Mobil

Jenbacher NX Oil 40

Mobil Industrial , Kyrgyzstan

High Performance Gas Engine Oil

Product Description

Jenbacher NX Oil 40 is a high performance gas engine oil formulated for the next generation of Jenbacher natural gas engines. It has been designed as a major component of the engine, in close cooperation between INNIO Jenbacher1 and ExxonMobil2 engineers.
Jenbacher NX Oil 40 represents a major advancement in gas engine lubrication. Meticulously designed to closely align with the Jenbacher engine platform and its hardware development, it can meet the evolving design and application requirements of next-generation Jenbacher Type 2, 3, 4, and 6 engines operating on 100% pipeline gas as well as on mixtures with up to 60% hydrogen content.
By integrating ExxonMobil's proprietary advanced in-house technology with a high viscosity index base oil, Jenbacher NX Oil 40 delivers a significant performance enhancement compared to standard gas engine oils, even in challenging environmental conditions.
1 INNIO and Jenbacher indicate a trademark
2ExxonMobil is comprised of numerous affiliates and subsidiaries, including Imperial Oil licensee

Features and Benefits

Designed for high functionality, Jenbacher NX Oil 40 was tailored to elevate the performance of your Jenbacher engines in challenging environments:
• Cold-start capability: Enables reliable engine starts even in low ambient temperatures.
• Stable viscosity: Maintains consistent viscosity throughout the oil's lifespan for superb lubrication.
• Improved dispersancy: Effectively handles higher loads, maintaining visibly cleaner oil at longer oil drains, prolonging oil life and performance.
• Fine particle reduction: Reduces the formation of fine particles, extending filter longevity.
• Combustion chamber protection: Decreases deposits while providing excellent protection for engine valves.
• Hydrogen readiness: Is compatible with up to 60% hydrogen fuel for a cleaner, more sustainable energy solution.

Applications

All Jenbacher natural gas engines – Type 2, Type 3, Type 4, Type 6. Developed for next generation Jenbacher natural gas engines Type 2 / 3 / 4 / 6 & J920.
Jenbacher NX Oil 40 was developed for use in fuel class A and can be substituted for all existing approved lubricating oils for pipeline gas engines as specified in technical instructions TA 1000-1109. In addition to all base load engines and versions, it is the recommended product for data center, peaking, fast-start, and cold-start applications, and only official tested product for J701, J702, J711, J712, J715, J781, J782 and J783 versions.

Specifications and Approvals

This product has the following approvals:
INNIO Jenbacher TI 1000-1109 (Class A fuel gas, Type 2, 3, 4 & 6)
INNIO Jenbacher TI 1000-1108 (Class A fuel gas, Type 9)

Properties and Specifications

Property	
Grade	SAE 40
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	84
Viscosity Index, ASTM D2270	148
Total Base Number, mgKOH/g, ASTM D2896	7.4
Density @ 15 C, g/cm3, ASTM D4052	0.84

Property	
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	13.1
Ash, Sulfated, wt%, ASTM D874	0.6
Pour Point, °C, ASTM D97	<-35
Flash Point, °C, ASTM D92	267

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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