

## Q8 Mahler G5 SAE 40

High performance stationary gas engine oil

### Description

Q8 Mahler G5 is a high performance gas engine oil, based on premium Group II (hydrotreated) base fluid. This product is designed as part of the Q8Oils clean technology program, which benefits from in-house developments and customized solutions. Q8 Mahler G 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.

### 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 Natural gas, also suitably for special gases requiring a low ash gas engine oil.

### Features

**Own product development**

**Extended drain**

**Engine performance**

### Benefits

In-house developed outstanding additive package in combination with a carefully chosen Group II base oil

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

Outstanding resistance against pre-ignition and knocking ensuring high engine efficiency

### Specifications & Approvals

Caterpillar Energy Solutions	CG132, CG170, CG260	Wärtsilä	20DF
Deutz	0199-99-01213	Wärtsilä	25SG
INNIO Jenbacher	TA 1000-1109, Type 2, 3 Series - Fuel class A, B, C	Wärtsilä	28SG
INNIO Jenbacher	TA 1000-1109, Type 4 (A & B) - Fuel class A, B, C	Wärtsilä	31DF
INNIO Jenbacher	TA 1000-1109, Type 4 (C) - Fuel class A, B, C	Wärtsilä	31SG
INNIO Jenbacher	TA 1000-1109, Type 6 (C & E) - Fuel class A, B, C	Wärtsilä	32DF
INNIO Jenbacher	TA 1000-1109, Type 6 (F) - Fuel class A	Wärtsilä	34DF
INNIO Jenbacher	TA 1000-1109, catalytic converter approved	Wärtsilä	34SG
Liebherr		Wärtsilä	46DF
MWM	0199-99-02105	Wärtsilä	50DF
Wärtsilä	175SG	Wärtsilä	50SG

### Properties

	Method	Unit	Typical
Density, 15 °C	D 4052	g/ml	0,875
Density, 20 °C	D 4052	g/ml	0,870
Viscosity Grade	-	-	SAE 40
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	117
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	13.1
Viscosity Index	D 2270	-	106
Total Base Number	D 2896	mg KOH/g	6.0
Pour Point	D 97	°C	-18
Flash Point, COC	D 92	°C	250
Sulfated Ash	D 874	% mass	0.5
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.

## Sustainability

The product Carbon Footprint (PCF), cradle-to-gate (Q8Oils state of the art facility in Belgium), of Q8 Mahler G5 SAE 40 is **1.29** kg CO<sub>2</sub>eq / kg.

Please contact Q8Oils to learn more about the positive environmental impact, the handprint, of this product.

To ensure accuracy and reliability, the PCF calculation tool has been verified by an independent third party. The verification report is available in the disclaimer.

For more info check [here](#)



**we  
take  
care**

PRODUCT CARBON FOOTPRINT  
METHOD VALIDATED BY:

PCF CALCULATION IN LINE WITH:  
ISO 14067 | ATIEL-UEIL PCF

