



# HDAX<sup>®</sup> 7200 Low Ash Gas Engine Oil SAE 40

Ultra high performance low ash gas engine lubricant

## Product description

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

HDAX 7200 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 offers reliable oxidation and nitration resistance, which helps reduce the build-up of insolubles and promotes long oil and filter life.

HDAX 7200 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:

Ajax	API
Clark-Dresser	Caterpillar
Dresser-Rand	Fairbanks-Morse
GE Jenbacher	MWM (Deutz)
Rolls Royce	Superior
Wärtsillä	Waukesha
Worthington	

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

## Applications

- HDAX 7200 is recommended for lean-burn and stoichiometric four-stroke engine operation 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 is formulated to meet NSCR catalyst compatibility requirements and is suited for installations requiring low phosphorus oil to help prevent exhaust catalyst poisoning
- HDAX 7200 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
- HDAX 7200 is formulated to meet the performance requirements of the obsolete API Service Category CD/CF

## Approvals, performance and recommendations

### Approvals

- Waukesha Powergen applications

### Performance

- API CD/CF (obsolete)
- Caterpillar categories I, II, and III
- Dresser-Rand
- GE Jenbacher
- MWM (Deutz)
- Rolls Royce
- Superior
- Wärtsillä
- Worthington

### Recommendations

HDAX 7200 Low Ash Gas Engine Oil SAE 40 is suitable for use in selected two-stroke engines manufactured by:

- Ajax
- Clark-Dresser
- Fairbanks-Morse
- Worthington

Typical test data		
Test	Test Methods	Results
Viscosity Grade		SAE 40
Product Code		002563.1
Density at 15 °C, kg/l	ASTM D4052	0.881
Kinematic viscosity at 40 °C, mm <sup>2</sup> /s	ASTM D445	119
Kinematic viscosity at 100 °C, mm <sup>2</sup> /s	ASTM D445	13.5
Viscosity Index	ASTM D445	110
Pour Point, °C	ASTM D97	-18
Flash Point, COC, °C	ASTM D92	250
Total Base Number, mg KOH/g	ASTM D2896	5.1
Sulphated Ash, %wt	ASTM D874	0.51

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

**Disclaimer** Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

**Health, safety, storage and environmental** Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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