

## Q8 Mahler GR8 SAE 40

Ultra high performance stationary gas engine oil

### Description

Q8 Mahler GR8 is a ultra-high performance synthetic (hydrocracked) gas engine oil. This product is designed as part of the "Q8Oils clean technology" program, which benefits from in-house developments and customized solutions. Q8 Mahler GR series products meet the challenges of the latest generation (steel piston, high output and low emission) engines, ensuring clean engines in combination with extended drain performance. The product is specifically developed with the aim to operate under the most challenging and extreme operating conditions while reducing the total operational cost of the user.

### Applications

Engine Lean-burn and stoichiometric four-stroke stationary gas engines, including high BMEP type. Operations Mild to severe conditions, including high pressure, high load and high temperature operations. Gas type Wide variety of gases, including natural gas, biogas, landfill gas, sewage gas, mine gas and wood gas. Exceptional performance in applications using gas with high H<sub>2</sub>S content.

#### Features

##### Extended drain

#### Benefits

Superiorly balanced gas engine oil, providing exceptional engine cleanliness, low oil consumption with extreme protection for the cylinder head valves and valve seats, significantly reducing the total operational costs

##### Enhanced technology

Maximal oil life due to to exceptional oxidative and thermal stability even at high temperatures

##### Extended drain

Exceptional alkalinity reserve maintains engine performance and durability while extending oil drain interval

### Specifications & Approvals

<b>Caterpillar Energy Solutions</b>	CG132, CG170, CG260	<b>INNIO Jenbacher</b>	Type 9 - Fuel class A
<b>INNIO Jenbacher</b>	TA 1000-1109, Type 2, 3 Series - Fuel class A, B, C	<b>Liebherr</b>	
<b>INNIO Jenbacher</b>	TA 1000-1109, Type 6 (C & E) - Fuel class A, B	<b>MAN</b>	M 3271-4 (Special gas)
<b>INNIO Jenbacher</b>	TA 1000-1109, Type 6 (F) - Fuel class A	<b>MWM</b>	0199-99-02105
<b>INNIO Jenbacher</b>	TA 1000-1109, catalytic converter approved	<b>Tedom</b>	61-0-0281
<b>INNIO Jenbacher</b>	TA 1000-1109, extended oil change interval		

### Properties

	Method	Unit	Typical
Density, 15 °C	D 4052	g/ml	0,858
Viscosity Grade	-	-	SAE 40
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	88.2
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	13.1
Viscosity Index	D 2270	-	148
Total Base Number	D 2896	mg KOH/g	8.0
Pour Point	D 97	°C	-18
Flash Point, COC	D 92	°C	254
Sulfated Ash	D 874	% mass	0.8
Copper Strip, 3 h, 100 °C	D 130	-	1

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

### Remarks

The original manufacturers recommendation should be followed.