

Gas engine oils

High performance,
high efficiency
lubricants for
stationary gas
engines.



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High performance,
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Q8  Oils

WWW.Q8OILS.COM

Optimise your gas engine performance with Q8Oils

COMPREHENSIVE GUIDE TO GAS ENGINE OILS

Q8Oil's range of advanced gas engine oils are designed to optimise the performance and longevity of your gas engines. In this guide, we will delve into the world of gas engines, exploring the unique challenges they face and the crucial role that proper lubrication plays in their performance and longevity.

As a leading provider of lubricant solutions, Q8Oils understands the critical role that gas engine oils play in maximizing engine performance and minimising downtime. We offer a comprehensive range of high-quality gas engine oils, specifically designed to meet the unique demands of various gas engine types and operating conditions. Our products are formulated to provide exceptional protection, performance, and fuel efficiency, allowing your gas engines to operate at their full potential.

In addition to our product range, Q8Oils is committed to providing outstanding customer support and services. We believe in forming strong partnerships with our customers, collaborating closely with them to understand their specific requirements and challenges. Our team of experts is ready to assist you in selecting the right gas engine oil for your applications, ensuring that your engines receive the utmost care and attention they deserve.

We invite you to embark on this comprehensive journey into the world of gas engine oils with Q8Oils. Together, we will explore the intricacies of gas engine lubrication, enabling you to make informed decisions to achieve superior performance and reliability from your gas engines as well as cost effective operations.



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STATIONARY GAS ENGINE OILS

Enhancing gas engine performance and reliability

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01

Gas engine challenges

Gas engines face several significant challenges due to their demanding operating conditions. Understanding these challenges is crucial for selecting the right gas engine oils to address them effectively. Let's have a look at some of the most important challenges faced by gas engines.

High temperatures

Gas engines operate at elevated temperatures, which can lead to oil degradation and oxidation. Oxidation causes the oil to thicken, form sludge, and generate harmful acids, reducing lubrication efficiency and accelerating wear.

Wear and friction

The high pressures and loads experienced by gas engines can lead to significant wear and friction between moving parts. This can result in premature component failure, reduced efficiency, and increased maintenance costs.

Deposit control

Deposits in the combustion chamber are a result of the combustion process and are heavily influenced by the gas composition as well as the additives of the engine lubricant. Too many combustion chamber deposits will create hot spots leading to pre-ignition and eventually engine damage.

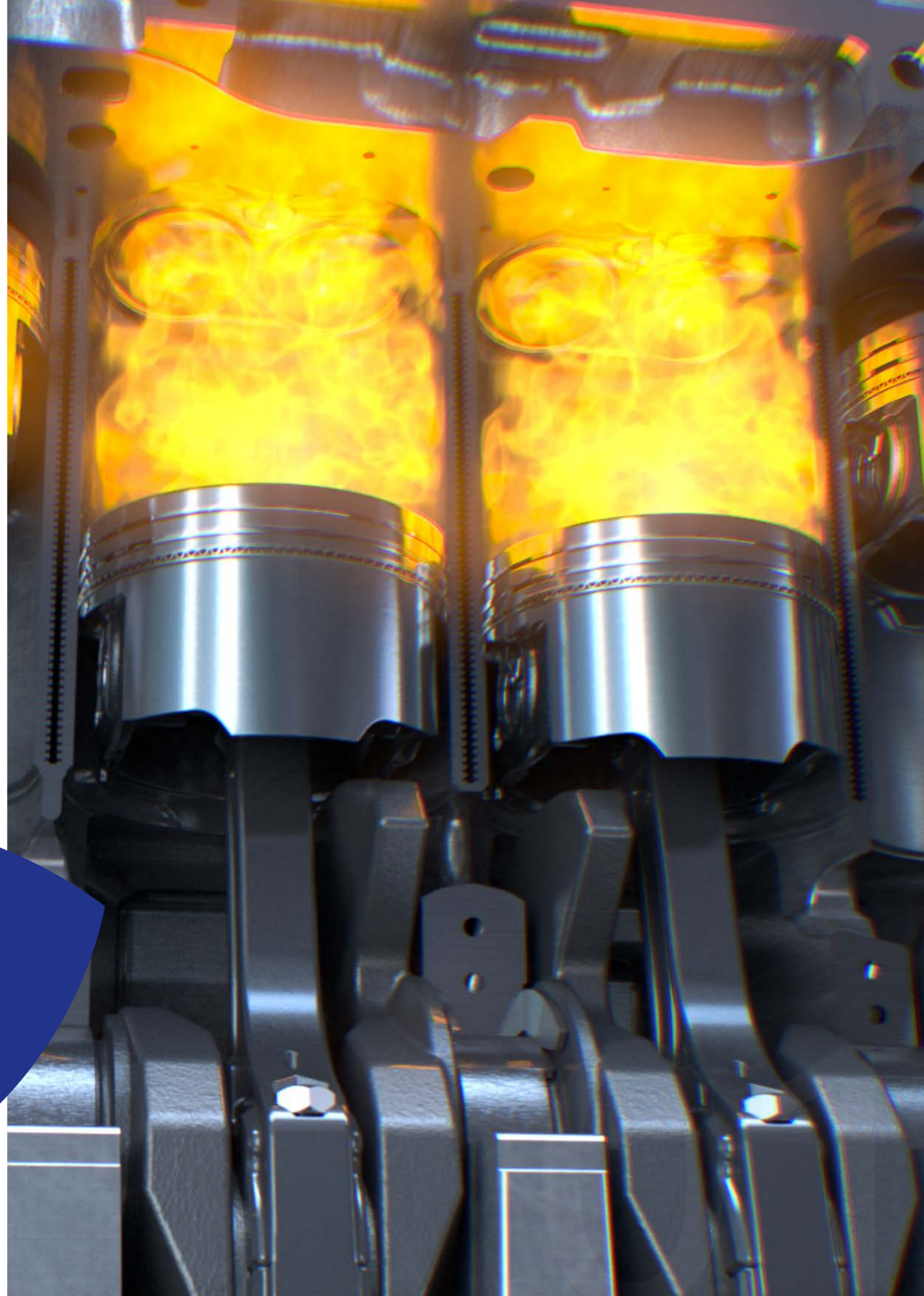
Fuel quality variations

Gas engines can encounter variations in fuel quality, such as different gas compositions and levels of impurities. Lower-quality fuels may contain higher levels of sulfur and other contaminants that can negatively impact engine performance and accelerate wear.

“

The challenges of the modern gas engine require innovative thinking and fine balancing in terms of base oil qualities and a comprehensive additive package, providing customers with a trouble-free operation and extended oil life.”

ALEX MALTCHEV
PRODUCT LINE MANAGER ENERGY



Importance of proper lubrication in gas engines

Proper lubrication is of the utmost importance in gas engines due to the significant benefits it provides in terms of performance, longevity, and overall reliability. Let's explore the key reasons why proper lubrication is crucial for gas engines:

Friction reduction

Gas engines operate under high pressures and loads, resulting in metal-to-metal contact between moving components. This friction can cause significant wear, leading to premature component failure and reduced efficiency. Proper lubrication forms a thin protective film between these metal surfaces, minimising friction and wear. By reducing friction, gas engine oils help to maximize energy transfer and optimize overall performance.

Heat dissipation

Gas engines generate significant heat during operation. Without proper heat transfer, this heat can build up, leading to increased temperatures that can cause thermal stress, deformations, and accelerated wear. High-quality gas engine oils are formulated to efficiently dissipate heat, transferring it away from critical components and maintaining stable operating temperatures. This helps to prevent overheating, maintain engine performance, and minimise the risk of thermal-related damage.

Wear prevention

Effective lubrication plays a vital role in preventing wear and extending the lifespan of engine components. By creating a lubricating film, gas engine oils ensure that moving parts glide smoothly, minimising metal-to-metal contact. This helps to prevent excessive wear and extends the life of critical engine components, such as pistons, bearings, and camshafts.

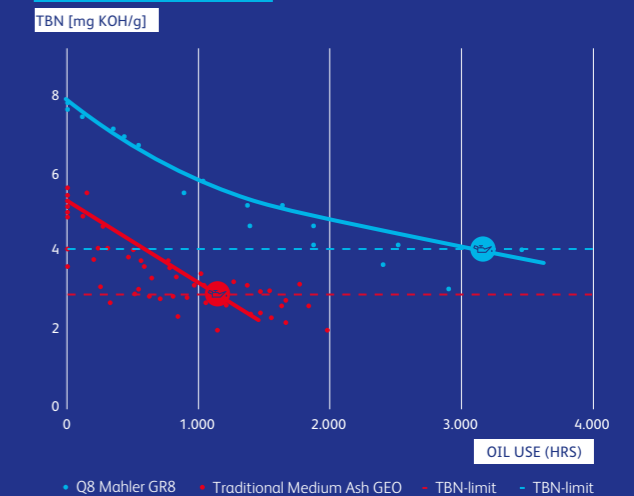
Contaminant control

Gas engines are exposed to various contaminants, including combustion by-products, dust, and fuel impurities. These contaminants can mix with the oil and form harmful deposits that can obstruct oil passages, impede heat transfer, and increase wear. Proper lubrication with gas engine oils that contain advanced detergency and dispersant additives helps to control and minimise the effect of these contaminants, ensuring engine cleanliness and maximising performance.

Extended service life and reduced maintenance costs

High-quality gas engine oils, when used in accordance with manufacturer recommendations, can extend the service life of gas engines and increase maintenance intervals. Their superior lubrication properties, wear protection, and deposit control capabilities minimise the need for frequent maintenance and component replacements. This reduces downtime and maintenance costs, optimises availability and reliability of gas engines and results in a better total cost of ownership (TCO) for the gas engine operator.

Jenbacher J612 - TBN



Corrosion protection

Gas engines can be exposed to corrosive environments due to the presence of acidic by-products in the combustion process. Without proper additives, these corrosive elements can attack and degrade engine components, leading to premature failure. Gas engine oils with corrosion inhibitors form a protective barrier on metal surfaces, shielding them from corrosive elements and preventing damage.

Fuel efficiency enhancement

Gas engine oils play a role in improving fuel efficiency. By reducing friction and optimizing engine cleanliness, these oils help minimise energy losses and improve combustion efficiency. This leads to better utilization of fuel, reduced emissions, and enhanced overall fuel efficiency, resulting in cost savings and environmental benefits.

In summary, proper lubrication is vital for gas engines as it reduces friction, dissipates heat, controls contaminants, protects against corrosion, and ultimately improves engine performance and longevity. Choosing high-quality gas engine oils and adhering to recommended lubrication practices ensures optimal efficiency, extends engine life, and reduces maintenance costs, providing operators with peace of mind and a reliable power source for their applications.



STATIONARY GAS ENGINE OILS

Choosing the right gas engine oil

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Factors to consider when selecting gas engine oils

When selecting the right gas engine oil, you need to consider several factors to ensure optimal performance, protection, and compatibility with your gas engine and its operating conditions. Let's explore the key factors to consider:

Engine type and specifications

Gas engines come in various types, such as spark-ignited (SI) engines, dual-fuel engines, and lean-burn engines. Each engine type has different requirements regarding lubrication properties, viscosity grades, and additive packages. It is crucial to consult the engine manufacturer's guidelines and specifications to identify the appropriate lubricant that meets your engine's specific requirements.

Operating conditions

The operating conditions of your gas engine play a significant role in oil selection. Factors to consider include ambient temperature range, load fluctuations, engine speed, and fuel composition. Engines operating in extreme temperature environments require oils with enhanced viscosity control and excellent cold-start performance. Heavy-duty engines or those operating under high load conditions benefit from oils with superior formulations.

Maintenance and drain interval requirements

The desired maintenance strategy and drain interval requirements influence the choice of gas engine oil. Some engines have specific oil change intervals recommended by the manufacturer, while the majority follow a condition-based monitoring approach. Understanding the maintenance requirements and selecting oils with the appropriate additive packages and extended drain interval capabilities helps you to optimise maintenance schedules and minimise downtime.

Environmental considerations

Environmental factors, such as emission regulations and sustainability goals, are becoming increasingly important. Low-emission gas engines require oils that meet specific environmental standards (e.g., aftertreatment systems which might require some specific lubricants).

OEM recommendations and approvals

Engine manufacturers often provide recommendations and approvals for specific gas engine oils. Following these recommendations ensures compatibility and compliance with warranty requirements. Checking for OEM approvals and following their guidelines is essential to ensure you select the right oil for your gas engine.

Supplier expertise and support

Consider partnering with a reputable and knowledgeable lubricant supplier who can provide technical support, guidance, and expertise. They can assist in understanding specific gas engine requirements, offer customised solutions, and provide ongoing support throughout the oil selection process and during operation.

By considering these factors and seeking guidance from experts, you can select the most suitable gas engine oil that ensures optimal engine performance, protection, and longevity. Proper oil selection contributes to improved efficiency, reduced maintenance costs, extended service life, and enhanced environmental sustainability for gas engines.



STATIONARY GAS ENGINE OILS

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Q8Oils: a trusted name in lubricant technology

Q8Oils is a renowned leader in lubricant technology, with a proven track record of delivering high-performance solutions across a wide range of industries. We offer a complete range of premium gas engine oils ranging from mineral to full synthetic lubricants. Backed by extensive research and development, Q8Oils' gas engine oils are engineered to exceed industry standards and address the unique challenges faced by gas engines.

By choosing Q8Oils' gas engine oils, your engines receive the highest level of care and maintenance, maximizing operational efficiency and prolonging engine life.

Stationary

Product	Jenbacher S Oil 40			Q8 Mahler GR5			Q8 Mahler GR8			Q8 Mahler G5		
Sulphated ash	0.8			0.5			0.8			0.5		
TBN	8			6			8			6		
Segment	Flagship			Flagship			Flagship			Premium		
Gas type	LANDFILL	BIO	NATURAL	LANDFILL	BIO	NATURAL	LANDFILL	BIO	NATURAL	LANDFILL	BIO	NATURAL

Q8 Mahler G8			Q8 Mahler G10			Q8 Mahler R			Q8 Mahler MA			Q8 Mahler HA		
0.8			1			0.55			0.5			0.9		
8			10			7			5.5			7.9		
Premium			Premium			Premium			Traditional			Traditional		
LANDFILL	BIO	NATURAL	LANDFILL	BIO	NATURAL	LANDFILL	BIO	NATURAL	LANDFILL	BIO	NATURAL	LANDFILL	BIO	NATURAL

OEM		Jenbacher S Oil 40			Q8 Mahler GR5			Q8 Mahler GR8			Q8 Mahler G5		
MAN	M3271-2 / -4				✓	✓	✓	✓	✓	✓	✓	✓	✓
MWM					✓	✓	✓	✓	✓	✓	✓	✓	✓
Caterpillar Energy Solutions GmbH					✓	✓	✓	✓	✓	✓	✓	✓	✓
MWM					✓	✓	✓	✓	✓	✓	✓	✓	✓
	Serie 2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Serie 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Serie 4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
INNIO Jenbacher	Serie 6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Serie 6 version H & K			✓						✓			
	Serie 9			✓						✓			
	Catalysts	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	VSG series				✓	✓	✓	✓	✓	✓	✓	✓	✓
	VGF series				✓	✓	✓	✓	✓	✓	✓	✓	✓
GE Waukesha	VHP series				✓	✓	✓	✓	✓	✓	✓	✓	✓
	AT 25/27 GL series				✓	✓	✓	✓	✓	✓	✓	✓	✓
	APG series				✓	✓	✓	✓	✓	✓	✓	✓	✓
Guascor	FGLD & SFGLD				✓	✓	✓	✓	✓	✓			
Rolls-Royce Power System	K series				✓	✓	✓						
Bergen Engines	B series				✓	✓	✓	✓	✓	✓			
MTU Onsite Energie	400 Series (MDE)				✓	✓	✓	✓	✓	✓			✓
	4000 Series				✓	✓	✓	✓	✓	✓			✓
TEDOM					✓	✓	✓	✓	✓	✓	✓	✓	✓
Perkins								✓	✓	✓			✓

Q8 Mahler G8			Q8 Mahler G10			Q8 Mahler R			Q8 Mahler MA			Q8 Mahler HA		
✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	
✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	
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Stationary

Product	Jenbacher S Oil 40			Q8 Mahler GRS			Q8 Mahler GR8			Q8 Mahler G5		
Sulphated ash	0.8			0.5			0.8			0.5		
TBN	8			6			8			6		
Segment	Flagship			Flagship			Flagship			Premium		
Gas type	LANDFILL	BIO	NATURAL	LANDFILL	BIO	NATURAL	LANDFILL	BIO	NATURAL	LANDFILL	BIO	NATURAL

Q8 Mahler G8			Q8 Mahler G10			Q8 Mahler R			Q8 Mahler MA			Q8 Mahler HA		
0.8			1			0.55			0.5			0.9		
8			10			7			5.5			7.9		
Premium			Premium			Premium			Traditional			Traditional		
LANDFILL	BIO	NATURAL	LANDFILL	BIO	NATURAL	LANDFILL	BIO	NATURAL	LANDFILL	BIO	NATURAL	LANDFILL	BIO	NATURAL

OEM

Cummins				✓	✓	✓	✓					✓	✓
Liebherr				✓	✓	✓	✓					✓	✓
175SG				✓	✓	✓	✓					✓	✓
220SG				✓	✓	✓	✓					✓	✓
25SG				✓	✓	✓	✓					✓	✓
28SG				✓	✓	✓	✓					✓	✓
31SG				✓	✓	✓	✓					✓	✓
34SG				✓	✓	✓	✓					✓	✓
Wärtsilä®				✓	✓	✓	✓					✓	✓
50SG				✓	✓	✓	✓					✓	✓
20DF				✓	✓	✓	✓					✓	✓
31DF				✓	✓	✓	✓					✓	✓
32DF				✓	✓	✓	✓					✓	✓
34DF				✓	✓	✓	✓					✓	✓
46DF				✓	✓	✓	✓					✓	✓
50DF				✓	✓	✓	✓					✓	✓

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FEATURES AND BENEFITS OF Q8OILS' GAS ENGINE OILS

Q8Oils' gas engine oils offer a range of exceptional features and benefits, ensuring optimal performance and reliability from your gas engines.



Exceptional oxidation stability and thermal resistance:

Due to the use of high quality base oils, our gas engine oils have excellent resistance to oxidation and thermal breakdown, ensuring long-lasting protection even under high-temperature operating conditions.



Enhanced engine cleanliness and deposit control:

Q8Oils' proprietary additive technology guarantees effective control over the buildup of combustion chamber deposits and carbon, while also preventing the formation of varnish and sludge.



Superior wear protection and engine life extension:

Q8Oils' gas engine oils form a robust lubricating film that minimises friction and wear, extending engine life and reducing maintenance requirements.



Increased fuel efficiency and reduced emissions:

By reducing internal engine friction and optimizing combustion, Q8Oils' gas engine oils contribute to improved fuel efficiency and reduced emissions, promoting environmental sustainability.



Tailored formulations for specific gas engine applications:

Q8Oils offers a comprehensive range of gas engine oils with specific formulations tailored to meet the requirements of various gas engine types, sizes, and operating conditions.



Compatibility with common gas engine designs:

Q8Oils' gas engine oils are designed to be compatible with a wide range of gas engine designs, ensuring hassle-free integration and seamless operation.

Jenbacher S Oil 40

The high performance Jenbacher gas engine oil for non-natural gas

THE N°1 DRIVING FORCE FOR YOUR ENGINE

Jenbacher S Oil 40 is a high-performing synthetic (hydrocracked) lubricant for stationary gas engines. This medium-ash product is specifically developed for engines running under severe conditions in non-natural gas applications (biogas, sewage, landfill, wood gas, etc.).

Jenbacher S Oil 40 provides an increased drain interval (on average by 80% longer). The special used oil limits for this product provide reliable operation with an extended oil drain, reducing life cycle costs significantly.

APPLICATIONS

Jenbacher S Oil 40 can be used for all series of Jenbacher engines Type 2, Type 3, Type 4 and Type 6, operating on various types of non-natural gases.

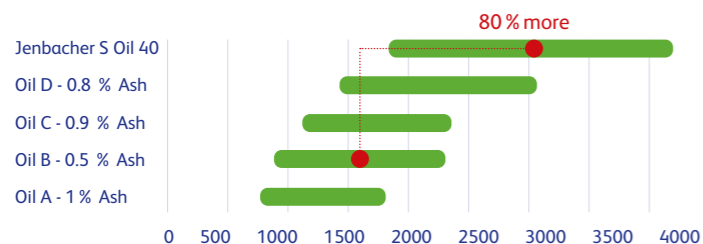
APPROVALS

Jenbacher S Oil 40 is approved for the whole range of Jenbacher non-natural gas engines. Type 2, Type 3, Type 4 and Type 6. Jenbacher S Oil 40 is approved for extended used oil limits following the Technical Instruction TA 1000-0099B (Limit levels for used oil in INNIO Jenbacher gas engines). For the latest approvals, check INNIO Jenbacher's technical instructions TA 1000-1109, which can also be found on www.innio.com.



OIL LIFE IN INNIO JENBACHER J320 ENGINE RUNNING ON NON-NATURAL GAS*

Based on > 9.000 condition monitoring samples.



*The results displayed are based on the experience of a limited number of engines during field tests. Actual results can vary depending on the type of engine, its maintenance, operating conditions and quality of prior lubricant used. Please consult the technical instructions from INNIO Jenbacher for specific guidelines.

EXTENDED CONDEMNING LIMITS

Extended condemning limits were defined specially for the Jenbacher S Oil 40. The extended condemning limits are based on qualities of additive technology and the results from extensive validation trials.

Parameter	Standard limit value	Jenbacher S Oil 40 limit
Oxidation (ABS/cm)	20	25
TBN (mg KOH/g)	-50 %	3.0

PROPERTIES	METHOD	UNIT	TYPICAL
Density, 20° C	D 4052	g/ml	0.862
Viscosity grade	-	-	SAE 40
Kinematic viscosity, 40°	C D 445	mm²/s	90.0
Kinematic viscosity, 100°	C D 445	mm²/s	13.4
Viscosity index	D 2270	-	150
Total base number	D 2896	mg KOH/g	8.0
Pour point	D 97	°C	-18
Flash point, COC	D 92	°C	258
Sulfated ash	D 874	% mass	0.79
Copper strip, 3h, 100°	C D 130	-	1

- ✓ Lower operational costs
- ✓ Longer engine life
- ✓ High TBN retention
- ✓ Excellent protection and anti-wear properties
- ✓ Exceptional condemning limits



“ I can honestly say that the oil has always delivered on minimising engine wear whilst maximizing oil life.”

“Having used Q8Oils' products in a fleet of landfill generating units for a number of years now, I can honestly say that the oil has always delivered on minimising engine wear whilst maximizing oil life. Ordering and delivery are always easy to arrange and prompt to site. Customer service is on hand whenever called upon to discuss available products and recommendations for application. Highly recommended.

TONY OWEN, YLEM ENERGY, UK

Q8 Mahler GR5 SAE 40

High performance stationary gas engine oil

DESCRIPTION

Q8 Mahler GR5 is an ultra-high performance synthetic (hydrocracked) gas engine oil. This product is designed as part of the Q8Oils clean technology programme, which benefits from in-house developments and customised 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.

SPECIFICATIONS & APPROVALS

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

PROPERTIES	METHOD	UNIT	TYPICAL
Density, 20° C	D 4052	g/ml	0.861
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, 3h, 100°	C D 130	-	1



Extended drain

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



Engine cleanliness

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 exceptional oxidative and thermal stability even at high temperatures.

Q8 Mahler GR8 SAE 40

High performance stationary gas engine oil

DESCRIPTION

Q8 Mahler GR8 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 programme, 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 to 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 H₂S content.

SPECIFICATIONS & APPROVALS

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

PROPERTIES	METHOD	UNIT	TYPICAL
Density, 20° C	D 4052	g/ml	0.858
Viscosity grade	-	-	SAE 40
Kinematic viscosity, 40°	C D 445	mm ² /s	88.2
Kinematic viscosity, 100°	C D 445	mm ² /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, 3h, 100°	C D 130	-	1

Primato relies on Q8 Mahler GR8 gas engine oil

“We rely on the quality of gas engine oils and the experts at Q8Oils.”

Primato is a family business from Putte, Belgium, that grows tomatoes on a total area of 125,000 m². For the power and heating of their greenhouses, they use a combined heating and power plant (CHP), powered by INNIO Jenbacher 624 engines.

At the end of 2015 Primato moved to a new location, where the greenhouses are equipped with a CHP, a combined installation for heating and electricity. The Q8 Mahler GR8 was successfully tested in this complex application and resulted in longer oil drain intervals, higher efficiency, and cleaner engine components.

“We want to invest in sustainable crop production”, says Kevin Pittoors, Director of the family business. “The heat from the CHP installation is used for heating, the electricity for lighting the crops and the CO2 emissions are converted into nutrients for the plants.”



Guaranteed reliability

The CHP installation is powered by INNIO Jenbacher 624 engines, which are among the best in the world. They guarantee powerful performance and are very reliable. “That reliability is extremely important to us”, says Pittoors. “We cannot afford power cuts. That is why we rely on the quality motor oils and the experts at Q8Oils. They provide an excellent service and are very committed to monitoring the oil quality.”

“Because of its design, steel pistons and high BMEP (Break Mean Effective Pressure), the INNIO Jenbacher 624 engine represents the ultimate challenge for gas engine oils”, said Alex Maltchev, Product Line Manager Energy at Q8Oils. “That is why we chose this location to demonstrate the performance of Q8 Mahler GR8 gas engine oil.”

High stability, low cost

The Q8 Mahler GR8 – with its carefully designed additive formula – has many interesting properties, such as **excellent performance, high TBN retention and high oxidation stability**. With Primato, these features result in extended drain intervals, while key engine components, such as the pistons and combustion chamber, remained remarkably clean. “This is important to maintain engine performance and efficiency”, explains Alex Maltchev.

“We want to help customers reduce their operational costs and extend engine life”, says Joris van der List, Technology Manager at Q8Oils. “The quality of the Q8 Mahler products remains stable in the long term.”

Jesse Claessens, Global Sector Manager Energy at Q8Oils, adds: “The new Q8 Mahler GR8 gas engine oils show lower varnish formation and cleaner engines, resulting in **lower maintenance costs, longer oil filter life and lower oil consumption**. At the end of the day, it’s all about providing customers with the reliability they need for the smooth operation of the gas engines”.



The staff of Q8Oils provides excellent service and is very committed to monitoring the oil quality.”

KEVIN PITTOORS, DIRECTOR OF PRIMATO

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 programme, 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.

SPECIFICATIONS & APPROVALS

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

PROPERTIES	METHOD	UNIT	TYPICAL
Density, 20° C	D 4052	g/ml	0.889
Viscosity grade	-	-	SAE 40
Kinematic viscosity, 40°	C D 445	mm ² /s	117
Kinematic viscosity, 100°	C D 445	mm ² /s	13.1
Viscosity index	D 2270	-	106
Total base number	D 2896	mg KOH/g	6.0
Pour point	D 97	°C	-12
Flash point, COC	D 92	°C	250
Sulfated ash	D 874	% mass	0.5
Copper strip, 3h, 100°	C D 130	-	1

Q8 Mahler G8 SAE 40

High performance stationary gas engine oil

DESCRIPTION

Q8 Mahler G8 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 programme, 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: 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 H₂S content.

SPECIFICATIONS & APPROVALS

Caterpillar Energy Solutions	CG132, CG170, CG260	Guascor Power	FGLD, SFGLD series
INNIO Jenbacher	TA 1000-1109, Type 2, 3 Series - Fuel class A, B, C TA 1000-1109, Type 6 (C & E) - Fuel class A, B TA 1000-1109, Type 6 (F) - Fuel class A TA 1000-1109, catalytic converter approved TA 1000-1109, extended oil change interval	MAN	M 3271-4 (Special gas)
		Liebherr	
		MWM	0199-99-02105

PROPERTIES	METHOD	UNIT	TYPICAL
Density, 20° C	D 4052	g/ml	0.892
Viscosity grade	-	-	SAE 40
Kinematic viscosity, 40°	C D 445	mm ² /s	118
Kinematic viscosity, 100°	C D 445	mm ² /s	13.2
Viscosity index	D 2270	-	114
Total base number	D 2896	mg KOH/g	8.0
Pour point	D 97	°C	-15
Flash point, COC	D 92	°C	250
Sulfated ash	D 874	% mass	0.8
Copper strip, 3h, 100°	C D 130	-	1



Engine performance

Outstanding resistance against pre-ignition and knocking to ensure high engine efficiency.



Extended drain

Superbly 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.



Own product development

Outstanding additive package developed in-house in combination with a carefully chosen Group II base oil.

Q8 Mahler MA SAE 40

Advanced stationary gas engine oil

DESCRIPTION

Q8 Mahler MA is an advanced gas engine oil, based on premium Group II (hydrotreated) base fluid. This product is designed as part of the Q8Oils gas engine oil technology programme, which benefits from in-house developments and customized solutions.

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 suitable for special gases requiring a low ash gas engine oil.

SPECIFICATIONS & APPROVALS

Caterpillar Energy Solutions	CG132, CG170, CG260	MTU Onsite Energy	400 series
INNIO Waukesha Liebherr	TA 1000-0200	MWM	0199-99-02105
MAN	M 3271-2 (natural gas) M 3271-4 (Special gas)	Perkins	4006, 4008 series

PROPERTIES	METHOD	UNIT	TYPICAL
Density, 20° C	D 4052	g/ml	0.891
Viscosity grade	-	-	SAE 40
Kinematic viscosity, 40°	C D 445	mm ² /s	115.8
Kinematic viscosity, 100°	C D 445	mm ² /s	13.05
Viscosity index	D 2270	-	107
Total base number	D 2896	mg KOH/g	5.5
Pour point	D 97	°C	-21
Flash point, COC	D 92	°C	254
Sulfated ash	D 874	% mass	0.5
Copper strip, 3h, 100°	C D 130	-	1

Q8 Mahler HA SAE 40

High performance stationary gas engine oil

DESCRIPTION

Q8 Mahler HA is an advanced gas engine oil, based on premium Group II (hydrotreated) base fluid. This product is designed as part of the Q8Oils gas engine oil technology programme, which benefits from in-house developments and customized solutions.

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 H₂S content.

SPECIFICATIONS & APPROVALS

Caterpillar Energy Solutions	CG132, CG170, CG260	MTU Onsite Energy	400 series
INNIO Jenbacher	TA 1000-1109, Type 2, 3 Series - Fuel class B, C	MWM	0199-99-02105
INNIO Waukesha Liebherr	12-1880	Tedom	61-0-0281
MAN	M 3271-4 (Special gas)		

PROPERTIES	METHOD	UNIT	TYPICAL
Density, 20° C	D 4052	g/ml	0.858
Viscosity grade	-	-	SAE 40
Kinematic viscosity, 40°	C D 445	mm ² /s	117.4
Kinematic viscosity, 100°	C D 445	mm ² /s	13.18
Viscosity index	D 2270	-	107
Total base number	D 2896	mg KOH/g	7.9
Pour point	D 97	°C	-12
Flash point, COC	D 92	°C	254
Sulfated ash	D 874	% mass	0.9
Copper strip, 3h, 100°	C D 130	-	1



Extended drain

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



Own product development

Outstanding additive package developed in-house in combination with a carefully chosen Group II base oil.



Enhanced technology

High lubricity properties providing low wear of engine components, significantly reducing maintenance costs.



Q8Oils and INNIO redefine aspects of engine operation at Bioenergie Aspach

For more than twenty years, Q8Oils and INNIO have maintained a strong and enduring collaboration, marked by consistent innovation and achievement. Their latest success is the synergy between the Jenbacher J312 F engine and the Jenbacher S Oil 40 – co-engineered by the experts from Q8Oils and INNIO, which has made power generation at Bioenergie Aspach more efficient and cost-effective.

“Our expectations have been significantly exceeded, and we are very satisfied with the engine and the Jenbacher S Oil 40.”

JOHANN ANGLEITNER-KETTL

Powering the success of Bioenergie Aspach

In 2005, Bioenergie Aspach and INNIO started a journey that led to great achievements.

One of the key factors behind Bioenergie Aspach's long-term commitment to INNIO is the exceptional collaboration they've built over the years. This trust has recently led to the signing of a new service contract for the next 60,000 operating hours, ensuring the continued reliable operation of their Jenbacher J312 F engine. From the very beginning, the engine has been lubricated by Jenbacher S Oil 40, a choice that has proven to be instrumental in their success story.

Proven performance

The Jenbacher J312 F engine at Bioenergie Aspach has been in operation since December 2020, a good two and a half years. During these more than 15,000 operating hours, it has used the same oil, without any oil drain.

The customer's experience at Bioenergie Aspach with the Jenbacher J312 F engine is a testament to the excellent performance of Jenbacher S Oil 40: “Our expectations have been significantly exceeded, and we are very satisfied with the engine and the Jenbacher S Oil 40.”

Continuous oil analysis during these two and a half years has revealed good oil quality that remains at a safe distance from the condemning limits. The detailed TBN (Total Base Number) and TAN (Total Acid Number) values, as well as the oxidation data, confirmed these results. At the biogas plant in Aspach, an endoscopic inspection revealed a very good condition overall of the important engine components.

Future-proof approach to maintain efficiency and cost-effectiveness

In Aspach, Jenbacher S Oil 40 was the very first oil since the commissioning of the engine. We recommend this for all engines running on non-natural gas”, says Nina Tiedemann. “For engines that have been in operation previously, two to three oil changes are required to enjoy the full benefit of Jenbacher S Oil 40, because of its cleaning properties. The carefully balanced Q8Oils additive-technology consists of specially selected detergents and dispersants, which help to remove potentially accumulated deposits from the engine, whilst enabling Jenbacher S Oil 40's full potential for the long run.”

In conclusion, the collaboration between Q8Oils and INNIO has not only created a great synergy but has also demonstrated how innovation can drive the power generation industry forward. The success of Bioenergie Aspach is a shining example of what can be achieved when two key industry players collaborate to push the boundaries of what's possible.

Q8 Mahler G1 SAE 40

DESCRIPTION

Q8 Mahler G1 is recommended for two-stroke gas engines where low ash or ashless oils are recommended. Q8 Mahler G1 can also be used to lubricate reciprocating compressors in which natural gas is compressed and pressures do not exceed 10.000 kPa. Using Q8 Mahler G1 in both the gas engine and the gas compressor will simplify the lubricant inventory.

APPLICATIONS

Two-stroke gas engines where low ash or ashless oils are recommended.

Q8 Mahler G10 SAE 40

DESCRIPTION

Q8 Mahler G10 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 programme, which benefits from in-house developments and customized solutions. Q8 Mahler G10 is designed to answer the challenges of the modern gas engines in combination with acid-gases and high levels of H2S.

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 H2S content.

Q8 Mahler R SAE 40

DESCRIPTION

Q8 Mahler R is a high performance synthetic (hydrocracked) gas engine oil. This product is designed as part of the Q8Oils clean technology programme, which benefits from in-house developments and customized solutions. Q8 Mahler R 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.

Q8 Mahler Cool Premixed 4060

High performance engine coolant

DESCRIPTION

High performance engine coolant specifically designed for stationary gas engines.

BENEFITS

Long life gas engine coolant based on superior technology, protecting the cooling system against corrosion, cavitation and frost.

APPLICATIONS

For coolant systems of stationary gas engines.

SPECIFICATIONS & APPROVALS

Caterpillar Energy Solutions	CG132, CG170, CG260	MWM	-
INNIO Jenbacher	TA 1000-0200	Volvo	Volvo Penta
MTU	-		

PROPERTIES	METHOD	UNIT	TYPICAL
Appearance	Visual	-	Bright and Clear
Density, 15 °C	D 4052	g/ml	1,059
Color	Visual	-	Fluorescent orange
Freezing Protection 40-60 %	D 1177	°C	-27
Equilibrium Reflux Boiling Point	D 1120	°C	104
Effect on non-metals	GME60 255	-	no effect
Reserve alkalinity (pH 5.5)	D 1121	ml HCL 0.1N	2.4
Foaming properties at 25 °C	D 1881	ml	50
Break time at 25 °C	D 1881	sec.	5
Foaming properties at 88 °C	D 1881	ml	50
Break time at 88 °C	D 1881	sec.	5
pH	D 1287	-	8.5
Water content	-	%	60



✓
Lower operational costs

Long life gas engine coolant based on superior technology, protecting the cooling system against corrosion, cavitation and frost.

✓
Ready for use

Q8 Mahler Cool Premixed 4060 is a ready-for-use engine coolant. The product should not be diluted with water.



STATIONARY GAS ENGINE OILS

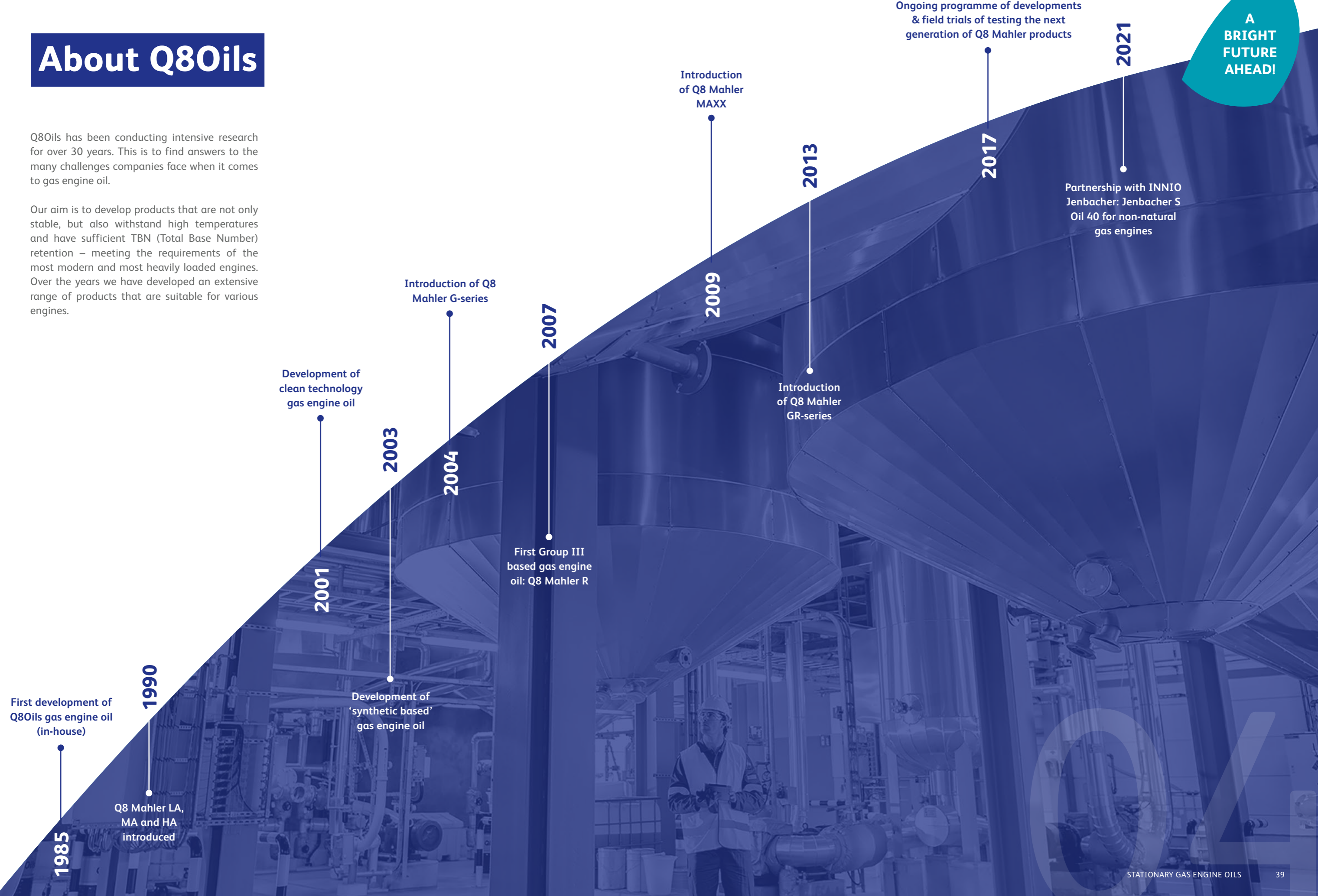
About Q8Oils

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About Q8Oils

Q8Oils has been conducting intensive research for over 30 years. This is to find answers to the many challenges companies face when it comes to gas engine oil.

Our aim is to develop products that are not only stable, but also withstand high temperatures and have sufficient TBN (Total Base Number) retention – meeting the requirements of the most modern and most heavily loaded engines. Over the years we have developed an extensive range of products that are suitable for various engines.



1985
First development of Q8Oils gas engine oil (in-house)

1990
Q8 Mahler LA, MA and HA introduced

2001
Development of clean technology gas engine oil

2003
Development of 'synthetic based' gas engine oil

2004
Introduction of Q8 Mahler G-series

2007
First Group III based gas engine oil: Q8 Mahler R

2009
Introduction of Q8 Mahler MAXX

2013
Introduction of Q8 Mahler GR-series

2017
Ongoing programme of developments & field trials of testing the next generation of Q8 Mahler products

2021
Partnership with INNIO Jenbacher: Jenbacher S Oil 40 for non-natural gas engines



Value

proposition

As the “Preferred Supplier” of the energy sector, we use our knowledge and expertise to generate extra value for your company. We do this at both the production and financial levels. Because our solutions not only guarantee internally cleaner engines, they also extend the change interval of the gas engine oil and thus ensure higher efficiency, which reduces operational costs. In short, our advanced solutions provide you with several benefits.



REDUCE OPERATIONAL COSTS

With our assistance, you can effectively enhance the lubrication and maintenance of your gas engines, leading to increased productivity, minimised downtime, and a strengthened competitive edge.



TACKLE ANY CHALLENGES IN EXTREME OPERATING CONDITIONS

Gas engines often face harsh conditions. By combining our expertise with industrial specifications, we ensure that your engines consistently perform at their best.



CUSTOMIZED SOLUTIONS YOU CAN TRUST

We are proud of relying on our unique formulations and tailor-made solutions. Our dedicated R&D departments are committed to finding the perfect answers for all applications and challenges within the sector.



UNMATCHED TECHNICAL EXCELLENCE

Rest assured, our products are technically superior, supported by the approvals of all major OEMs in the industry.



Decades of experience



Team of specialists

Research & development



Certified
ISO 9001, 18001,
ISO 14001, RC14001

Our R&D department is an important part of our search for innovative products and strategies. Through our extensive and intensive research, we determine the future technical requirements of lubricants. This is how we continue to exceed the expectations of the industry and our customers.

In our modern blending plants in Belgium and Italy, as well as in our research and technology centers in the Netherlands and Italy, we create products that meet and exceed the highest performance requirements. And that at a competitive market price.



State-of-the-art production facilities in Belgium, Italy and various productions via local partners. This combined with our own research and technology centers.



Products that exceed the highest performance requirements. Approved by all major OEMs.



Custom product development based on customer challenges and needs.



Superior solution for all lubrication needs.



We share our knowledge with our partners



Passionate experts

KEY FACTS

50+

years of experience in R&D in the petroleum sector

350.000

oil analyses per year

40+

scientists and support staff

A clear choice for own development

A common issue among most oil companies is their limited awareness of the chemical components they use. Why? Because they purchase an 'additive package' from regular additive suppliers. Consequently, they face constraints in providing comprehensive advice, often struggling to address specific challenges or meet customer requirements.

However, Q8Oils takes a distinct approach by investing heavily in research and product development. Our gas engine oils are the result of meticulous R&D efforts, focusing not only on selecting the precise base oils and components but also on ensuring their proper interaction.

As a result of this dedication, we can deliver customised solutions for every challenge. These solutions not only exhibit high quality but also surpass the specifications of other motor oils by a considerable margin.

We refrain from relying on 'black box' formulas; instead, we carefully choose each component ourselves. This approach grants us complete control over the quality, performance, and future advancements of our products, ensuring the utmost satisfaction for our customers.

A solid base

Based on high-quality base oil, we produce an extensive range of lubrication solutions. The high quality of the base oils and additives determines the level of the end product, i.e. the quality of the solution offered.



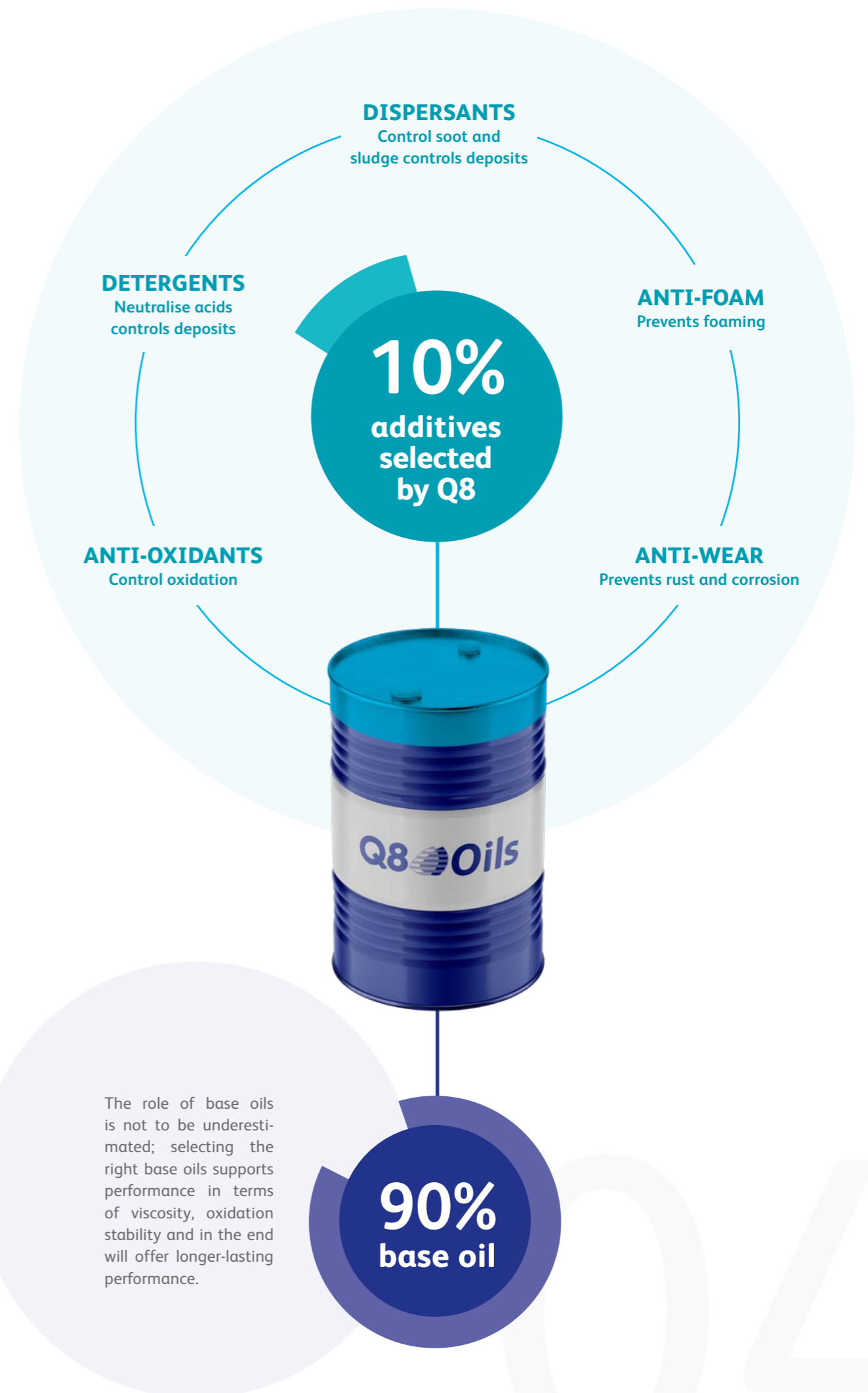
MOST OIL COMPANIES...

- do not know what chemical components they are using
- buy a 'GEO additive pack' from additive suppliers
- restrictions when advising on performance or product modifications



Q8OILS...

- has own additive technology so added value in terms of performance
- has experience gained in field trials and testing carried out in our laboratories
- we have full control over the performance of our products.



Q8Oils

clean technology

Our primary objective is to create high quality products capable of enduring the elevated temperatures of modern gas engines while maintaining ample TBN reserves. However, our utmost priority lies in safeguarding your engine from varnish formation and carbon deposits through our gas engine oils.

Oxidation stability

The oxidation stability of a product primarily relies on the quality and type of base oil, coupled with the effectiveness of additive technology. Products exhibiting high oxidation stability enable lubricants to withstand elevated operating temperatures while effectively preventing the formation of sludge and varnish. Additionally, they maintain viscosity at the appropriate level, ensuring optimal performance.

Low deposit tendency

Conventional products may lead to the formation of hard and abrasive deposits in new high-performance engines. In contrast, our advanced technology guarantees the formation of soft deposits, significantly reducing the need for maintenance and thereby preventing downtime. As a result, our solution leads to a reduced total cost of ownership.

With our innovative Q8Oils clean technology, our products stand out for their exceptional user-friendliness and reliability. Your engine will stay cleaner for extended periods, reducing the frequency of required cleaning and oil changes. As a result, overall operational costs decrease significantly, providing added value and savings.

Total base number

TBN is an indication of the amount of base reserve additive available to neutralize strong acids, which are a by-product of the combustion processes.

Good TBN retention prevents the accumulation of strong acids in the oil which leads to corrosive wear.

Continuous development in R&D

Continuously striving for improvement and innovation, we ensure that our products deliver the best possible results. Our commitment is to provide customers with even greater benefits in their operational activities through our ongoing efforts.

BENEFITS

- Outstanding TBN retention and oxidation stability
- Effective control of the combustion chamber deposits
- Enhanced cleanliness of piston ring grooves, significantly reducing the risk of ring sticking
- Prevention of varnish and sludge formation



Q8Oils & JENBACHER

A STRATEGIC PARTNERSHIP

INNIO and Q8Oils have joined forces in a long-term partnership agreement to supply lubricants globally for Jenbacher gas engines operating on non-natural gas, such as sewage gas, biogas, and landfill gas.

Through this collaboration, knowledge sharing is amplified, and it paves the way for accelerated and innovative product development in the years to come. Building upon our successful technological partnership, which has thrived for over three decades, this agreement aims to enhance the longevity and efficiency of Jenbacher type 2, 3, 4, and 6 engines running on non-natural gas.

Strong OEM Relationships

At Q8Oils, we provide top-notch products, but our commitment doesn't end there. We continuously strive for improvement in all aspects of our operations, which is why we comply with international standards and quality systems.

OEM approvals are an integral part of our stringent quality standards at Q8Oils. Thanks to our strong relationships and official partnerships with various manufacturers in the industry, we can offer official OEM approvals while continuously pushing the boundaries of innovation. This approach enables

us to develop the best-performing gas engine oils, providing effective solutions to the sector's challenges.

Our close collaboration with OEMs allows us to secure official approvals for these products. For instance, the Q8 Mahler range has received approval from all leading gas engine OEMs.

ABOUT INNIO



INNIO is a leading solutions provider of gas engines, power equipment, a digital platform and related services for power generation and gas compression at or near the point of use. With the Jenbacher and Waukesha product brands, INNIO pushes beyond the possible and looks boldly toward tomorrow.





STATIONARY GAS ENGINE OILS

Q8Oils' value-added services

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Q8Oils PALub

Product Applications Lubricants (PALUB) represents the technical service division of Q8Oils. Our team comprises passionate experts with extensive knowledge in the sector. Don't hesitate to reach out to us for inquiries regarding product applications, specifications, safety requirements, and any other relevant information. We are here to assist you with enthusiasm and expertise.

Advise

Contact us for all your questions about our product range, new products, and market specifications.

Sales support

Our experts also support the sales team in visiting companies and distributors.

Training

We organise training courses on new products and/or applications, as well as extended introduction sessions for newcomers to the oil market.

More information on <https://www.Q8Oils.com/palub/>

Intermediary

PALUB can act as an intermediary between you and our R&D team.

Maintenance

We handle the maintenance of all tools provided through Q8Oils.

Marketing support

PALUB can provide support in the preparation of product datasheets, the development of brochures, translations (FR, NL, DE) and the creation of labels for large packaging.

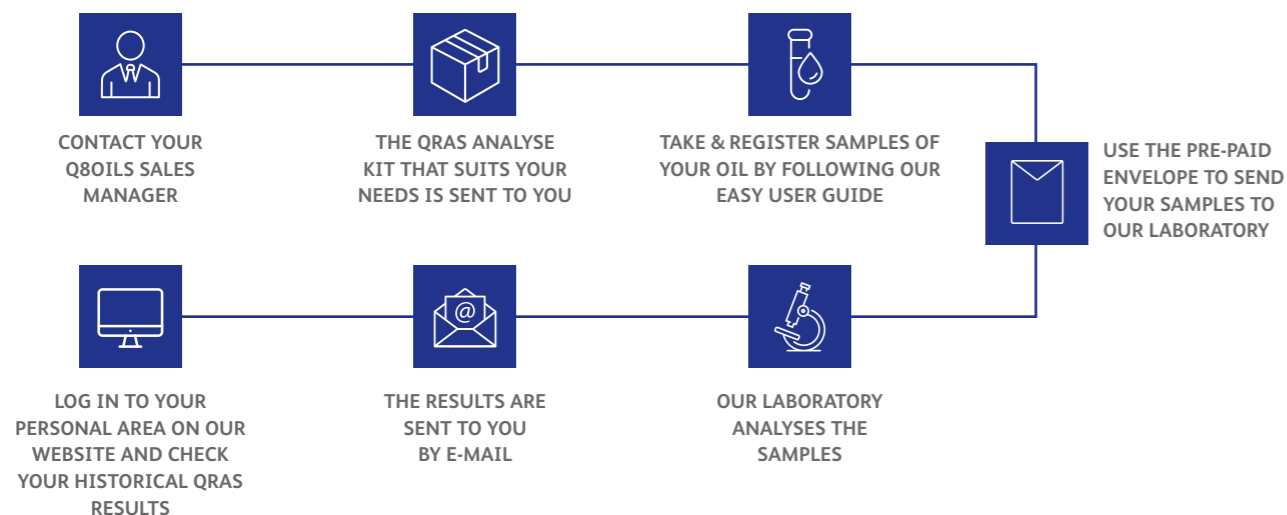


QRAS

Q8Oils routine analysis service

Q8Oils understands that operating conditions vary significantly, and we are here to offer expert advice on selecting the most suitable oil for your specific application. Take advantage of QRAS, designed to enhance your productivity and reliability to the fullest. Remember, knowledge comes from measurement!

Our Q8 Routine Analysis Service (QRAS) is a specialised offering for our valued customers and partners. Through this analysis, customers can extend the lifespan of their engines or machines, reduce operating costs, and optimise their lubrication programme. Regular oil analyses help prevent potential severe damage or breakdowns by identifying issues and providing insights into the necessary actions to be taken and their level of urgency, as interpreted by our team of experts.



BENEFITS

- Access your results online anytime for your convenience.
- Get personalised recommendations from our technical expert support team regarding your oil condition and engine wear.
- Receive an in-depth report encompassing all pertinent details, including historical data, oil sample analysis, machine condition, and more.



Boroscope service

Engine inspection with the newest technology

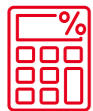
Your business relies on the daily operation of gas engines, making regular maintenance and accurate inspections crucial to keep everything running smoothly. Boroscopes, optical instruments utilized for inspections in hard-to-reach areas, come to the rescue. They enable users to look inside machined parts and detect internal defects that may remain hidden to the naked eye, all without the need for dismantling the machine.

BENEFITS

- Avoid extensive dismantling of the engine; only the necessary parts related to any breakdown require attention.
- Reduce the time required to assess the engine's technical condition, minimising downtime.
- Early identification of potential damage or malfunctions.
- Crystal-clear, high-quality images from the boroscope enable us to spot even the tiniest imperfections.

More tools for GEO owners

How can you be sure that one oil type offers better results than the other? Discover the Q8Oils' range of outstanding gas engine oils via our easy-to-use applications and find out what value they can bring to your operations.



Cost-benefit calculator

A comprehensive tool that facilitates a detailed cost comparison among various gas engine lubricants.

In its calculation, this tool considers a wide range of parameters such as price, drain interval, down time, oil consumption, maintenance costs, etc.



Product equivalent guide

A quick and easy reference for identifying the appropriate Q8Oils equivalent for most gas engine lubricants. The recommendation will include the required technical specifications.



Approvals and recommendations

An important tool that provides every gas engine operator with the most current and relevant information regarding available lubricant options, tailored to their specific engine type, model, and gas application.

The recommendations provided will encompass all OEM requirements.

More information: <https://tools.Q8Oils.com/en/home/>



Q8Oils customer service:

driving our customers' success

Our customer service team has over 15 dedicated professionals, ensuring full customer satisfaction. We have multi-lingual teams to serve our domestic customers, as well as a dedicated export team. The team is headquartered in Antwerp, Belgium, but collaborates closely with our local teams in Italy, UK, Spain, UK, USA, and Kuwait.

Contact us!

<https://www.Q8Oils.com/customer-service/>

Conclusion

By choosing Q8Oils' gas engine oils, you are making a smart investment in the long-term performance and reliability of your gas engines. Our comprehensive range of products, coupled with our industry-leading expertise and support services, will empower your business to achieve higher operational efficiency, reduced downtime, and improved profitability.

Contact our dedicated team of experts today to discover how Q8Oils can revolutionise your gas engine lubrication and take your operations to the next level.

Our sustainability commitment



As lubricants play a vital role in keeping the world moving, it is crucial that they are produced responsibly. At Q8Oils, we are dedicated to leading the way in environmental responsibility. For years, we have been dedicated to minimising our environmental impact through sustainable practices, while also supporting our customers to reduce their footprint.



Minimising footprint

Lowering our negative environmental impact

Our goal is to minimise our footprint through product innovation on every component that impacts this footprint, such as relying on renewable energy sources, optimising production processes and using sustainable raw materials.

Product Carbon Footprint

The PCF-value represents the total amount of greenhouse gas emissions associated with the lubricant and is mentioned on every product sheet for **full transparency**.



Maximizing handprint

Enhancing our positive environmental impact

At Q8Oils, we go beyond carbon neutrality. We actively contribute to the sustainability efforts of customers and partners. Our lubricants ensure energy efficiency and extended service life, helping other companies to reduce their carbon footprint.



Reduce friction



Reduce energy consumption



Increase equipment lifetime

Sustainability beyond our products

Shared value and social responsibility are rooted in our values.

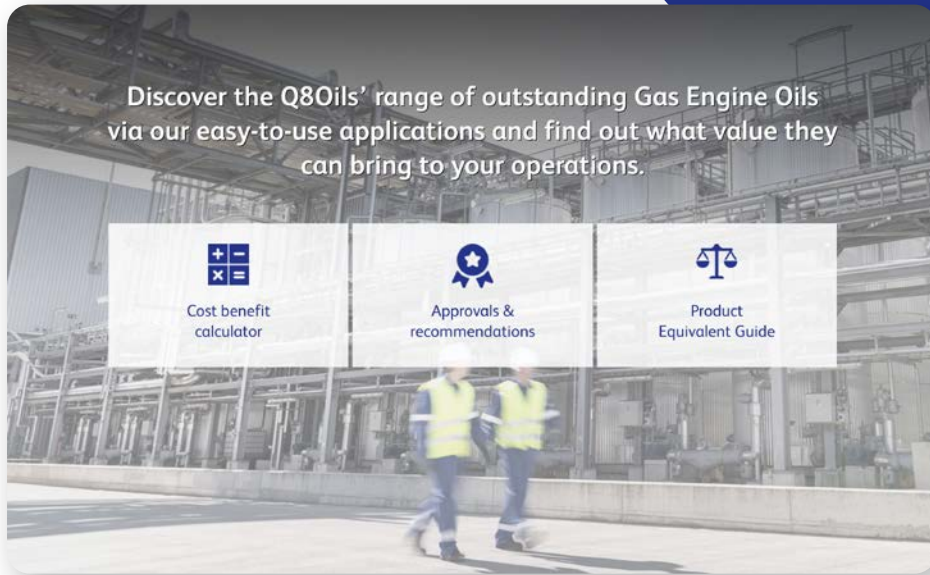
We actively engage with the communities in the regions where we operate to foster environmental stewardship and human capital development. Our BeWell program promotes employee well-being through preventive medical check-ups, wellness campaigns, and physical and mental health training.

Partnerships are vital for advancing our Sustainable Development Goals (SDGs). We collaborate with our suppliers to develop sustainable packaging solutions and help to promote responsible industry practices through our partnership with the Union of the European Lubricants Industry (UEIL).

Did you know... we're also committed to sustainability through tree planting and initiatives like World Cleanup Day?



Scan to find out more about We Take Care



Consult our oil recommendation tool to find out which Q8Oils product is suitable for optimal performance of your vehicle.

<https://tools.Q8Oils.com/>

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Visit our website
WWW.Q8OILS.COM

