

# **PENNZOIL PLATINUM® SAE 5W-20 FULL SYNTHETIC MOTOR OIL** **FULL SYNTHETIC MOTOR OIL - MADE FROM NATURAL GAS**



## **TECHNICAL DATA SHEET**

Pennzoil Platinum® with PurePlus™ Technology is a first of its kind full synthetic motor oil made from natural gas and designed for COMPLETE PROTECTION for top engine performance. Formulated for modern turbocharged engines.

### **Performance, Features & Benefits**

Pennzoil® is the first motor oil made from natural gas, not crude. Our PurePlus® Technology is the revolutionary process that converts pure natural gas into high quality full synthetic base oil, with fewer impurities than traditional base oils made from crude. Pennzoil Platinum® Full Synthetic motor oil is designed to deliver complete engine protection for top engine performance.

Complete Protection:

#### **CLEANER PISTONS**

Keeps pistons up to 45% cleaner than required by the toughest industry standard.<sup>1</sup>

#### **BETTER FUEL ECONOMY**

Drive on average an extra 550 miles per year vs. a dirty engine.<sup>2</sup>

#### **PROTECTS HORSEPOWER**

Helps protect engines from loss of power.

#### **UNSURPASSED WEAR PROTECTION**

No other leading motor oil provides better protection from friction.<sup>3</sup>

1 Based on ILSAC GF-6 and Sequence IIIH piston deposit test using SAE 5W-30.

2 Fuel economy measurements made using CAFÉ cycle under FTP75. Avg of 550 extra miles based on mixed city/highway miles vs dirty engine. Source: fhwa.dot.gov, 2011. Follow OEM recommended oil drain intervals

3 Based on Sequence IVA wear test using SAE 5W-30.

### **Main Applications**

Pennzoil Platinum® SAE 5W-20 with PurePlus™ Technology is recommended for use in all vehicles requiring the use of SAE 5W-20 viscosity grade engine oils under all driving conditions. SAE 5W-20 viscosity grade oils are commonly recommended for use in many new vehicles with modern engine technology for maximum fuel economy and performance.

Pennzoil Platinum® with PurePlus™ Technology can be mixed with other synthetic and mineral oils and is recommended for use in all vehicle applications under all driving conditions.

SAE 5W-20 may not be suitable for use in older engines so always consult your owners manual for the correct viscosity grade and performance recommendation required for your vehicle.

### **Specifications, Approvals & Recommendations**

Meets or exceeds the following OEM requirements:

- Chrysler MS-6395
- Ford WSS-M2C945-A
- Ford WSS M2C945-B1
- General Motors dexos1™ Gen 2 (license D10069GE014)

Exceeds the requirements of the following industry specifications:

- API SP-Resource Conserving and all previous Categories
- API SP
- ILSAC GF-6A and all previous ILSAC Standards

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

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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.

## **Typical Physical Characteristics**

<b>Properties</b>	<b>Method</b>	<b>Pennzoil Platinum® SAE 5W-20 Full Synthetic Motor Oil</b>
<b>Viscosity Grade</b>	SAE J300	5W-20
<b>Service Category</b>		SP-RC
<b>ILSAC</b>		GF-6A
<b>ACEA</b>		A1/B1
<b>Density</b> kg/m <sup>3</sup>	ASTM D4052	837
<b>Flash Point</b> °C	ASTM D93	205
<b>Pour Point</b> °C	ASTM D97	-48
<b>Kinematic Viscosity</b> @ 40°C cSt	ASTM D445	45.9
<b>Kinematic Viscosity</b> @ 100°C cSt	ASTM D445	8.6
<b>Viscosity Index</b>	ASTM D2270	167
<b>CCS Viscosity</b> @-30°C cP	ASTM D5293	6 510
<b>MRV Viscosity</b> @-35°C cP	ASTM D4684	9 300

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® 5W-20 Full Synthetic Motor oil with PurePlus™ Technology 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, 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 Shell or Shell Lubricants distributor representatives or technical helpdesks.