



SPECIFIC 229.51

5W-30



MERCEDES Gasoline and Diesel engine oil

Approved MB 229.51

100% Synthetic

TYPE OF USE

Specifically designed for MERCEDES-BENZ recent cars fitted with EURO IV and EURO V engines requiring "Mid SAPS" lubricants : low Sulfur (< 0.2%), low Phosphorus (< 0.08%) and low Sulfated Ashes (<0.8%) contents and approved MB 229.51.

The specification MB 229.51 applies to some MERCEDES Gasoline engines, and to all MERCEDES Diesel engines, with or without DPF.

Before use always refer to the owner manual or handbook of the vehicle.

PERFORMANCES

STANDARDS ACEA C3 - API SM/CF

APPROVALS **MB-Approval 229.51**

Engines compliant with EURO IV and EURO V emission regulation are fitted with sensitive exhaust gas after treatment systems. Indeed, Sulfur and Phosphorus inhibit catalytic converters operation leading to inefficient exhaust gas treatment; and Sulfated Ashes clog DPFs (Diesel Particulate Filter) leading to shorten regenerating cycle, quick oil aging, higher fuel consumption and engine power loss.

The MB 229.51 standard requires among many other severe constrains from the lubricant a reduced content of Sulfated Ash, Phosphorus and Sulfur in order to be compatible with MERCEDES exhaust gas after treatment systems. The specification MB 229.51 applies to some MERCEDES Gasoline engines, and to all MERCEDES Diesel engines, with or without DPF. This type of oil allows reaching flexible drain intervals managed by vehicles on-board computer.

RECOMMENDATION

Drain interval : refer to manufacturers' recommendations and tune to your own use.

Do not mix with lubricants not MB 229.51 compliant.

Before use always refer to the owner manual or handbook of the vehicle.

PROPERTIES

Viscosity grade	SAE J 300	5W-30
Density at 20°C (68°F)	ASTM D1298	0.848
Viscosity at 40°C (104°F)	ASTM D445	72.6 mm ² /s
Viscosity at 100°C (212°F)	ASTM D445	12.1 mm ² /s
Viscosity at 150°C (302°F)	ASTM D4741	3.5 mPa.s
Viscosity index	ASTM D2270	164
Pour point	ASTM D97	-39°C / -38°F
Flash point	ASTM D92	234°C / 453°F
Sulfated ash	ASTM D874	0.8% weight
TBN	ASTM D2896	8.0 mg KOH/g

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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