

Q8 Mahler GR5 SAE 40

Ultra high performance stationary gas engine oil

Description

Q8 Mahler GR5 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 Natural gas, also suitably for special gases requiring a low ash gas engine oil.

Features	Benefits
Extended drain	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	Exceptional alkalinity reserve maintains engine performance and durability while extending oil drain interval Maximizes oil life due to exceptional oxidative and thermal stability even at high temperatures

Specifications & Approvals

Caterpillar Energy Solutions	CG132, CG170, CG260	INNIO Jenbacher	TA 1000-1109, extended oil change interval
INNIO Jenbacher	TA 1000-1109, Type 2, 3 Series - Fuel class A, B	Liebherr	
INNIO Jenbacher	TA 1000-1109, Type 4 (A & B) - Fuel class A, B	MAN	M 3271-2 (Natural gas)
INNIO Jenbacher	TA 1000-1109, Type 4 (C) - Fuel class A, B	MAN	M 3271-5 (except MAN E3872 LE steel piston engine)
INNIO Jenbacher	TA 1000-1109, Type 6 (C & E) - Fuel class A, B	MWM	0199-99-02105
INNIO Jenbacher	TA 1000-1109, Type 6 (F) - Fuel class A, B	Rolls-Royce Bergen	B series
INNIO Jenbacher	TA 1000-1109, catalytic converter approved	Tedom	61-0-0281

Properties

	Method	Unit	Typical
Density, 15 °C	D 4052	g/ml	0,859
Density, 20 °C	D 4052	g/ml	0,856
Viscosity Grade	-	-	SAE 40
Kinematic Viscosity, 40 °C	D 445	mm ² /s	88.7
Kinematic Viscosity, 100 °C	D 445	mm ² /s	13.2
Viscosity Index	D 2270	-	151
Total Base Number	D 2896	mg KOH/g	6.0
Pour Point	D 97	°C	-18
Flash Point, COC	D 92	°C	258
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 GR5 SAE 40 is **1.35 kg CO₂eq / 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](#)



PRODUCT CARBON FOOTPRINT
METHOD VALIDATED BY:

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

