



# HDAX 5200 Low Ash Gas Engine Oil SAE 30, 40

## High performance low ash gas engine lubricants

### Product description

HDAX<sup>®</sup> 5200 Low Ash Gas Engine Oils are a high performance low ash, bright stock free formulation with premium base oil technology. HDAX 5200 lubricants offer reliable oxidation and nitration resistance, which helps reduce the build-up of insolubles and promotes long oil and filter service life.

HDAX 5200 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

- Offers reduced maintenance downtime, lower maintenance costs and longer engine service life
- Promotes protection against piston, ring and liner scoring and scuffing, helping reduce wear and maintenance downtime
- Advanced additive technologies aid reduced valve recession, combustion chamber deposits, pre-ignition and sparkplug fouling
- Improved piston cleanliness helps maintain varnish-free piston skirts and resistance to ring-sticking
- Formulated to promote sludge minimisation and keep-clean performance in the crankcase, valve rocker cover and top deck areas
- Low phosphorus formulation assists compatibility with NSCR (non selective catalytic reduction) emissions reduction systems

### 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	Delaval Enterprise
Deutz	Dresser-Rand
GE Jenbacher	MAN Diesel & Turbo
MWM (Caterpillar Energy Solutions)	Superior
Tedom	Wärtsilä
Waukesha	Worthington

### Applications

- HDAX 5200 Low Ash Gas Engine Oils are recommended for four-stroke and selected two-stroke stationary engines fuelled by natural or synthetic gas.
- HDAX 5200 Low Ash Gas Engine Oils are formulated to meet NSCR catalyst compatibility requirements and are especially suited for installations requiring low phosphorus oil to prevent exhaust catalyst poisoning.
- HDAX 5200 Low Ash Gas Engine Oils are suitable for use with fuels containing low levels of sulphur and Chloro-Fluoro-Carbons (CFC). In sour gas/high CFC applications, an oil with higher base reserve may be required.

### Approvals, performance and recommendations

#### Approvals (SAE 40 grade only)

- Caterpillar CG132, CG170 and CG 260 engines
- Deutz TR 0199-99-01213  
913/ 914/ 2015
- Jenbacher TA 1000-1109  
Approved for the following engine types and versions (including engines fitted with an oxidation catalytic converter):
  - Type 2 and 3  
Fuel Class A <sup>[1]</sup>
  - Type 4 (version A)  
Fuel Class A <sup>[1]</sup>
  - Type 4 (versions B and D)  
Fuel Class A <sup>[1]</sup>, Class B <sup>[2]</sup> and Class C <sup>[3]</sup>
  - Type 4 (version C)  
Fuel Class A <sup>[1]</sup>, Class B <sup>[2]</sup> and Class C <sup>[3]</sup>
  - Type 6 (versions C and E)  
Fuel Class A <sup>[1]</sup>
  - Type 6 (versions F and J)  
Fuel Class A <sup>[1]</sup>, Class B <sup>[2]</sup>, and Class C <sup>[3]</sup>
  - Special gas applications  
Fuel Class S <sup>[4]</sup>
- MAN Diesel & Turbo – 4 stroke medium speed engines operating on natural gas (LNG, CNG)
- MWM (Caterpillar Energy Solutions) Gas Engines
- Wärtsilä Gas engines and dual fuel engines with natural gas as main fuel
- Waukesha Cogeneration applications
- Waukesha 220GL

### Performance

- Caterpillar 3500 and 3600 engines
- Delaval Enterprise
- Dresser-Rand Category I, II and III
- Superior
- Tedom 61-0-0281.1 Fuel types G (natural gas), P (propane/butane)
- Worthington Four-stroke

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

<sup>[2]</sup> Biogas, sewage gas

<sup>[3]</sup> Landfill gas

<sup>[4]</sup> Hydrogen fuel gases, thermoselect gases and steel mill gases as well as wood gas, syngas and pyrolysis gases with a high hydrogen content

Typical test data			
Test	Test methods	Results	
Viscosity Grade		SAE 30	SAE 40
<b>Shelf Life: 60 months from date of filling indicated on the product label.</b>			
Density, 15°C, kg/l	ASTM D4052	0.877	0.879
Kinematic viscosity, 40°C, mm <sup>2</sup> /s	ASTM D445	97.3	124
Kinematic viscosity, 100°C, mm <sup>2</sup> /s	ASTM D445	11.4	13.5
Viscosity Index	ASTM D2270	104	104
Pour point, °C	ASTM D5950	-31	-33
Flash point COC, °C	ASTM D92	215	260
Total Base Number, mg KOH/g	ASTM D2896	4.2	4.2
Sulphated Ash, %wt	ASTM D874	0.5	0.5

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](http://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.

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