



Product data sheet

Special G 5W-40

G S55 502

Engine oil fulfils many functions in petrol 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.

Description

Special G is an advanced engine oil for modern petrol engines without a particulate filter and is mandatory for vehicles with a standard Service plan. This oil exhibits particularly robust characteristics under extreme conditions. It ensures the durability of Volkswagen Group engines, especially by the high thermal resistance and the low pumping work.

Benefits

Special G exhibits the following positive characteristics:

- Applicable for direct-injection and charging
- High cleanness of the injection zone of direct-injection Otto engines
- Established under extreme conditions
- High thermal resistance
- Low pumping work
- Suitable as an all year-round oil

Usage

This all year-round engine oil is suitable for petrol engines that depend on the specification VW 502.00 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



VW 502 00/ 505 00

SAE 5W-40

Specification	Lowest pumping temperature acc. to SAE J 300	Min. viscosity at 100 °C
SAE 5W-40	-30 °C V ≤ 6600 mPa × s	12,5 mm ² /s

Typical specific values

Parameter	Test Standard	Unit	Result for Special G 5W-40
Density at 15°C, relative humidity	ASTM D4052	g/ml	0,841
Viscosity, Kinematical 100°C	ASTM D445	mm ² /s	14,7
Viscosity, Kinematical 40°C	ASTM D445	mm ² /s	89,5
Viscosity, CCS -30°C (5W)	ASTM D5293	mPa s (cP)	5471
Viscosity, HTHS 150°C	CEC L-36-A90	mPa s (cP)	3,8
Viscosity index	ASTM D2270	None	174
Flash point, PMCC	ASTM D92	°C	232
Sulphated ash	DIN 51575	% wt	1,1 – 1,5
Pour Point	ASTM D97	°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 502 M2	1 litre bottle
G S55 502 M4	5 litres can
G S55 502 M6	55 litres barrel
G S55 502 M9	209 litres barrel
G S55 502 S9	1.000 litres IBC
G S55 502 S1	1 litre bulk