides protection against rusting and corrosion.

High Viscosity Index

Retains adequate lubricating film thickness for severe high temperature service with excellent fluidity at low temperatures.

Reduced Foam

Contains an effective anti-foam agent for transmission service.

Seal Compatibility

Optimized seal swell agents to provide excellent compatibility with modern, high temperature seal materials as well as those used in older transmissions.

Lubricating Characteristics

Helps in providing quiet operation, smooth shifting and excellent wear protection.

Proper Viscosity

Transmission of power is smooth and efficient throughout all normal temperature ranges.

Good Low Temperature Flow

To ensure needed fluidity at start-up, especially for modern electronically controlled automatic transmissions.

Easily Recognized

Contains a red dye to distinguish between transmission fluid and engine oil.

Servicing

The draining and refilling of automatic transmissions should be done with care. The procedures outlined by the vehicle manufacturer in the service manual or the Esso Car Care Guide should be followed.

Precautions

ESSO ATF MERCON® V is manufactured from high quality petroleum base stocks, carefully blended with selected additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. Please refer to our ESSO Material Safety Data Sheet for further information.

Note: This product is not controlled under Canadian WHMIS legislation.

Typical Properties

Specific Gravity	855
Flash Point, °C	187
Pour Point, °C	-46
Kinematic Viscosity, cSt @ 100°C	7.9
cSt @ 40°C	35
VI	208
Brookfield Viscosity cP @ -40°C	9500

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.