

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 medium 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 minimises 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
- Heavy duty automatic transmissions
- Power steering units

SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

Ford - Approved MERCON® LV

General Motors -Approved DEXRON®-VI

JASO 1-A

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 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
Kinematic Viscosity	@-40°C	mPa.s	ASTM D2983	10 000
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	6.2
Density	@15°C	kg/m ³	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 Material Safety Data Sheet (MSDS), which can be obtained from 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.

Applications

Pennzoil Platinum™ LV Multi-Vehicle ATF can be used in applications calling for GM DEXRON® -VI and all earlier GM ATF passenger car requirements
All requirements using Ford MERCON® LV
Chrysler AS 68 RC ATF
JASO 1-A for Most Japanese and Asian automatic transmissions service fill (except CVT and DCT) and where ATF is specified such as power steering systems, some manual transmissions and some transfer cases:
All Toyota service fill needs
All Nissan Matic service fill needs
All Honda service fill needs
Hyundai and Kia ATF needs except the 8 speed SPH-IV RR applications
All Mitsubishi service fill needs
Mazda service fill needs
All Suzuki service fill needs
All Subaru service fill needs
Isuzu ATF requirements
European vehicles using Aisin Warner, General Motors/Allison and Hyundai transmissions, Volvo, Mini, some BMW, Saab, some Porsche, some Fiat, some Jaguar/Land Rover
Mercedes-Benz applications using ATFs as listed in 236.1 through 236.10
Other vehicles and applications calling for one of these ATFs.

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Application Exceptions

1) Pennzoil Platinum™ LV Multi-Vehicle ATF should not be used where 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.

2) Pennzoil Platinum™ LV Multi-Vehicle ATF should not be used in Continuous Variable Transmissions (CVTs) or Double Clutch Transmissions (DCTs) unless the transmission requires one of these specific OEM grades or equivalent fluid applications.

3) 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 236.16) and other specialty transmissions where a very low viscosity ATF is recommended.

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