SPECIFIC 229.52 5W30

DPF SCR

Lubricant for MERCEDES “BlueTEC” engines
Mercedes Diesel engines With SCR and/or DPF
100% Synthetic

TYPE OF USE

Specifically designed for the latest generation of “BlueTEC” Diesel engines with SCR (Selective Catalyst Reduction) from DAIMLER group (Mercedes) requiring an approved Mercedes-Benz MB 229.52 oil meeting Euro 4, 5 or 6 emissions level.
Suitable also for all Mercedes Diesel engines with Diesel Particulate Filter (DPF) and some Gasoline engines requiring an approved MB 229.51 or MB 229.31 lubricant.
For engines requiring a Mercedes-Benz MB 229.5 lubricant, use only MB 229.5 approved product such as MOTUL 8100 X-cess 5W-40 or MOTUL 8100 X-max 0W-40.
Before use, always refer to the vehicle owner’s manual.

PERFORMANCES

STANDARDS	ACEA C3
	API PERFORMANCE SN / CF
PERFORMANCES	MERCEDES-BENZ MB-Approval 229.52

MERCEDES has developed MB 229.52 standard for oils able to endure the most severe thermal constrains along with most modern after treatment systems compatibility. The MB 229.52 standard applies to all MERCEDES vehicles equipped with “BlueTEC” Diesel engines fitted with SCR (Selective Catalyst Reduction) allowing NOx treatment through the use of AdBlue® additive or so-called “Diesel exhaust fluid”.
MB 229.52 specification is also fully backward compatible with MB 229.51 and MB 229.31 specifications for all Mercedes Diesel engines with DPF and some Gasoline engines.
The exclusive technology of reduced Sulfated Ash levels and reduced Phosphorous and Sulfur contents protects and extends lifetime of after treatment systems such as SCR (Selective Catalyst Reduction) and Diesel Particulate Filter (DPF).
The 100% Synthetic base stock provides a high thermal stability and insures an exceptional resistance at high temperatures. Prevents from varnish and sludge to maintain engine cleanliness. Lower the risk of ring sticking.
Maximum protection and performance of the lubricant preserved even in the most severe conditions.
Low volatility for a reduced oil consumption and outstanding oxidation resistance of the oil to ensure extended oil drain intervals set by the carmaker.
Meets perfectly the highest demands of performance and durability validated by extensive testing.
Compared to other standards already very demanding such as MB 229.51, for its MB 229.52 standard, Mercedes requires oils able to cope with the most stringent oxidation resistance and thermal stresses and to be compatible with their after-

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development.
Product specifications are definitive from the order which is subject to our general conditions of sale and warranty. Made in FRANCE

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treatment systems.

MB 229.52 standard also requires improved cold flow properties to reduce hydrodynamic friction of the oil, in order to obtain fuel economy especially when the oil is cold. This extra requirement for cold flow properties allows excellent oil flow at start up, faster oil pressure build up, faster revs raisings and faster operating temperature reach. This type of lubricant allows fuel consumption reduction and therefore reduces greenhouse gases (CO_2) emissions.

RECOMMENDATIONS

Drain interval: refer to manufacturer’s recommendations and tune to your own use.
Do not mix with non MB 229.52 approved oils.
When in doubt, always refer to the vehicle owner’s manual.

PROPERTIES

Viscosity grade	SAE J 300	5W-30
Density at 20°C (68°F)	ASTM D1298	0.851
Viscosity at 40°C (104°F)	ASTM D445	73.3 mm²/s
Viscosity at 100°C (212°F)	ASTM D445	12.2 mm²/s
HTHS viscosity at 150°C (302°F)	ASTM D4741	3.5 mPa.s
Viscosity Index	ASTM D2270	164.0
Pour point	ASTM D97	-42.0 °C / -43.6 °F
Flash point	ASTM D92	234.0 °C / 453.2 °F
Sulfated Ash	ASTM D874	0.77 % weight
TBN	ASTM D2896	7.1 mg KOH/g

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