



HDAX 8200 SAE 40

Premium performance extended drain gas engine oil

Product description

HDAX 8200 SAE 40 is a premium performance dispersant/detergent-type extended drain gas engine oil, designed specifically for natural gas engine applications.

HDAX 8200 SAE 40 is formulated with premium base oils which contain extremely low sulphur, nitrogen and aromatics. Designed with an advanced additive package containing ashless dispersants, oxidation inhibitors, metallic detergents and a metallic anti-wear agent, HDAX 8200 SAE 40 provides good corrosion resistance while helping to prevent combustion chamber deposits.

Customer benefits

- Formulated to offer enhanced drain intervals and reduced oil usage due to good oxidation/nitration resistance and base number retention.
- Helps reduce maintenance requirements through effective deposit, sludge, and wear control, along with corrosion prevention.
- Advanced low ash additive system helps reduce valve recession and lower pre-ignition risks.
- Designed to promote engine cleanliness with robust dispersant/detergent and oxidation/nitration resistant systems.
- Low phosphorus additive formulation helps aid good catalyst compatibility.

Product highlights

- **Formulated to offer enhanced drain intervals**
- **Helps reduce deposit and wear to lower maintenance requirements**
- **Advanced low ash additive system**
- **Designed to promote engine cleanliness**
- **Low phosphorus additive formulation**

Selected specification standards include:

MTU	Bergen Engines
Caterpillar	MWM (Caterpillar Energy Solutions)
Jenbacher	

Applications

HDAX 8200 SAE 40:

- is designed for the new generation of high output, turbocharged, low emission 4-cycle engines requiring low ash oil and is recommended for natural gas applications.
- meets the more demanding needs of high speed 4-cycle gas engines in cogeneration applications.
- is formulated to meet catalyst compatibility requirements.
- is suitable for use with fuels containing low levels of sulphur and Chloro-Fluoro-Carbons (CFC). (In sour gas/high CFC applications, lubricants with higher base reserve may be required – for example, HDAX 9500).

Approvals, performance and suitable for use

Approvals

- | | |
|--------------------------------------|--|
| • Bergen Engines | Types B, C and K |
| • Caterpillar | CG Gas Engines |
| • MTU | Series 4000 gas engines, Model types L61, L62, L63, L64 / L64FNER / T24N and Mx5xN |
| • MWM (Caterpillar Energy Solutions) | TCG Gas Engines |

Performance

- Jenbacher
Performance level for the following engine types and versions:
 - Type 2 and 3
Fuel Class A ^[1]
 - Type 4 (Version B and D)
Fuel Class A ^[1]
 - Type 4 (Version C and E)
Fuel Class A ^[1]
 - Type 6 (Version C and E)
Fuel Class A ^[1]
 - Type 6 (Version F and J)
Fuel Class A ^[1]

Suitable for use

^[1] Natural gas, associated petroleum gas, mine gas, biogas (sulphur < 200 mg/10 kWh).

Typical test data		
Test	Test Methods	Results
Viscosity Grade		SAE 40
Typical Shelf Life: 60 months from date of filling indicated on the product label		
Density at 15°C, kg/l	ASTM D4052	0.877
Kinematic viscosity at 100°C, mm2/s	ASTM D445	13.0
Pour Point, °C	ASTM D97	-15
Flash Point, COC, °C	ASTM D92	270
Total Base Number, mg KOH/g	ASTM D2896	4.6
Sulphated Ash, %wt	ASTM D874	0.6

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).

Disclaimer: Data provided in this Product Data Sheet (PDS) is based on standard tests under laboratory conditions and is indicative only. This product should not be used for any purpose other than those expressly set out in this PDS. The user has sole responsibility for verifying that this product is suitable for the user's intended application. Neither Chevron nor its subsidiaries (i) make any warranty or representation as to the accuracy or completeness of this PDS; and/or (ii) accept liability for any loss or damage suffered as a result of the use of this product other than in accordance with the terms of this PDS.

When disposing of used product, take care to protect the environment and follow local legislation.

Safety Data Sheets (SDS's) are available for all Chevron products. If you require a SDS or any further information regarding a Chevron product, please contact your local sales office or see www.texacolubricants.com.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product