

# Q8 Formula Excel Long Life 5W-40

## Description

Superior Performance Synthetic Engine Oil

## Application

- High performance synthetic engine oil for passenger cars and vans with normally aspirated or turbocharged gasoline, LPG or diesel engines and direct injection diesel engines.
- Specially recommended for high performance, multi-valve engines with catalyst.

## Specifications

ACEA A3/B4  
API SN/CF

## OEM Approvals

MB Approval 229.5

## Recommendations

GM LL-025B  
VW 502.00/505.00  
Renault RN 0700, RN 0710  
Porsche Oil Category A40  
BMW Longlife-01

## Benefits

- Synthetic year round engine lubricant
- Contains friction reducing components
- Excellent engine protection after cold starting
- Reduces fuel consumption
- Excellent cold weather starting
- Offers high oil film strength and thus limiting engine wear
- Excellent engine performance at different driving conditions
- Good protection against rust and corrosion
- Prevents formation of black sludge
- Low volatility by use of synthetic base oils provides minimized oil consumption
- Reduced environmental impact
- Catalyst friendly lubricant

Properties	Method	Unit	Typical
Viscosity Grade			SAE 5W-40
Absolute Density, 15 °C	D 4052	kg/m <sup>3</sup>	850
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	13.9
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	81.9
Viscosity Index	D 2270		176
Borderline Pumping Temperature	D 3829	°C	-35
Pour Point	D 97	°C	-39
Flash Point	D 93	°C	221
Viscosity at high temp. & high shear rate	CEC-L-36-A-90	mPa.s	>=3.5

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

