Q8 Mahler G5 SAE 40

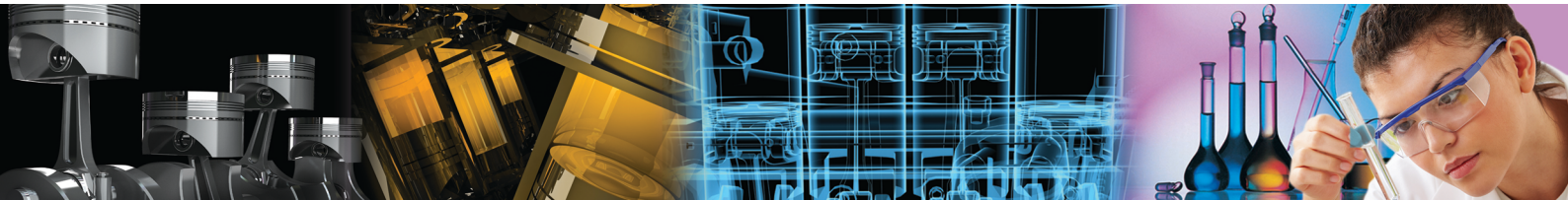
Description
Medium ash gas engine oil

Recommendations
- Gas engine oil for application with natural gas, operating at mild to severe conditions.
- Q8 Mahler G5 was specifically developed with a low deposit tendency and a high resistance against pre-ignition or knocking.
- Q8 Mahler G5 is specifically designed for high pressure gas engines (BMEP: 22 Bar or above), but is also suitable for gas engines with a lower BMEP.
- Q8 Mahler G5 can also be used to lubricate reciprocating compressors in which natural gas is compressed and pressures do not exceed 10.000 kPa. Using Q8 Mahler G5 in both the gas engine and the gas compressor will simplify the lubricant inventory.

Specifications
- Officially approved by:
- GE Jenbacher 2, 3, 4 (type B) and 6 (type C + E) series operating on fuel class B (biogas) and C (landfill gas)
- GE Jenbacher 4 (type B) & 6 (type C + E) series operating on fuel class A (natural gas) and B (biogas)
- GE Jenbacher 6 (type F and up) series operating on fuel class A (natural gas)
- GE Jenbacher operating with catalyst
- Caterpillar Energy Solutions GmbH, CG132, CG170 and CG260 engines operating on all gas types
- Caterpillar Energy Solutions GmbH (prev. MWM GmbH), all MWM gas engines operating on all gas types.
- Deutz AG, 913, 914 and 2015 series engines

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

Benefits
- Low deposit tendency
- Good resistance against pre-ignition
- Long service life due to a high oxidation resistance
- 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 1298	kg/m³	889
Kinematic Viscosity, 40 °C	D 445	mm²/s	117
Kinematic Viscosity, 100 °C	D 445	mm²/s	13.1
Viscosity Index	D 2270	-	106
Sulfated Ash	D 874	% mass	0.5
Flash Point, P-M	D 93	°C	252
Pour Point	D 97	°C	-12
Total Base Number	D 2896	mg KOH/g	6.0
Copper corrosion	D 130	classification	1

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