

0W-20

Description and Applications

0W-20 is a fully synthetic lubricant enhanced heat controlling ability protects the engine and maximizes its efficiency and power output – reducing fuel consumption and emissions.

0W-20 provides outstanding fuel economy and meets the demanding requirements of modern, high-performance passenger cars. It is formulated with environmentally friendly low SAPS lubricant technology to guarantee maximum compatibility with exhaust gas after treatment systems ensuring its maximum efficiency throughout the entire life of the vehicle.

0W-20 is especially designed for passenger cars using direct injection turbocharged gasoline engines and diesel engines from Daimler (please refer to the owner's manual). It is also suitable for SUVs, light vans and vehicles running on biodiesel that are equipped with exhaust aftertreatment and emission control devices such as diesel particulate filters and catalytic converters; fuel injectors, multi-valves or turbochargers operating under severe conditions.

Benefits

- Ultimate heat management capability to protect the engine from damaging heat and provide appropriate lubrication at extremely low temperatures, maximizing engine efficiency and power output – reducing fuel consumption and emissions
- Ultimate protection against oil thickening caused by the oxidation of the lubricant accelerated by the use of biodiesel fuel. Thanks to its strong oil chains, which helps to maintain stable performance and maximize the efficiency of your engine for the entire drain interval.
- Ultimate resistance to engine sludge formation caused by oil degradation. Effectively controls the formation of sludge throughout the engine, ensuring every part of the engine performs at its maximum efficiency, maximizing power conversion and lowering emissions.
- Ultimate lubrication capability to protect against abnormal wear in the valvetrain and cylinder wall, providing vital defense against engine damage that leads to deterioration in engine performance and increase in emissions.
- Ultimate control of damaging heat to prevent turbocharger and piston deposits, which extends the life of your engine parts, maximizing engine efficiency and delivering maximum performance for longer
- Ultimate piston cleanliness performance by effectively controlling the increase in piston temperature caused by combustion leading to longer engine life and maximizing power output and fuel efficiency

Specifications and Recommendations

Specifications:

- API SP

Meet requirements:

- MB- 229.71; MB- 229.72

Note: Always consult your owner's manual to check for recommended viscosity grade and specifications for your specific vehicle

Typical Physical Data

Parameters	Method	Unit	Typical Value
Appearance	-	-	Bright & Clear
Density @15°C	ASTM D 4052	g/cm ³	0.8451
Kinematic Viscosity @100°C	ASTM D 445	mm ² /s (cSt)	8.6
Viscosity Index	ASTM D 2270	-	186
Flash Point COC	ASTM D 92	°C	235
Sulphated Ash	ASTM D 874	%	0.7
TBN	ASTM D 2896	mgKOH/g	7.7
CCS at -35°C	ASTM D5293	mPa·s	5760
Pour Point	ASTM D97	°C	-54