

# Q8 Mahler G8 SAE 40

### Description

High/medium ash gas engine oil

### Recommendations

- Gas engine oil which is suitable for a wide variety of gasses (natural gas, biogas and landfill gas) operating at mild to severe conditions.
- Q8 Mahler G8 was specifically developed with a low deposit tendency and a high resistance against pre-ignition or knocking.
- Q8 Mahler G8 is specifically designed for high pressure gas engines (BMEP: 22 Bar or above), but is also suitable for gas engines with a lower BMEP.

### Specifications

- Officially approved by:
  - GE Jenbacher TI 1000-1109, for 2 and 3 series engines operating on fuel class B (biogas) & C (landfill gas).
  - 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.
  - Guascor Power, FGLD and SFGLD engines operating on natural gas and clean biogas
  - MAN Truck & Bus AG, M 3271-4 (Special gas)
- 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, Tedom, 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/m <sup>3</sup>	892
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	119.0
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	13.1
Viscosity Index	D 2270	-	104
Sulfated Ash	D 874	% mass	0.80
Flash Point, P-M	D 93	°C	254
Pour Point	D 97	°C	-12
Total Base Number	D 2896	mg KOH/g	8.0
Copper corrosion	D 130	classification	1

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

