

PENNZOIL PLATINUM® OW-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.¹ Keeps your engine cleaner than any leading synthetic oil.²

BETTER FUEL ECONOMY

Drive on average an extra 550 miles vs. a dirty engine.³

PROTECTS HORSEPOWER

Helps protect engines from loss of power.

UNSURPASSED WEAR PROTECTION

No other leading motor oil provides better protection from friction.⁴

EXCELLENT PERFORMANCE IN EXTREME TEMPERATURES

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

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

2 Based on Sequence VG sludge test using SAE 5W-30.

3 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,2011. Follow OEM recommended oil drain intervals

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

Main Applications

Pennzoil Platinum® OW-20 with PurePlus™ Technology is recommended for use in all vehicles requiring the use of SAE OW-20 viscosity grade engine oils under all driving conditions. SAE OW-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 OW-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.

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Specifications, Approvals & Recommendations

- Chrysler MS-6395
- GM dexos1™ Gen 2 (license D10068GE014)
- Ford WSS-M2C947-A
- Honda/Acura HTO-06

Exceeds the requirements of the following industry specifications

- API SN-Resource Conserving and all previous Categories
- API SN PLUS
- 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 to look-up the right motor oil recommendation using our oil selector.

Typical Physical Characteristics

| Properties | | Method | Pennzoil Platinum® | |
|---------------------|-------------------|------------|---------------------------------|--------|
| Viscosity Grade | | | 0W-20 | |
| Service Category | | | SN PLUS, SN-Resource Conserving | |
| ILSAC | | | GF-5 | |
| ACEA | | | A1/B1 | |
| Density | kg/m ³ | ASTM D4052 | 836 | |
| Flash Point | °C | ASTM D93 | 204 | |
| Pour Point | °C | ASTM D97 | -48 | |
| Kinematic Viscosity | @ 40°C | cSt | ASTM D445 | 43.4 |
| Kinematic Viscosity | @ 100°C | cSt | ASTM D445 | 8.6 |
| Viscosity Index | | ASTM D2270 | 182 | |
| CCS Viscosity | @-35°C | cP | ASTM D5293 | 5 670 |
| MRV Viscosity | @-40°C | cP | ASTM D4684 | 16 200 |

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® 0W-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 Shell technical helpdesk.