

## Q8 Mahler HA SAE 40

### Description

High ash gas engine oil

### Recommendations

- Gas engine oil for application with natural gas, bio gas and landfill gas, operating at mild to severe conditions

### Specifications

- Officially approved by:
  - GE Waukesha for VGF, VHP, 275GL/GL+ and APG series operating on natural gas
  - GE Jenbacher 2 and 3 series operating on fuel class B (biogas) and 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.
  - MAN Truck & Bus AG, M 3271-4 (Special gas)
  - MTU Onsite Energy GmbH, 400 series engines operating on all gas types
  - TEDOM, for landfill gas, bio gas, sewage gas, natural gas and propane-butane
- 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

- 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	141.2
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	14.09
Viscosity Index	D 2270	-	96
Sulphated Ash	D 874	% mass	0.9
Flash Point, P-M	D 93	°C	254
Pour Point	D 97	°C	-12
Total Base Number	D 2896	mg KOH/g	7.9
Copper corrosion	D 130	classification	1

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

