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Nutzfahrzeuge

Product data sheet

LongLife IV FE 0W-20

G S60 577

Engine oil fulfils many functions in petrol and diesel engines such as lubrication, cooling, cleaning, corrosion protection and sealing. Additionally oil is required for the correct operation of products using hydrostatic bearings, such as turbochargers.

Generally there is a fixed service interval of up to one year or 15 000 km for an engine oil change. Vehicles with a flexible LongLife Service benefit from a prolonged interval of up to two years or 30 000 km.

Description

LongLife IV FE is a Fuel Economy engine oil of the latest generation for fuel efficient petrol and diesel engines with particulate filters. From model year 2021 onwards the use of VW 508.00 /509.00 0W-20 is mandatory for all vehicles, which have been filled with this specification in the factory fill. This regulation is independent from the country individual service interval. This oil exhibits particularly low ash content as well as due to reduced high-temperature viscosity (HTHS), they feature particularly fuel-saving properties. The oil is colored with a green marker, because it is not backwards compatible and can be used only with approved engines. The corresponding service tables have to be respected.

Benefits

LongLife IV exhibits the following positive characteristics:

- Reduced ash content
- Fuel-efficient attributes
- Reduced high-temperature viscosity
- High cleanness of the injection zone of direct-injection petrol and diesel engines
- Prolonged the engine oil change intervals
- High thermal resistance
- Low pumping work
- Optimised soot bearing capacity
- Suitable as an all year-round oil
- Green color for identification

Usage

This all year-round engine oil is suitable for petrol engines as well as diesel engines that depend on the specifications VW 508 00 / 509 00 according to the service table. The official approval was given by the Volkswagen central laboratory, so that all requirements of the VW standards are fulfilled.



Standards and Norms

VW 508 00/ 509 00

SAE 0W-20

Porsche C20

Specification	Lowest pumping temperature acc. to SAE J 300	Min. viscosity at 100 °C
SAE 0W-20	-35°C V ≤ 6200 mPa × s	7,8 mm ² /s

Typical specific values

Parameter	Test Standard	Unit	Result for LongLife IV FE 0W-20
Density at 15°C, relative humidity	ASTM D4052	g/ml	0,832
Viscosity, Kinematical 100°C	ASTM D445	mm ² /s	7,8
Viscosity, Kinematical 40°C	ASTM D445	mm ² /s	35 - 41
Viscosity, CCS -30°C (5W)	ASTM D5293	mPa s (cP)	4500
Viscosity, HTHS 150°C	CEC L-36-A90	mPa s (cP)	2,6
Viscosity index	ASTM D2270	None	160
Flash point, PMCC	ASTM D93	°C	228
Sulphated ash	DIN 51575	% wt	<0,8
Pour Point	ASTM D5950	°C	-42

Storage

In case of un-opened original package, there exist temperature storage guidelines from the oil producer of -20°C to +50°C, with a sell by date of 48 months from the date of production.

Barrels of oil have to be insulated against freezing and protected from water ingress.

Assortment

G S60 577 M2	1 litre bottle
G S60 577 M4	5 litres can
G S60 577 M6	55 litres barrel
G S60 577 M9	209 litres barrel
G S60 577 S9	1.000 litres IBC
G S60 577 S1	1 litre bulk