



PENNZOIL[®] GOLD[™] MOTOR OIL

PRODUCT DESCRIPTION

PENNZOIL[®] GOLD[™] MOTOR OIL From the maker of the leading motor oil in America, 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 provide extra protection against the harmful effects of stop-and-go driving and high and low-temperature engine operation.

APPLICATION

PENNZOIL[®] GOLD[™] MOTOR OIL is suitable for passenger cars, light-duty trucks, vans and sport utility vehicles that are fueled with gasoline including E10 and E85 grades. PENNZOIL[®] GOLD[™] MOTOR OIL meets or exceeds the demanding requirements of International Lubricant Standardization and Approval Committee (ILSAC) GF-5. ILSAC GF-5 comprises the latest industry standard for passenger car, van, light truck and sport utility vehicles (SUV's), and the engine oil service fill requirements of many US and Japanese OEM (original equipment manufacturer). It meets or exceeds the performance requirements of API SN – Resource Conserving Service Classification.

Viscosity recommendations vary according to temperature and engine manufacturer. For many cars (ca 1993 and later), API licensed oils displaying the “starburst” symbol (indicating an ILSAC GF-5, ILSAC GF-4, ILSAC GF-3 or GF-2 requirement), are suitable for a regular oil change(service fill.)

Always consult your owner's manual for the correct viscosity choice and specification grade of oil required. Viscosity recommendations sometimes allow a range of viscosities based on local temperatures. Applications include:

SAE 5W-20 – Many current and recent OEM recommendations including many 2001 and later Ford and Honda, and later Chrysler, Hyundai, Kia, and Toyota applications

SAE 5W-30 – Many of the remaining US and Japanese vehicle recommendations including General Motors, Suzuki, Subaru and Nissan. Often recommended for direct injection engines.

SAE 10W-30 – Several specialty and truck applications for different manufacturers. This was the predominant grade of oil in the mid-1990s and is still recommended for some higher temperature applications.



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FEATURES

Pennzoil[®] Gold[™] Motor oil with active cleansing technology

- Cleans out up to 40% of engine sludge in the 1st oil change plus keeps pistons up to 10% cleaner than the toughest industry standard*
* Based on severe sludge clean-up test and Sequence IIIG test using SAE 5W-30
- No leading conventional or synthetic blend oil helps keep engines cleaner¹.
¹Based on Sequence VG sludge test on SAE 5W-30.
- No leading conventional or synthetic blend motor oil provides better wear protection².
²Based on Sequence IVA wear test on SAE 5W-30.
- Better for severe driving conditions than a conventional oil³.
³Examples 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..

BENEFITS

Pennzoil[®] Gold[™] motor oil with Active Cleansing Agents:

- 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.

SPECIFICATIONS & APPROVALS

- Meets or exceeds API SN Service Classification and the new API SN – Resource Conserving requirements.
- Meets or exceeds the highest U.S. standards for automotive engine wear protection
- Meets many manufacturers' U.S. warranty requirements
- Meets or exceeds ILSAC GF-5, GF-4, GF-3 and GF-2 requirements.
- Meets Ford WSS-M2C930-A and WSS-M2C945-A (SAE 5W-20), and WSS-M2C929-A and WSS-M2C-946-A. (SAE 5W-30)
- Meets Chrysler MS 6395.
- Meets GM 6094M specification.

HEALTH & SAFETY

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Pennzoil[®] representative.

Protect the environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water



Technical Data Sheet

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES PENNZOIL® GOLD™ MOTOR OIL

TEST	METHOD	5W-20	5W-30	10W-30
Pennzoil® GOLD™ MOTOR OIL		5W-20	5W-30	10W-30
SAE Viscosity Grade	SAE J300	5W-20	5W-30	10W-30
API Service Category		SN – RC	SN - RC	SN - RC
ILSAC		GF-5	GF-5	GF-5
Gravity, °API	ASTM D-287	33.7	33.7	32.7
Specific Gravity @ 15.6°C(60°F)	ASTM D-287	0.857	0.857	0.862
Flash Point, °C	ASTM D-93	229	216	221
Pour Point, °C	ASTM D-97	-45	-42	-42
Color	ASTM D-1500	3.0	3.0	3.0
Viscosity				
@ 40°C, cSt	ASTM D-445	47.3	60.4	63.7
@ 100°C, cSt	ASTM D-445	8.4	10.5	10.4
Viscosity Index	ASTM D-2270	155	163	152
CCS Viscosity, cP (°C)	ASTM D-5293	4,660 (-30)	5,000 (-30)	3,800 (-25)
MRV Viscosity, cP (°C)	ASTM D-4684	14,400 (-35)	19,400 (-35)	12,000 (-30)
HT/HS Viscosity, cP	ASTM D-4683	2.6	3.0	3.1
Noack volatility, %	ASTM D-5800	13.4	13.0	12.2

These characteristics are typical of current production. While future production will conform to Pennzoil's specification, variations in these characteristics may occur. The information contained herein is subject to change without notice.