Mobil

# Jenbacher N Oil 40

Mobil Industrial , Slovenia

High Performance Gas Engine Oil

JENBACHER

## Product Description

Jenbacher N Oil 40 is a high performance gas engine oil formulated for current & next generation of Jenbacher natural gas engines. It has been designed as a major component of the engine, in close cooperation between INNIO Jenbacher[1] and ExxonMobil[4] engineers.

With more than 8 million hours of accumulated field data from long term monitoring in more than 800 units, the formulation of Jenbacher N Oil 40 engine oil has been confirmed to provide 2 times[2] extended oil life and reduced life cycle costs (LCC) of up to 30% compared to other typical approved gas engine oils[3]. Specifically developed and carefully validated new used oil limits have been released by INNIO Jenbacher for this product to provide extended and reliable oil drain intervals.

Jenbacher N Oil 40 can help users keep their Jenbacher engines running longer and cleaner[2] with improved reliability, excellent alkalinity reserve and retention, resulting in increased productivity.

Approvals:

Jenbacher N Oil 40 is approved for the whole range of Jenbacher natural gas engines – Type 2, Type 3, Type 4, Type 6 and Type 9.

For latest approvals, refer to INNIO Jenbacher's technical instructions TA 1000-1109 and TA 1000-1108 which can also be found at http://innio.com/engineoil (internet) or https://customer.innio.com/en/ (intranet for signed-in users only).

## Features and Benefits

Jenbacher N Oil 40 can help[2]:

- Provide extended oil life up to 2 times longer than standard intervals through outstanding oxidation stability combined with extended condemning limits for used oil analyses
- Reduce Life Cycle Costs (LCC) by up to 30%
- Provide excellent valve protection through improved dry lubrication properties that result in less valve recession
- Ensure clean engine components through enhanced dispersion properties and soot handling
- Control high temperature deposits due to excellent solvency properties
- Consolidate lubricant inventory across operations, as Jenbacher N Oil 40 can be used across the entire Jenbacher portfolio of natural gas engines

[1] INNIO and Jenbacher indicate a trademark

[2]Actual benefits 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.

[3]See Jenbacher N Oil 40 performance profile on www.JenbacherNOil40.com

[4]ExxonMobil is comprised of numerous affiliates and subsidiaries, including Imperial Oil licensee

## Applications

All Jenbacher natural gas engines – Type 2, Type 3, Type 4, Type 6 and Type 9.

## Specifications and Approvals

| This product has the following approvals: |
|---|
| INNIO Jenbacher TI 1000-1108 (Class A fuel gas, Type 9) |
| INNIO Jenbacher TI 1000-1109 (Class A fuel gas, Type 4 all versions, extended drain) |
| INNIO Jenbacher TI 1000-1109 (Class S special gas applications) |

### Properties and Specifications

| Property | |
|---|---|
| Grade | SAE 40 |
| Pour Point, °C, ASTM D97 | -18 |
| Kinematic Viscosity @ 100 C, mm2/s, ASTM D445 | 13.2 |
| Viscosity Index, ASTM D2270 | 111 |
| Ash, Sulfated, mass%, ASTM D874 | 0.6 |
| Total Base Number, mgKOH/g, ASTM D2896 | 7.4 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 269 |
| Kinematic Viscosity @ 40 C, mm2/s, ASTM D445 | 114 |
| Density @ 15.6 C, g/cm3, ASTM D4052 | 0.88 |

### Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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