

# **PENNZOIL PLATINUM® 5W-20 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. Redesigned for modern turbocharged engines - API SN PLUS, API SN-Resource Conserving and all previous categories.

## **Performance, Features & Benefits**

PurePlus™ Technology is our patented, revolutionary gas-to-liquid process which converts natural gas into a first-of-its-kind extremely high quality full synthetic base oil. Because our base oil is made from natural gas, it is crystal clear with fewer of the impurities found in crude oil, the start for many other traditional & synthetic motor oils. From that pure, clear base we add our high performance additives to create Pennzoil Platinum® with PurePlus™ Technology, motor oil designed for COMPLETE PROTECTION, without compromise.

### **CLEANER PISTONS**

Keeps pistons up to 50% cleaner than required by the toughest industry standard.<sup>1</sup> Keeps your engine cleaner than any leading synthetic oil.<sup>2</sup>

### **BETTER FUEL ECONOMY**

Drive on average an extra 550 miles vs. a dirty engine.<sup>3</sup>

### **PROTECTS HORSEPOWER**

Helps protect engines from loss of power.

### **UNSURPASSED WEAR PROTECTION**

No other leading motor oil provides better protection from friction.<sup>4</sup>

### **EXCELLENT PERFORMANCE IN EXTREME TEMPERATURES**

Provides faster low temperature oil flow and protects in extreme heat.

<sup>1</sup> Based on ILSAC GF-5 and Sequence IIIH piston deposit test using SAE 5W-30.

<sup>3</sup> Fuel economy measurements made using CAFÉ cycle under FTP75. Avg of 550 extra miles based on mixed city/highway miles and US avg of 13,476 miles driven per year with 4.1% better MPG vs dirty engine. Source: [fhwa.dot.gov](http://fhwa.dot.gov), 2011. Follow OEM recommended oil drain intervals

<sup>4</sup> Based on Sequence IVA wear test using SAE 5W-30.

## **Main Applications**

Pennzoil Platinum® 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**

- Chrysler MS-6395
  - Ford WSS-M2C945-A
  - GM dexos1™ Gen 2 (license D10069GE014)
- Exceeds the requirements of the following industry specifications:
- API SN-Resource Conserving and all previous Categories
  - API SN PLUS

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2 Based on Sequence VG sludge test using SAE 5W-30. Pistons from standard V6 engine in ASTM

Sequence IIIIG test.

- ILSAC GF-5

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

## Typical Physical Characteristics

Properties		Method	Pennzoil Platinum®
SAE Viscosity Grade		SAE J300	5W-20
API Service Category			SN PLUS, SN-Resource Conserving
ILSAC			GF-5
ACEA			A1/B1
Density	kg/m <sup>3</sup>	ASTM D4052	837
Flash Point	°C	ASTM D93	205
Pour Point	°C	ASTM D97	-48
Kinematic Viscosity	@ 40°C cSt	ASTM D445	45.9
Kinematic Viscosity	@ 100°C cSt	ASTM D445	8.6
Viscosity Index		ASTM D2270	167
CCS Viscosity	@-35°C cP	ASTM D5293	6 510
MRV Viscosity	@-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 <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 or Shell Lubricants distributor representatives or technical helpdesks.

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