

# ***Pennzoil<sup>®</sup> Mercon<sup>®</sup> V ATF*** Automatic Transmission Fluid

## **TECHNICAL DATA SHEET**



PENNZOIL<sup>®</sup> MERCON<sup>®</sup> V Automatic Transmission Fluid is an excellent formulation for use in many Ford Motor Company vehicles on the road today, including the many transmissions, transaxles and power steering systems. To meet the improved level of performance over MERCON<sup>®</sup> ATF, the PENNZOIL<sup>®</sup> MERCON<sup>®</sup> V ATF formulation was designed to exhibit better low temperature flow and better shear stability. This formulation was further tested against Ford requirements for shudder protection and wear protection. The final formulation, PENNZOIL<sup>®</sup> MERCON<sup>®</sup> V ATF, provides consistently exceptional performance in many applications under varying operating conditions.

PENNZOIL<sup>®</sup> MERCON<sup>®</sup> V ATF formally passes all testing and licensing requirements for Ford's MERCON<sup>®</sup> V service fill specification and Ford's MERCON<sup>®</sup> service fill specification. Therefore MERCON<sup>®</sup> V ATF fully meets Ford Motor Company's warranty requirements in these applications.

### **MAIN APPLICATIONS**

Ford MERCON<sup>®</sup> V and Ford MERCON<sup>®</sup> automatic transmission fluid. Such applications may include automatic transmissions and transaxles, manual transmissions and transaxles and certain power steering pump reservoirs. General application guidelines are shown below. Always consult the owner's manual for verification.

Use of Ford MERCON<sup>®</sup> V fluid is recommended by Ford in some newer automatic transmissions and transaxles. Ford MERCON<sup>®</sup> V ATF is fully backward compatible and can be used to service vehicles requiring Ford MERCON<sup>®</sup> ATF.

PENNZOIL<sup>®</sup> MERCON<sup>®</sup> V ATF is not suitable for Ford MERCON<sup>®</sup> SP, MERCON<sup>®</sup> LV or Ford Type F ATF applications.

### **TYPICAL PHYSICAL CHARACTERISTICS**

<b>Properties</b>			<b>Method</b>	<b>PENNZOIL<sup>®</sup> MERCON<sup>®</sup> V Automatic Transmission Fluid</b>
<b>Kinematic Viscosity</b>	@-40°C	cP	ASTM D2983	12 000
<b>Kinematic Viscosity</b>	@100°C	cSt	ASTM D445	7.80

### **SPECIFICATIONS, APPROVALS & RECOMMENDATIONS**

PENNZOIL<sup>®</sup> MERCON<sup>®</sup> V ATF carries Ford License approval M5101001.

PENNZOIL<sup>®</sup> MERCON<sup>®</sup> V ATF meets the requirements of several other OEMs including 2005 and earlier General Motors and JASO 1A applications for mixed fleet service.

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

To find the right Pennzoil<sup>®</sup> 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.

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Properties			Method	PENNZOIL <sup>®</sup> MERCON <sup>®</sup> V Automatic Transmission Fluid
Kinematic Viscosity	@40°C	cSt	ASTM D445	34.73
Viscosity Index			ASTM D2270	205
Flash Point		°C	ASTM D92	207
Pour Point		°C	ASTM D97	-51

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

## HEALTH, SAFETY & ENVIRONMENT

### Health and Safety

Pennzoil<sup>®</sup> Mercon<sup>®</sup> V 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.

MERCON<sup>®</sup> is a trademark of Ford Motor Company.