

# PENNZOIL<sup>®</sup> HIGH MILEAGE VEHICLE<sup>™</sup> 5W-30 MOTOR OIL

## TECHNICAL DATA SHEET



PENNZOIL<sup>®</sup> HIGH MILEAGE VEHICLE<sup>™</sup> MOTOR OIL From the maker of the leading motor oil in America, an advanced proprietary conventional formula with Active Cleansing Agents. Not only helps prevent dirt and contaminants from turning into performance robbing deposits, but also cleans out sludge. What's more, it's specially formulated to help stop leaks from seals and reduced oil consumption in worn engines. Because at Pennzoil<sup>®</sup> we know, a cleaner, well sealed engine is better protected and responsive. It meets or exceeds the engine protection required by API SN and is specially formulated to provide extra protection against the harmful effects of stop-and-go driving and high and low-temperature engine operation.

### PERFORMANCE, FEATURES & BENEFITS

Pennzoil<sup>®</sup> High Mileage Vehicle<sup>™</sup> Motor Oil with Active Cleansing Technology

Cleans out up to 40% of engine sludge in 1st oil change.

Continues to clean in the 2nd oil change<sup>1</sup>

- No leading conventional oil helps keep engines cleaner<sup>2</sup>
- No leading conventional oil provides better wear protection<sup>3</sup>

Helps prevent sludge and other damaging deposits in high mileage engines

Helps clean up high mileage engines by gently lifting sludge deposits off engine surfaces and dissolving them safely into the oil.

- Provides enhanced protection for worn engine parts
- Helps condition engine seals
- Helps prevent engine leaks and oil burn-off

<sup>1</sup> Based on severe sludge clean-up test using SAE 5W-30

<sup>2</sup> Based on Sequence VG sludge test on SAE 5W-30

<sup>3</sup> Based on Sequence IVA wear test on SAE 5W-30

### MAIN APPLICATIONS

Pennzoil<sup>®</sup> High Mileage Vehicle<sup>™</sup> 5W-30 is recommended for use in all vehicles requiring the use of SAE 5W-30 viscosity grade engine oils under all driving conditions.

Pennzoil<sup>®</sup> High Mileage Vehicle<sup>™</sup> 5W-30 can be mixed with other synthetic and mineral oils and is recommended for use in all vehicle applications under all driving conditions.

Always consult your owner's manual for the correct viscosity grade and performance recommendation required for your vehicle.

### SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

Exceeds the requirements of the following industry specifications:

- API SN

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.

# PENNZOIL® HIGH MILEAGE VEHICLE™ 5W-30 MOTOR OIL

## TYPICAL PHYSICAL CHARACTERISTICS

Properties		Method	PENNZOIL® HIGH MILEAGE VEHICLE™ MOTOR OIL
Viscosity Grade		SAE J300	5W-30
Service Category			SN
ILSAC			N/A
ACEA			N/A
Density	kg/m <sup>3</sup>	ASTM D4052	859
Flash Point	°C	ASTM D93	216
Pour Point	°C	ASTM D97	-42
Kinematic Viscosity	@ 40°C cSt	ASTM D445	70.0
Kinematic Viscosity	@ 100°C cSt	ASTM D445	11.7
Viscosity Index		ASTM D2270	159
CCS Viscosity	@-30°C cP	ASTM D5293	5 800
MRV Viscosity	@-35°C cP	ASTM D4684	26 500

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® High Mileage Vehicle™ 5W-30 Motor Oil 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.