



PRODUCT INFORMATION & DATA SHEET

PRINCE® M1 SAE 15W-40

The Top Grade Mineral Motor Oil.

PRINCE® M1 SAE 15W-40 is a high-performance mineral lubricants that has been formulated with highest quality base stocks and fortified with advanced additive technology to meet the latest industry standards and performance requirement. The useful additive package consists of excellent friction modifier that helps to improve fuel economy, enhance mechanical efficiency and metal-to-metal wear protection.

This product also features very good thermal and oxidation stability which contribute in significantly minimize oil deterioration to ensures the lubricant to 'stay-in-grade' during the designed recommended oil drain interval, as well as reduce harmful sludge and deposits formation. In return a better engine durability and save on maintenance costs.

This motor oil meets the performance standards of following specifications:

API SN/CF, MB 229.1, VW 501.00/505.00

Some of the benefits of using this motor oil:

- A high-performance mineral lubricant that has been engineered to meet the stringent API SN performance standard.
- Cleaning agents effectively maintain engine cleanliness and prevent performance loss due to excessive deposits build-up.
- Contains additive and inhibitor package designed to protect against contamination, varnish, corrosion and rust.
- Excellent lubricity at low and high-temperature operating conditions, ensures good lubricant flow at cold-start and cold region.
- Good aging and oxidation stability allows minimum oil degradation and deterioration to maintain lubricant performance.
- Low evaporation loss characteristic of this motor oil helps to reduce oil consumption, maintain desire oil pressure level.
- Outstanding frictional properties tuned to minimize metal-to-metal friction and reduce wear damage, prolong engine life.
- Tested safe on turbochargers, catalytic converters and seals.

Areas of application

Well-suited for application in passenger cars, sport utility vehicles (SUVs), light commercial trucks powered by gasoline, diesel, liquefied petroleum gas, natural gas that required using a high-performance mineral motor oil. This motor oil is backward compatible with all previous API specifications.

Suitable to use with natural aspirated, supercharged, turbocharged, fuel direct injection engines that required the viscosity grade of this motor oil. Tested safe to use on turbochargers and catalytic converters.

Typical properties

SAE Viscosity		15W-40
Viscosity Index (VI)	ASTM D2270	145
Viscosity at 100 °C; mm ² /s	ASTM D445	14.4
Viscosity at 40 °C; mm ² /s	ASTM D445	102.3
Density at 15 °C; kg/m ³	ASTM D4052	876.0
CCS Viscosity at -30 °C, mPa*s	ASTM D5293	5200
Flash Point; °C, open cup	ASTM D92	234
Pour Point; °C	ASTM D97	-28
Total Base Number	ASTM D2896	7.7

Service recommendations

Follow the service interval and operating instructions of manufacturers. Observe the owner's manual. Recommend to flush before add in new oil. Change oil filter at time of oil change.

Commercially available product compatibility

Our mineral motor oil is compatible with commercially available synthetic, semi-synthetic and other mineral motor oils. Peak performance is guaranteed only upon using alone without mixing with other motor oils.

Product availability

In some countries, PRINCE® M1 has been specified as API SL motor oil. This product may not be available locally. Contact your local distributor.

The information show herein is subject to change without noticed. The product indicated here have been developed by PRINCE LUBRICANTS for use in the areas of applications shown. We reserve all right to alter the characteristics and product properties to align with continually technical development.