

PENNZOIL PLATINUM[®] EURO 5W-30

FULL SYNTHETIC MOTOR OIL WITH PUREPLUS[™] TECHNOLOGY

TECHNICAL DATA SHEET



Pennzoil Platinum[®] Euro with PurePlus[™] Technology is a first of its kind full synthetic motor oil made from natural gas and designed for COMPLETE PROTECTION.

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[®] Euro with PurePlus[™] Technology, motor oil designed for COMPLETE PROTECTION, without compromise.

CLEANER PISTONS

Helps keep pistons cleaner than required by the toughest industry standard.

BETTER FUEL ECONOMY

Drive on average an extra 550 miles vs. a dirty engine.¹

PROTECTS HORSEPOWER

Helps protect engines from loss of power.

UNSURPASSED WEAR PROTECTION

No other leading motor oil provides better protection from friction.²

EXCELLENT PERFORMANCE IN EXTREME TEMPERATURES

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

¹ 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

² Based on Sequence IVA wear test using SAE 5W-30.

MAIN APPLICATIONS

PENNZOIL PLATINUM[®] EURO SAE 5W-30 FULL SYNTHETIC MOTOR OIL can be used in both passenger car gasoline and light duty diesel applications. It is approved for BMW, Volkswagen, and Mercedes-Benz applications.

PENNZOIL PLATINUM[®] EURO SAE 5W-30 FULL SYNTHETIC MOTOR OIL meets or exceeds the performance requirements of API SL/CF and ACEA A3/B3-10, A3/B4-10.

SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

- BMW LL-01
- MB-Approval 229.3, MB-Approval 229.5, MB-Approval 226.5
- VW 502.00, VW 505.00

Exceeds the requirements of the following industry specifications:

- API SL/CF and all previous categories**
- ACEA A3/B3-10, A3/B4-10

**Meets API SN engine test requirements

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

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.

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TYPICAL PHYSICAL CHARACTERISTICS

| Properties | | Method | PENNZOIL PLATINUM [®] EURO |
|---------------------|-------------------|------------|--|
| Viscosity Grade | | SAE J300 | 5W-30 |
| Service Category | | | SL/CF |
| ILSAC | | | N/A |
| ACEA | | | A3/B3-10, A3/B4-10 |
| Density | kg/m ³ | ASTM D4052 | 841 |
| Flash Point | °C | ASTM D93 | 210 |
| Pour Point | °C | ASTM D97 | -48 |
| Kinematic Viscosity | @ 40°C cSt | ASTM D445 | 71.7 |
| Kinematic Viscosity | @ 100°C cSt | ASTM D445 | 11.9 |
| Viscosity Index | | ASTM D2270 | 163 |
| CCS Viscosity | @-30°C cP | ASTM D5293 | 6 350 |
| MRV Viscosity | @-35°C cP | ASTM D4684 | 17 700 |

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[®] Euro 5W-30 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 Material Safety Data Sheet (MSDS), which can be obtained from 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 representatives or technical help desk.