

Jenbacher N Oil 40

High Performance Gas Engine Oil for Jenbacher Natural Gas Applications

Key Benefits



Doubled⁽¹⁾ oil life, boosted even further by extended used oil condemning limits approved by INNIO Jenbacher



Enhanced dispersant and detergent performance for excellent cleanliness



Well-balanced ash content enabling excellent resistance to valve recession

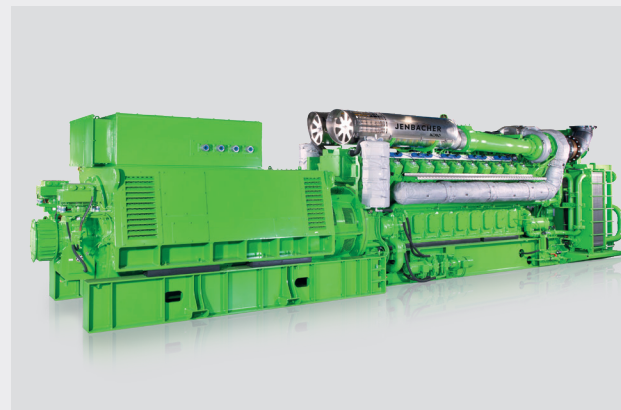
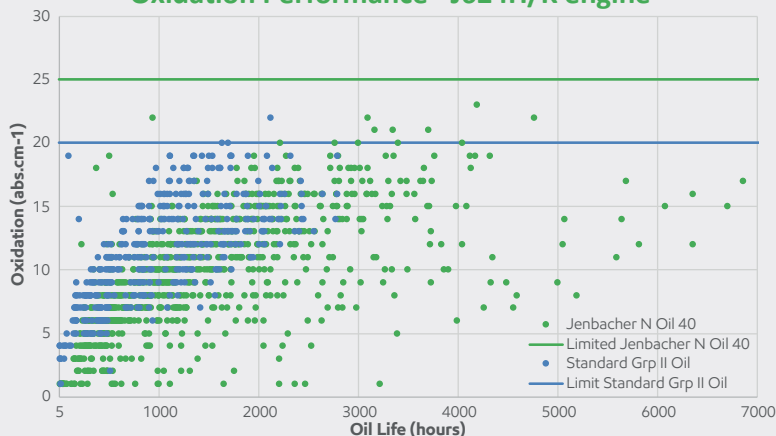
Jenbacher N Oil 40 high performance gas engine oil is the result of the long-term collaboration between INNIO and ExxonMobil - respective market leaders in the design of gas engines and their lubrication. This high quality oil, based on the very latest ExxonMobil lubricant technology, is designed to provide excellent engine protection for the entire suite of Jenbacher engines when using natural gas as fuel.

Double oil life

Jenbacher N Oil 40 is designed to double⁽¹⁾ your oil drain intervals without compromising protection of critical engine components.

Thoroughly tested and validated in over 800 natural gas engines for more than 8 million hours, the technology deployed in Jenbacher N Oil 40 is proven to offer an enhanced oxidation performance that helps you to reduce your life cycle costs by up to 30% versus other commonly used long drain lubricants⁽¹⁾.

Oxidation Performance - J624H/K engine



INNIO's Jenbacher natural gas engines operate under extreme conditions. That's why INNIO and ExxonMobil, bringing their own respective expertise into the design, co-developed this high quality gas engine oil to meet the evolving needs of today's power generation industry. Jenbacher N Oil 40 offers you the following benefits :

- An optimised blend of base oil and high performance additives helps decrease downtime with longer oil drain intervals
- Great solvency for high temperature deposit control
- Enhanced dispersant properties for cleanliness and soot control that helps extend filter life and reduce maintenance costs
- Well-balanced ash content enabling excellent resistance to valve recession, providing enhanced dry lubrication properties

Jenbacher N Oil 40 is approved for the entire Jenbacher natural gas engine portfolio

- ✓ TYPE 2
- ✓ TYPE 3
- ✓ TYPE 4
- ✓ TYPE 6
- ✓ TYPE 9

Made with technology used in Mobil™ gas engine oils

(1) This result is based on the experience of multiple customers during field validation. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used. Extended used oil life is based on normal use of the product, as described in the technical instructions from INNIO Jenbacher.

Jenbacher N Oil 40

Extended oil condemning limits

Based on the proven, state-of-the-art technology of Jenbacher N Oil 40, you can rely on long oil drain intervals and extended oil condemning limits without compromising on protection of critical engine parts. With these new condemning limits, Jenbacher N Oil 40 helps you to reduce the total life cycle cost by up to 30%⁽¹⁾.

Parameter	Standard Jenbacher Limit	Jenbacher N Oil 40
Oxidation (ABS.cm-1)	20	25
TBN, mg KOH/g	-50%	Absolute TBN 3.0

Note: additional information, including approved labs and measurement methods to be found in TA 1000-0099B

In addition, this high quality gas engine oil helps you reduce downtime and helps generate reliable and efficient power.

Engine protection

Deposit formation in ring grooves can lead to ring sticking, liner wear and piston seizure.

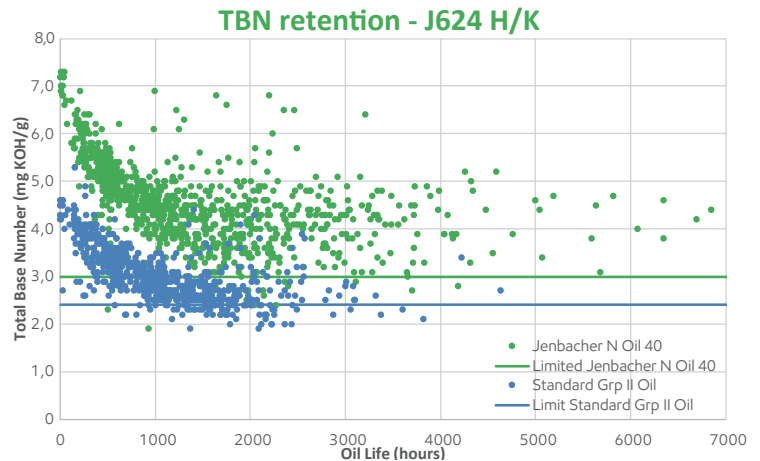
Jenbacher N Oil 40 has been developed by INNIO and ExxonMobil in close collaboration, resulting in a formulation that helps to limit deposit formation and improve engine reliability.



In addition, Jenbacher N Oil 40 improves dry lubrication characteristics with adequate ash formation on valve seat to reduce valve recession and maximise cylinder head life.

Excellent TBN retention

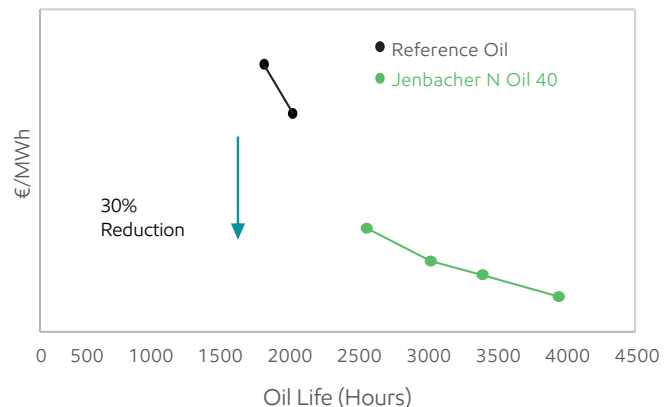
The well-balanced base oil and additive combination of Jenbacher N Oil 40 helps stabilise the TBN retention, which helps you maintain optimised engine performance and extending the entire oil drain interval⁽¹⁾.



Operations Manager using Jenbacher N Oil 40:

"The results so far have exceeded expectations. Having run one of our Jenbacher 616 engines on this oil for the last **10.000 hrs** we have realised **lower life cycle costs** and **higher reliability** compared with our existing oil. We have more than **doubled the oil life⁽¹⁾** and seen a **reduction in cylinder head wear.**"

Oil Life Cycle Costs



Advancing Productivity™

Safety

Reduced maintenance and long service intervals help you mitigate potential employee risk arising from direct contact with equipment.

Environmental Care*

Jenbacher N Oil 40 helps to reduce oil consumption via extended oil drain intervals and better keep-clean features.

Productivity

With the extended condemning limits Jenbacher N Oil 40 helps reducing downtime and improve reliability.

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* Visit mobil.eu to learn how certain Mobil-branded lubricants may provide benefits to help reduce environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.

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