PENNZOIL® 5W-20 MOTOR OIL

TECHNICAL DATA SHEET

PENNZOIL® MOTOR OIL from the maker of the leading motor oil in America, an advanced proprietary conventional formula with Active Cleansing Agents. Not only helps prevent dirt and contaminants from turning into performance robbing deposits, but also 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 provide extra protection against the harmful effects of stop-and-go driving and high and low-temperature engine operation.

PERFORMANCE, FEATURES & BENEFITS

Pennzoil® motor oil with Active Cleansing Technology:

Cleans out up to 40% of engine sludge in 1st oil change.

Continues to clean in the 2nd oil change*

- No leading conventional oil helps keep engines cleaner[1]

No leading conventional oil provides better wear protection[2]

- 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.
- Controls high-temperature oxidation and deposits.
- Provides proven wear protection

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.

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

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

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

MAIN APPLICATIONS

Pennzoil® Conventional 5W-20 is recommended for use in all vehicles requiring the use of SAE 5W-20 viscosity grade engine oils under all driving conditions.

Pennzoil® Conventional 5W-20 can be mixed with other synthetic and mineral oils and is recommended for use in all vehicle applications under all driving conditions.

Always consult your owner's manual for the correct viscosity grade and performance recommendation required for your vehicle.

SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

- Chrysler MS-6395
- Ford WSS-M2C930-A
- Ford WSS-M2C945-A
- GM 6094M

Exceeds the requirements of the following industry specifications:

- API SN-RC
- ILSAC GF-5

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

PENNZOIL® 5W-20 MOTOR OIL

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® Motor Oil
Viscosity Grade			SAE J300	5W-20
Service Category				SN-RC
ILSAC				GF-5
ACEA				N/A
Density		kg/m^3	ASTM D4052	860
Flash Point		^0C	ASTM D93	229
Pour Point		^0C	ASTM D97	-42
Kinematic Viscosity	@40^{0}C	cSt	ASTM D445	49.6
Kinematic Viscosity	@100^{0}C	cSt	ASTM D445	8.5
Viscosity Index			ASTM D2270	150
CCS Viscosity	@-30^{0}C	cP	ASTM D5293	5 200
MRV Viscosity	@-35^{0}C	cP	ASTM D4684	18 000

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® 5W-20 Motor Oil 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 Shell Lubricants distributor representative or Shell Technical Help Desk.