HDAX 7200 Low Ash Gas Engine Oil SAE 40

High performance low ash gas engine lubricant

Product description

HDAX® 7200 Low Ash Gas Engine Oil SAE 40 is a high performance low ash, bright stock free, dispersant/ detergent type gas engine oil.

HDAX 7200 Low Ash Gas Engine Oil SAE 40 is formulated with premium base oil technology, offering a low sulphur, nitrogen and aromatic formulation. It uses a proprietary additive package containing ashless dispersants, oxidation inhibitors, metallic detergents and a metallic anti-wear agent.

HDAX 7200 Low Ash Gas Engine Oil SAE 40 offers reliable oxidation and nitration resistance, which helps reduce the build-up of insolubles and promotes long oil and filter life.

HDAX 7200 Low Ash Gas Engine Oil SAE 40 offers protection against ring and liner scuffing wear and valve recession in four-stroke engines. It also promotes piston and ring belt deposit control to help protect against the formation and build-up of engine sludge.

Customer benefits

- Promotes protection against piston, ring, and liner scuffing, scoring and wear, helping reduce wear and maintenance downtime
- Advanced additive technologies aid reduced valve recession, combustion chamber deposits, pre-ignition and sparkplug fouling
- Flexibility in maintenance scheduling through improved oxidation and nitration resistance
- Aids piston cleanliness ,varnish-free piston skirts and helps maintain resistance to ring sticking
- Formulated to promote sludge reduction and keep-clean performance in the crankcase, valve rocker cover and top deck areas

Product highlights

- **Reduced maintenance downtime**
- **Promotes increased engine protection**
- **Aids reduced valve recession, deposits, pre-ignition and sparkplug fouling**
- **Assists wear protection and increased engine life**
- **Promotes keep-clean engine performance**
- **NSCR compatibility**

Selected specification standards include:

Caterpillar	Deutz
Dresser-Rand	GE Jenbacher
MWM (Caterpillar Energy Solutions)	Rolls Royce
Rolls-Royce Solutions (MTU)	Superior
Wärtsillä	Waukesha
Worthington	

- Low phosphorous formulation assists compatibility with non selective catalytic reduction (NSCR) emission reduction systems

Applications

- HDAX 7200 Low Ash Gas Engine Oil is recommended for lean-burn and stoichiometric four-stroke engines operating under high load, high temperature conditions. It is also recommended for high-speed four-stroke gas engines used in cogeneration applications and for engines fuelled by synthetic gas
- HDAX 7200 Low Ash Gas Engine Oil is formulated to meet NSCR catalyst compatibility requirements and is suitable for installations requiring low phosphorus oil to help prevent exhaust catalyst poisoning
- HDAX 7200 Low Ash Gas Engine Oil is suitable for use with fuels containing low levels of sulphur and chlorofluorocarbons (CFCs). In sour gas/high CFC applications, lubricants with a higher base reserve may be required

Approvals, performance and suitable for use

Approvals

- Deutz TR 0199-99-01213
  913/ 914/ 2015
- Rolls-Royce Solutions (MTU) Series 400 gas engines running on natural gas or propane
- Waukesha – Cogeneration applications

Performance

- Caterpillar 3500 and 3600 engines
- Dresser-Rand Categories I, II, and III
- GE Jenbacher TA 1000-1109
  Fuel Class A [1] for the following engine types and versions:
  - Type 2 and 3
  - Type 4 Versions A and B
  - Type 6 Versions C and E
- Rolls Royce
- Superior
- Wärtsillä
- Worthington

Suitable for use

- Caterpillar CG132, CG170 and CG260 engines
- Rolls-Royce Solutions (MTU) Series 4000 models L61, L62, L63 & L64 running on natural gas
- MWM (Caterpillar Energy Solutions) Gas Engines

[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**
Density at 15 °C, kg/l	ASTM D4052	0.881
Kinematic viscosity at 40 ºC, mm²/s	ASTM D445	119
Kinematic viscosity at 100 ºC, mm²/s	ASTM D445	13.5
Viscosity Index	ASTM D445	110
Pour Point, ºC	ASTM D5950	-30
Flash Point, COC, ºC	ASTM D92	278
Total Base Number, mg KOH/g	ASTM D2896	5.1
Sulphated Ash, %wt	ASTM D874	0.51

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.

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.

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 http://europe.chevronlubricants.com.

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