



marine lubricants

# HDAX<sup>®</sup> 5200 Low Ash Gas Engine Oil SAE 40



## Description

HDAX<sup>®</sup> 5200 Low Ash Gas Engine Oil SAE 40 is an advanced performance, premium quality, bright stock free engine oil. It is formulated with premium base oil technology and an additive package containing ash less dispersant, oxidation inhibitors, metallic detergents and a metallic anti wear agent.

HDAX 5200 Low Ash Gas Engine Oil SAE 40 provides great oxidation and nitration resistance, which minimizes the build-up of insoluble particles and helps to provide long oil and filter life. Additionally, it gives protection against ring and liner scuffing and wear. It also minimizes valve recession in four-stroke engines and provides admirable piston and ring belt deposit control and effectively protect against the formation and build-up of engine sludge.

## Typical Characteristics

<b>MPID</b>	<b>219910</b>
Density at 15°C, kg/l	0.88
Kinematic viscosity at 100°C, mm <sup>2</sup> /s	13.5
Pour Point, °C	-33
Total Base Number, mg KOH/g	4.2
Sulfated Ash, %wt	0.5

## Recommended Applications

HDAX 5200 Low Ash Gas Engine Oil SAE 40 is recommended for four-stroke and selected two-stroke stationary engines fuelled by natural gas. It is formulated to meet catalyst compatibility requirements and are especially suited for installations requiring low phosphorus oil to prevent exhaust catalyst poisoning. HDAX 5200 Low Ash Gas Engine Oil SAE 40 is suitable for use with fuels containing low levels of sulphur.

## HDAX 5200 Low Ash Gas Engine Oil SAE 40 Is Approved For:

- ✓ **Caterpillar** CG gas engines
- ✓ **GE Jenbacher** Type 2/3 Class A, Class S Fuel
- ✓ **GE Jenbacher** Type 4A Class A, Class S Fuel
- ✓ **GE Jenbacher** Type 4B Class A, Class B, Class C, Class S Fuel
- ✓ **GE Jenbacher** Type 4CS, Class A Fuel
- ✓ **GE Jenbacher** Type 6FJ Class A, Class B, Class C, Class S Fuel
- ✓ **GE Jenbacher** Type 6CE Class A, Class S Fuel
- ✓ **GE Jenbacher** Type 6HK Class S
- ✓ **MWM** Gas engines
- ✓ **Wärtsilä** Natural gas
- ✓ **Waukesha** 220GL
- ✓ **Waukesha** COGEN Application
- ✓ **Indonesia Lemigas** NPT Number



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**Performance Benefits**

**1. Cost Effective**

Low maintenance cost and long engine life.

**2. Low Wear**

Helps to provide protection against piston, ring, and liner scuffing, scoring, and wear.

**3. Valve Protection**

The level and type of ash producing additives in the oils help to provide minimum valve recession with low levels of combustion chamber deposits to minimize the potential for preignition and spark plug fouling.

**4. Clean Pistons**

Aims to provide piston cleanliness to help prevent ring sticking and maintain clean, varnish-free piston skirts.

**5. Clean Crankcases and Top Decks**

Minimizes the formation of crankcase and valve cover/top deck sludge.

**6. Catalyst Compatibility**

Formulated to be compatible with exhaust emissions reduction systems.



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