

# **PENNZOIL® HIGH MILEAGE™ 10W-30 MOTOR OIL**



## **TECHNICAL DATA SHEET**

PENNZOIL® HIGH MILEAGE™ MOTOR OIL From the maker of the leading motor oil in America, an advanced proprietary conventional formula with Active Cleansing Agents. Helps prevent dirt and contaminants from turning into performance robbing deposits. What's more, its specially formulated to help stop leaks from seals and reduced oil consumption in worn engines. Because at Pennzoil® 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.

Redesigned for modern turbocharged engines - API SN PLUS, API SN-Resource Conserving and all previous categories.

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

Pennzoil® High Mileage™ Motor Oil with Active Cleansing Technology.

No leading conventional oil provides better wear protection.<sup>1</sup>

Helps prevent sludge and other damaging deposits in high mileage engines.

Provides enhanced protection for worn engine parts.

Helps condition engine seals.

Helps prevent engine leaks and oil burn-off.

Protects against low-speed pre-ignition (LSPI) in direct injection turbocharged gasoline engines.<sup>2</sup>

<sup>1</sup> Based on Sequence IVA wear test on SAE 5W-30

<sup>2</sup> Based on ASTM Sequence IX engine test

### **MAIN APPLICATIONS**

Pennzoil® High Mileage™ 10W-30 Motor Oil is recommended for use in all vehicles requiring the use of SAE 10W-30 viscosity grade engine oils under all driving conditions.

Suitable for modern turbocharged engines where low-speed pre-ignition protection is required.

Pennzoil® High Mileage™ 10W-30 Motor Oil 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.

# PENNZOIL® HIGH MILEAGE™ 10W-30 MOTOR OIL

## SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

Exceeds the requirements of the following industry specifications:

- API SN PLUS, API SN-Resource Conserving and all previous categories
- ILSAC GF-5

## TYPICAL PHYSICAL CHARACTERISTICS

Properties			Method	PENNZOIL® HIGH MILEAGE™ 10W-30 MOTOR OIL
Density	kg/m <sup>3</sup>		ASTM D4052	870.6
Flash Point	°C		ASTM D92	231
Flash Point	°C		ASTM D93	211
Kinematic Viscosity	@ 100°C	cSt	ASTM D445	10.72
Kinematic Viscosity	@ 40°C	cSt	ASTM D445	71.62
Viscosity Index			ASTM D2270	138
Pour Point	°C		ASTM D97	-48
CCS Viscosity	@-25°C	cP	ASTM D5293	6 240
MRV Viscosity	@-30°C	cP	ASTM D4684	19 600

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™ 10W-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.

For a full listing of equipment approvals and recommendations, please consult your local Pennzoil Technical Helpdesk.

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.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from <https://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 Pennzoil Lubricants distributor representative or Pennzoil Technical Helpdesk.