Q8 Mahler R SAE 40

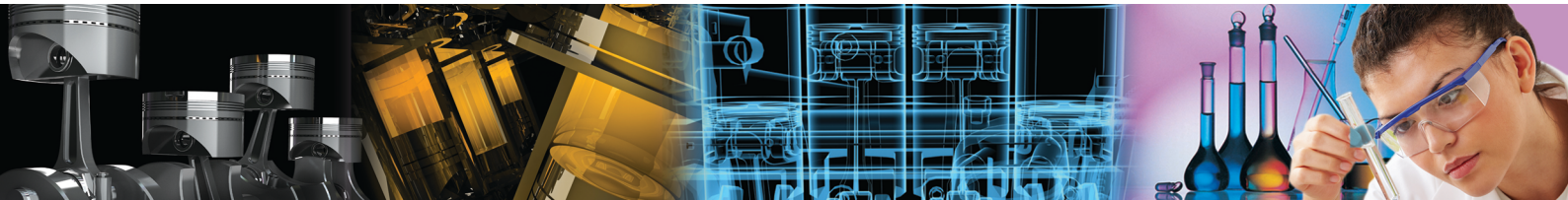
Description
Synthetic based, high performance medium ash gas engine oil

Recommendations
- Increased demands for lower emissions and higher efficiency in today's gas engines require more oxidation stable engine oils, capable of controlling liner cleanliness and oil consumption at increased liner and piston ring temperatures. Q8 Mahler R 40 has been specifically developed to satisfy these needs
- Q8 Mahler R 40 is recommended for turbocharged smaller direct spark ignited high speed gas engines, as well as large medium speed pre-chamber gas engines running on natural gas

Specifications
- Officially approved by:
- Rolls-Royce, K-type engines

- Exceeds the requirements of a wide range of equipment manufacturers and is recommended for use in:
- Rolls-Royce, GE Waukesha, GE Jenbacher, Caterpillar Energy Solutions (CAT and MWM engines), Deutz, Guascor Power, MAN Truck & Bus, MTU Onsite Energy, Perkins, Liebherr, 2G and Cummins

Benefits
- Reduced oil consumption
- Reduced engine knock problems
- Less deposits in heat exchangers
- Easier starting, especially if the engine is cold
- Long service life due to a high oxidation resistance of Group III base oil
- Good detergency secures clean engine components
- Good resistance against nitration
- Protects against valve seat recession
- Good acid neutralising capacities
- Protects against rust and corrosion

Properties	Method	Unit	Typical
Viscosity Grade			SAE 40
Absolute Density, 15 °C	D 4052	kg/m³	858
Kinematic Viscosity, 40 °C	D 445	mm²/s	87.1
Kinematic Viscosity, 100 °C	D 445	mm²/s	12.7
Viscosity Index	D 2270	-	143
Sulphated Ash	D 874	% mass	0.55
Flash Point, COC	D 92	°C	245
Total Base Number	D 2896	mg KOH/g	7.0
Copper corrosion	D 130	classification	1

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