

Pennzoil® Advanced Protection Multi-grade Motor Oil 10W-30

Product Description

Pennzoil® Advanced Protection Motor Oil 10W-30 delivers better engine protection than is required by ILSAC GF-4 or API SM 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® Advanced Protection Motor Oil 10W-30 is recommended for passenger cars, light-duty trucks, vans and sport utility vehicles that are fueled with gasoline (including turbocharged). Pennzoil® Advanced Protection Motor Oil 10W-30 exceed the demanding requirements of International Lubricant Standardization and Approval Committee (ILSAC) GF-4. ILSAC GF-4 comprises the latest standard for passenger car, van, light truck and sport utility vehicles (SUV's) engine oils.

It surpasses the performance requirements of API SM Service Classification.

Viscosity recommendations vary according to temperature and engine manufacturer. For most new cars (ca 1993 and later), API Certified oils displaying the "starburst" symbol (indicating an ILSAC GF-4, ILSAC GF-3 or GF-2 requirement) are recommended. Pennzoil® Advanced Protection Motor Oil grades also meets the GM 6094M SAE 10W-30 specification. Always consult your owner's manual for the correct viscosity choice.

Benefits

- Specially formulated for stop and go driving
- Keeps you engine clean for long service
- Resists breakdown for high temperature performance
- Low-friction formula helps improve gas mileage
- Exceeds the highest U.S. standards for automotive engine wear protection
- Protects engines under severe driving conditions and prolongs engine life
- Exceeds API SM Service Classification (all grades)
- Exceeds manufacturers' U.S. warranty requirements
- Meets and exceeds ILSAC GF-4, GF 3 and GF 2 requirements
- Meets DaimlerChrysler DC 6395
- Meets GM 6094M specification

These characteristics are typical of current production. future production will conform to Pennzoil's specification, minor variations in these characteristics may occur.



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Pennzoil Technical Data Sheet

Typical Physical and Chemical Properties

Pennzoil® Advanced Protection Motor Oil 10W-30

Test	Method	Typical Results
SAE Viscosity Grade	SAE J300	10W-30
API Service		SM
ILSAC		GF-4
Gravity, °API	ASTMD-287	0.3
Specific Gravity @		
15.6°C(60°F)	ASTM D-287	0.872
Flash Point, °C	ASTMD-93	221
Pour Point, °C	ASTMD-97	-30
Color	ASTM D-1500	2.5
Viscosity		
@ 40°C, cSt	ASTM D-445	69.7
@ 100°C, cSt	ASTM D-445	10.53
Viscosity Index	ASTM D-2270	135
CCS Viscosity, cP (°C)	ASTM D-5293	6,170 (-25)
MRV Viscosity, cP (°C)	ASTM D-4684	15,400 (-30)
HT/HS Viscosity, cP	ASTM D-4683	3.1
Noack Volatility, %	ASTM D-5800	13.7

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