



Nutzfahrzeuge

Product data sheet**LongLife III FE 0W-30****G S55 545**

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 III FE is a high performance engine oil for modern petrol and diesel engines with a particulate filter (except R5/V10-TDI before the model year 2006). From model year 2021 onwards the use of VW 504.00 /507.00 0W-30 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 fuel-efficient characteristics. It ensures the durability of the after-treatment of exhaust gases, especially of the diesel particulate filter systems (DPF) without the support of regeneration by using fuel additives.

Benefits

LongLife III FE exhibits the following positive characteristics:

- Reduced ash content
- Fuel-efficient attributes
- High cleanness of the injection zone of direct-injection Otto 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

Usage

This all year-round engine oil is suitable for Otto engines as well as diesel engines that depend on the specification VW 504.00 / 507.00 according to the vehicles manual. The official approval was given by the Volkswagen central laboratory, so that all requirements of the VW standards are fulfilled.

Standards and Norms



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VW 504 00/ 507 00

Porsche C30

Specification	Lowest pumping temperature acc. to SAE J 300	Min. viscosity at 100 °C
SAE 0W-30	-35 °C V ≤ 6 200 mPa × s	9,3 mm²/s

Volkswagen Genuine LongLife III FE with the specification VW 504.00/507.00 is backward compatible with all previous specifications. It is recommended that oils meeting specifications EN 228 for petrol and EN 590 for diesel or comparable standards are used.

Petrol engine: VW 502.00 / 503.00 / 503.01

Diesel engine: VW 505.00 / 505.01 / 506.00 / 506.01

Excluded are the R5 and V10 TDI engines as fitted to models built before 2006. For these engines it is mandatory to use the Volkswagen Genuine LongLife II oil with the specification VW 505.00/506.01. And PHEV and CNG vehicles which require the VW 502.00 per Service Plan.

Typical specific values

Parameter	Test Standard	Unit	Result for LongLife III FE 0W-30
Density at 15°C, relative humidity	ASTM D4052	g/ml	0,838
Viscosity, Kinematical 100°C	ASTM D445	mm²/s	11,9
Viscosity, Kinematical 40°C	ASTM D445	mm²/s	58,7
Viscosity, CCS -30°C (5W)	ASTM D5293	mPa s (cP)	5900
Viscosity, HTHS 150°C	CEC L-36-A90	mPa s (cP)	3,5
Viscosity index	ASTM D2270	None	204
Flash point, PMCC	ASTM D92	°C	226
Sulphated ash	DIN 51575	% wt	<1,5
Pour Point	ASTM D5950	°C	-51

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 S55 545 M2	1 litre bottle
G S55 545 M4	5 litres can
G S55 545 M6	55 litres barrel
G S55 545 M9	209 litres barrel
G S55 545 S9	1.000 litres IBC
G S55 545 S1	1 litre bulk