

## Q8 Formula Excel Long Life 5W-40

Synthetic ACEA A3/B4 2021 passenger car engine oil

### Description

Q8 Formula Excel Long Life 5W-40 is an allround high SAPS high-performance engine oil for passenger cars and light duty commercial vehicles. The lubricant guarantees advanced engine protection, and presents optimum cold weather starting properties. It is designed to counter sludge formation and meets the ACEA A3/B4 2021 specification.

### Applications

Q8 Formula Excel Long Life 5W-40 is developed for passenger cars and vans with normally aspirated or turbocharged gasoline, LPG or (direct injection) diesel engines. It is especially recommended for high performance, multi-valve engines with a catalyst. This versatile oil is an all season product that is suitable for different driving conditions. Especially recommended for Mercedes-Benz.

### Benefits

- Outstanding oil film strength under all engine operating conditions.
- Outstanding engine protection after cold starting.
- Excellent protection against rust and corrosion.
- Outstanding friction reduction.

### Specifications, recommendations and approvals

<b>ACEA</b>	A3/B4	<b>PSA</b>	B71 2296
<b>API</b>	CF	<b>Porsche</b>	A40
<b>API</b>	SN	<b>Renault</b>	RN 0700
<b>BMW</b>	Longlife-01	<b>Renault</b>	RN 0710
<b>GM</b>	LL-B-025	<b>VAG</b>	<b>VW 502.00</b>
<b>MB</b>	229.3	<b>VAG</b>	<b>VW 505.00</b>
<b>MB</b>	<b>229.5</b>		

Color code blue = officially approved

### Properties

	Method	Unit	Typical
Density, 15 °C	D 4052	g/ml	0,85
Viscosity Grade	-	-	SAE 5W-40
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	81.9
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	13.9
Viscosity Index	D 2270	-	176
Viscosity at high temp. & high shear rate (HTHS)	CEC-L-36-A-90	mPa.s	>=3.5
Pour Point	D 97	°C	-39
Flash Point, P-M	D 93	°C	221
Borderline Pumping Temperature	D 3829	°C	-35
Apparent Viscosity, -30 °C	D 5293	mPa.s	6600

The figures above are not a specification. They are typical figures obtained within production tolerances.