

SHANGHAITECH ACHIEVES 2,000+ HOUR DRAIN INTERVALS WITH CHEVRON HDAX 9300

Chevron HDAX® 9300 SAE 40 enabled ShanghaiTech University Energy Center to achieve over 2,000 hours of uninterrupted power generation with low oil consumption in their Jenbacher steel piston engine.



THE CHALLENGE

- ShanghaiTech sought to extend oil drain intervals (ODIs) beyond the 1,500-hour benchmark achieved with industry-standard oils in their Jenbacher engine.
- They aimed to evaluate HDAX 9300's performance in terms of ODI, oil consumption, and base number retention.

COMPANY:

ShanghaiTech University
Energy Center

LOCATION:

Zhangjiang Campus,
Pudong, Shanghai

APPLICATION:

Power Generation

EQUIPMENT:

INNIO Jenbacher
JMS624GS - N, steel piston



THE RESULTS

HDAX 9300 exceeded expectations, consistently achieving 2,000-hour ODIs—a significant improvement over the industry standard oil. This was accomplished with a remarkably low oil consumption rate of 0.023 g/kWhr.



The LubeWatch Oil Analysis Program played a pivotal role in maintaining optimal engine performance.

2000 HRS
ODI target met

**Exceptional
Performance**

0.023 g/kWhr
oil consumption rate

**Crucial oil properties
well within
acceptable limits**

**Excellent wear metal
control**



Solomon International Trading, an authorised distributor and service provider for INNIO Jenbacher, confirms the reliable performance of Chevron HDAX 9300 in ShanghaiTech University's three 4.4 MW each Jenbacher gas engines.

HDAX 9300 meets the Jenbacher lubricant standard, ensuring comprehensive protection. Based on this success, Solomon confidently recommends HDAX 9300.



THE RECOMMENDATION

For optimal engine performance and longevity, Chevron recommends **HDAX 9300 SAE 40**, which is approved by INNIO Jenbacher. Its premium base oils and advanced additives provide maximum protection against wear, deposits and corrosion, extending maintenance intervals and operational life.

The **LubeWatch Oil Analysis Program**, coupled with regular preventive maintenance, ensures optimal engine performance and longevity.

HDAX 9300: Premium Performance for Natural Gas Applications

HDAX 9300 is a premium medium ash gas engine oil specifically formulated for high-output 10 MWe class engines and the latest high BMEP steel piston engines. Its optimised ash level protects against valve recession while preventing ash deposits in the combustion chamber that could lead to pre-ignition.

HDAX 9300 is approved by INNIO Jenbacher for their Type 6 (version C/E/F/J/H/K) engines running on natural gas (Fuel Class A).

To find out more, visit www.caltex.com/business