

PENNZOIL[®] GOLD[™] 0W-20 SYNTHETIC BLEND MOTOR OIL

TECHNICAL DATA SHEET



PENNZOIL[®] GOLD[™] SAE 0W-20 From the maker of America's most trusted motor oil¹, an advanced proprietary synthetic blend formula with Active Cleansing Agents. Utilizes the advances of blended synthetic technology to better prevent dirt and contaminants from turning into performance robbing deposits. And cleans out sludge. Because at Pennzoil[®] we know, a cleaner engine is better protected and responsive. It meets or exceeds the engine protection required by ILSAC GF-5 and is specially formulated to meet the GM dexos1[™] specification.

¹ Based on a survey of licensed drivers conducted by a leading research firm January 2005 - December 2010.

PERFORMANCE, FEATURES & BENEFITS

Pennzoil[®] Gold[™] 0W-20 with active cleansing technology

- Helps clean out sludge lesser oils leave behind.¹
- No leading conventional or synthetic blend oil helps keep engines cleaner.²
- No leading conventional or synthetic blend motor oil provides better wear protection.³
- Better for severe driving conditions than a conventional oil.⁴
- Helps prevent sludge and other damaging deposits.
- Helps clean up engines by gently lifting sludge deposits off engine surfaces and dissolving them safely into the oil.
- Helps keep engines clean, even under temperature extremes.
- Provides proven wear protection.
- Controls high-temperature oxidation and deposits.
- Synthetic base for added oxidation stability, improved volatility and low-temperature properties.
- Low-friction formula helps improve gas mileage compared to higher viscosities or the GF-4 and earlier service categories.

- Enhanced emission system protection compared to GF-4 and earlier service categories.

¹ Based on severe sludge clean-up test using SAE 5W-30

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

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

⁴ Examples of severe driving conditions are stop and go driving, frequent short trips, extreme hot or cold temperatures, extensive idling, driving with heavy loads, or driving in dusty conditions

MAIN APPLICATIONS

Pennzoil[®] GOLD[™] 0W-20 is recommended for use in all vehicles requiring the use of SAE 0W-20 viscosity grade engine oils under all driving conditions.

SAE 0W-20 viscosity grade oils are commonly recommended for use in many new vehicles with modern engine technology for maximum fuel economy and performance.

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

SAE 0W-20 may not be suitable for use in older engines, so always consult your owner's manual for the correct viscosity grade and performance recommendation required for your vehicle.

PENNZOIL® GOLD™ OW-20 SYNTHETIC BLEND MOTOR OIL

SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

- Chrysler MS-6395
- Ford WSS-M2C947-A
- GM dexos1™ (license GB1D0912014)

Exceeds the requirements of the following industry specifications:

- API SN-RC
- ILSAC GF-5

TYPICAL PHYSICAL CHARACTERISTICS

| Properties | | Method | Pennzoil® GOLD™ OW-20 |
|---------------------|-------------------|------------|-----------------------|
| Viscosity Grade | | SAE J300 | OW-20 |
| Service Category | | | SN-RC |
| ILSAC | | | GF-5 |
| ACEA | | | N/A |
| Density | kg/m ³ | ASTM D4052 | 836 |
| Flash Point | °C | ASTM D93 | 203 |
| Pour Point | °C | ASTM D97 | -48 |
| Kinematic Viscosity | @ 40°C cSt | ASTM D445 | 45.0 |
| Kinematic Viscosity | @ 100°C cSt | ASTM D445 | 8.3 |
| Viscosity Index | | ASTM D2270 | 163 |
| CCS Viscosity | @ -35°C cP | ASTM D5293 | 5 380 |
| MRV Viscosity | @ -40°C cP | ASTM D4684 | 17 900 |

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® Gold™ OW-20 Synthetic Blend Motor Oil (SN-GF/5 dexos1) 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 Shell 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.

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 Shell Lubricants distributor representative or Shell Technical Help Desk.