

# **PENNZOIL PLATINUM™ LV MULTI-VEHICLE ATF**

*Premium, Synthetic Technology Multi-Vehicle Automatic Transmission Fluid for Lower Viscosity ATF Requirements in General Motors, Ford, and many import cars and trucks.*



## **TECHNICAL DATA SHEET**

Premium performance, synthetic technology fluid designed to meet the needs of multiple vehicle types for service fill in automatic transmission service. Pennzoil Platinum™ LV Multi-Vehicle ATF meets the needs of many Japanese, Asian, European, and North American designed automatic transmissions that require low viscosity automatic transmission fluid such as GM DEXRON® -VI, Ford MERCON® LV and Toyota WS.

### **PERFORMANCE, FEATURES & BENEFITS**

#### **Friction modified**

Provides consistent, reliable, smooth, and trouble free operation of automotive transmission systems.

#### **Exceptionally high oxidation resistance**

Resistant to oil degradation and keeps automatic transmissions clean. Maintains performance in older transmissions and the long service life in may import transmissions.

#### **Excellent shear-stability**

A special 'VI' improver minimizes the changes in viscosity with operating temperature and viscosity loss with use. This provides a constant viscosity used by many 2005 and later vehicles as well as imports and some domestic vehicles currently and provides the stability needed in many older vehicles.

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

Long component life and protection of gears as vehicles age.

#### **Seal Swell**

Contains seal swell agents to maintain seals that have aged for proper performance in transmissions that are seeing their first or even second or more ATF changes.

#### **Low temperature performance**

Excellent oil fluidity at low temperatures helps provide proper shift feel and operation at first start up and when cold.

### **MAIN APPLICATIONS**

- Passenger car automatic transmissions
- Commercial vehicle transmissions and hydraulics
- Power steering units

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

Ford - Approved MERCON® LV (MLV210914, MLV210915)

General Motors - Approved DEXRON® -VI

JASO 1-A-LV

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.

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## TYPICAL PHYSICAL CHARACTERISTICS

Properties			Method	Pennzoil Platinum™ LV Multi-Vehicle ATF
Brookfield Viscosity	@-40°C	mPa.s	ASTM D2983	10 000
Kinematic Viscosity	@100°C	mm <sup>2</sup> /s	ASTM D445	5.9
Density	@15°C	kg/m <sup>3</sup>	ASTM D1298	850
Flash Point (COC)		°C	ASTM D92	190

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 Platinum™ LV Multi-Vehicle ATF 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 Safety Data Sheet (SDS) 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 Helpdesk.

## Applications

General Motors DEXRON® VI, Ford MERCON LV, Toyota WS, Nissan Matic S, Hyundai/Kia SP-IV/SP-IVM are among these applications. A wider list of applications includes:
GM DEXRON® -VI <sup>1</sup> and all earlier GM DEXRON® ATF passenger car requirements
All requirements using Ford MERCON® LV ATF <sup>2</sup>
Chrysler SP-IV M ATF
JASO 1-A-LV <sup>3</sup> for many Japanese and Asian automatic transmissions service fill (except CVT and DCT) and where these ATFs are specified such as power steering systems, some manual transmissions and some transfer cases:
Toyota WS/Aisin JWS 3324 service fill needs
Nissan Matic S, K and J service fill needs
Honda ATF DW-1, not for 9 speed transmissions (Honda or Acura ATF 3.0 or ATF 3.1)
Hyundai and Kia ATF needs except the 8 speed SPH-IV RR applications
Mitsubishi ATF service fill needs
Mazda ATF service fill needs
Suzuki ATF service fill needs
Subaru ATF service fill needs
Isuzu ATF requirements
European vehicles using Aisin Warner JWS 3324 grade ATF, General Motors DEXRON® -VI/DEXRON® -III/DEXRON® -II/DEXRON® ATF and as covered above.
Including some Volvo, Mini, BMW, Saab, Porsche, Fiat, and Jaguar/Land Rover ATF applications
Always consult vehicle service information for the proper lubricant before changing vehicle fluids.

<sup>1</sup> GM DEXRON®-VI Approval (License No. J-60182)

<sup>2</sup> Ford MERCON® LV Approval (License Nos. MLV 140601, MLV 140602, MLV 140603)

<sup>3</sup> JASO 1-A-LV service fill requirements with a lower viscosity for many newer Japanese and Asian vehicles, many

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are backward compatible to older generation ATFs

### **Application Exceptions**

1) ALWAYS VERIFY VEHICLE SERVICE LUBRICATION REQUIREMENTS BEFORE ANY SERVICE FOR THE CORRECT FLUID REQUIREMENTS.

2) Pennzoil Platinum™ LV Multi-Vehicle ATF should not be used where Ford Type F fluids are recommended; check application manual if the vehicle is one of the following: Datsun/Nissan pre 1971, Lincoln pre 1978, Ford/Mercury pre 1981, Toyota pre 1983, Volvo pre 1985, Mazda pre 1986, Saab pre 1993.

3) DO NOT USE IN CVT OR DCT TRANSMISSIONS UNLESS SPECIFICALLY ALLOWED BY THE VEHICLE MANUFACTURER.

4) Pennzoil Platinum™ LV Multi-Vehicle ATF is not recommended for Hyundai SPH-IV RR, Chrysler ZF 8 and 9 speed ATF, other ZF 8 and 9-speed ATFs (in a number of European cars), newer Daimler transmissions (ATF 134 or later MB approval 236.12, 236.14, 236.15, or 236.17), General Motors and Ford (MERCON® ULV) 9 and 10 speed ATFs, and other specialty transmissions where a very low viscosity ATF is recommended.

DEXRON is a registered trademark of General Motors Corporation. MERCON is a registered trademark of Ford Motor Company.