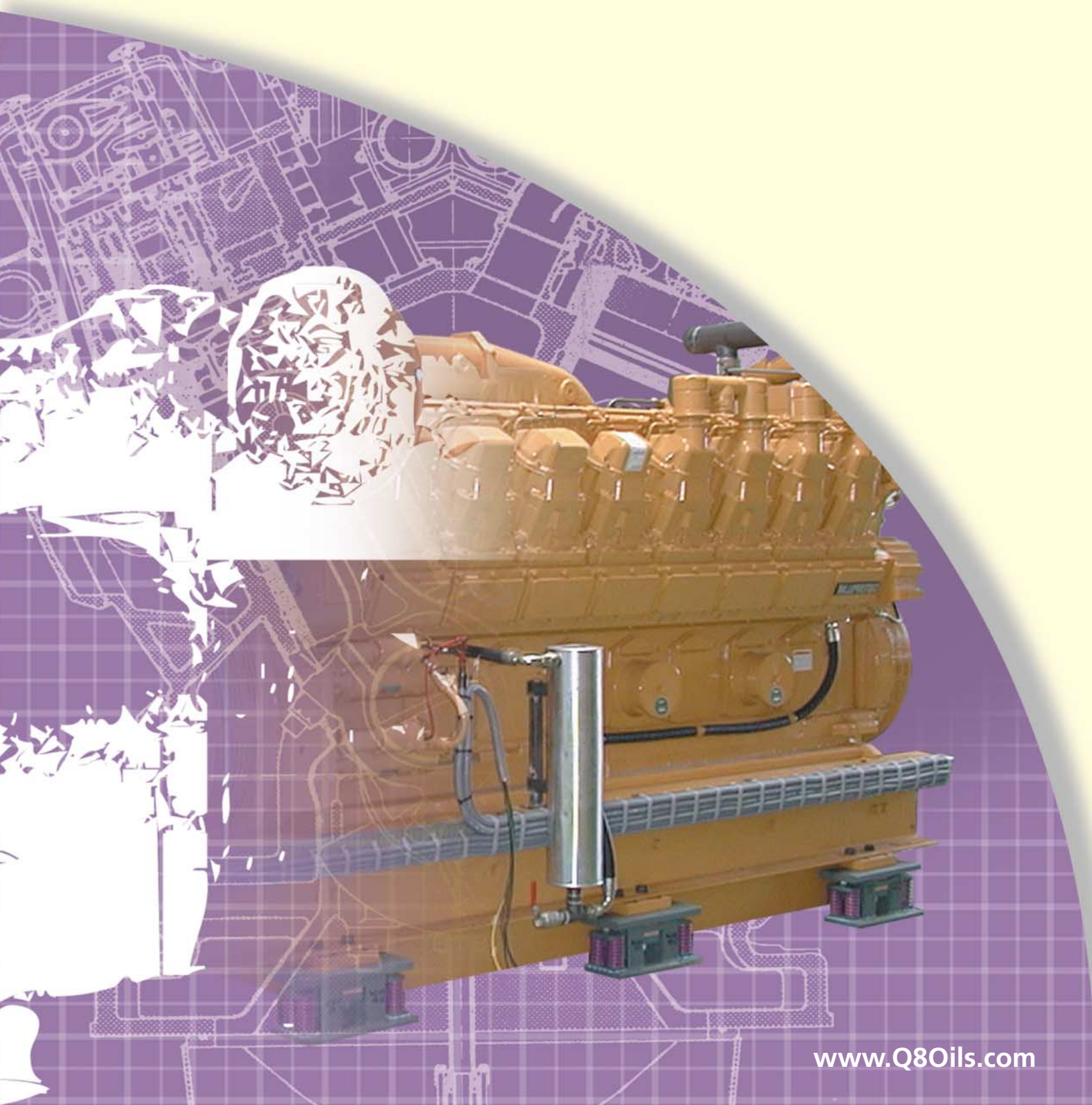


# Q8 Oils

## Q8 Mahler Gas Engine Lubricants



[www.Q8Oils.com](http://www.Q8Oils.com)

# Q8 Mahler

Gas engines present a significant technical challenge to lubricant designers. Because of the poor quality fuels that are often used the engines can experience extreme operating conditions, particularly in and around the combustion chamber.

The Q8 Mahler gas engine oil range has therefore been designed to help engines deal with these conditions, extending service intervals beyond that offered by other lubricants. All the products exhibit excellent oxidation, nitration and thermal stability characteristics that help to reduce carbonisation, varnishing and corrosion.

In field trials with major gas engine OEM's Q8 Mahler has demonstrated superior performance to other gas engine lubricants, giving higher levels of protection against piston ring scuffing, cylinder wear and valve seat wear.

## Q8 Oils - Quality Technology

These advances in lubricant technology are only possible because of Q8Oils unique position within the industry.

With complete control of our crude oil feedstock we are one of the few companies who can guarantee consistent product quality. The base oils produced at our European refinery are acknowledged to be of the highest quality available within the industry.

It is the combination of quality base oils, extensive research and development facilities and five modern European blending plants that has enabled us to develop some of the most advanced gas engine oils on the market today.



### Q8 Mahler LA

SAE 40

TBN mg KOH/g - D 2896 = 3.0  
Sulphated ash mass % - D 874 = 0.35

A low ash lubricant for natural gas engines operating under mild to severe conditions. Q8 Mahler LA is approved by Deutz AG (MWM) and Rolls Royce Bergen.

### Q8 Mahler CO

SAE 40

TBN mg KOH/g - D 2896 = 5.2  
Sulphated ash mass % - D 874 = 0.45

A medium ash lubricant for natural gas engines operating under mild to severe conditions. It was originally developed to lubricate Caterpillar 3600 engines.

### Q8 Mahler MA

SAE 40

TBN mg KOH/g - D 2896 = 5.5  
Sulphated ash mass % - D 874 = 0.5

A medium ash lubricant for natural gas engines operating under mild to severe conditions. Q8 Mahler MA is approved by the Danish Caterpillar dealer Enmaco, Jenbacher Energiesysteme AG, Deutz AG (MWM), MAN, MDE Dezentrale Energiesysteme GmbH, Ficantieri, Niigata, Waukesha, Wartsila and Rolls Royce Bergen.

### Q8 Mahler HA

SAE 40

TBN mg KOH/g - D 2896 = 7.9  
Sulphated mass % - D 874 = 0.9

A high ash lubricant for engines running with natural gas, bio-gas or landfill gas and operating under mild to severe conditions. Q8 Mahler HA is approved by Jenbacher Energiesysteme AG and Waukesha. (Approval Deutz AG (MGM) pending).

### Q8 Mahler S

SAE 20W-40

TBN mg KOH/g - D 2896 = 5.7  
Sulphated ash mass % - D 874 = 0.49

A low to medium ash part synthetic lubricant for natural gas engines operating under mild to severe conditions. It should be used according to the original equipment manufacturers specification for sulphated ash and TBN. (Approval Rolls Royce Bergen pending).

### Q8 Mahler T

SAE 15W-40

TBN mg KOH/g - D 2896 = 6.9  
Sulphated ash mass % - D 874 = 0.9

A high performance lubricant for 4-stroke heavy duty diesel engines converted to run on Liquefied or Compressed Natural Gas, or LPG, and operating under severe conditions with standard oil drain intervals. These converted diesel engines may be normally aspirated, turbo-charged or super-charged and with or without inter-cooling. Commonly used in buses or other city transport, it is also suitable for stationary engines. Q8 Mahler T is designed for the following specifications and gas engines; API CF-4; DAF LPG; Mercedes-Benz 226.9; MAN 3271-1; Volvo CNG powered.



## The Q8 Mahler range - designed to perform...

- Contain high boiling point, narrow cut base oils which reduce oil consumption
- Long service life due to high oxidation resistance
- High levels of detergency to keep engine components clean
- Good resistance against nitration
- Protects against valve seat recession
- Good acid neutralising performance
- Protects against rust and corrosion
- Prevents the formation of deposits on valves and pistons
- Avoids pre-ignition initiated failures
- Provides TBN retention for engine cleanliness

Inspection pictures of an engine using Q8 Mahler



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