HDAX® 5200 Low Ash Gas Engine Oil

Gas Engine Oil

Product description

Premium performance, heavy-duty, low ash crankcase oil specifically designed to lubricate a wide range of four-stroke natural gas and dual-fuel engines where low ash oils are recommended. Formulated with hydrocracked base oils and additive technology to provide exceptional oxidation and nitration resistance, extended oil and filter life, and outstanding wear protection.

Customer benefits

- **Helps maximize oil service life**
  Synergy of hydrocracked base oils, oxidation inhibitor package and dispersant provides outstanding oxidation and nitration resistance, reducing the buildup of sludges which lead to oil thickening and filter blockage.
- **Help lowers operating costs**
  Excellent deposit control on valves and piston reduces oil consumption. Exceptional oxidation and nitration resistance and deposit control extends oil drain capability so that equipment is in service longer generating revenue. Outstanding valve train wear protection maintains fuel economy.
- **Helps minimize maintenance costs**
  Exceptional oxidation resistance and dispersancy minimizes sludge formation, avoiding filter plugging, cylinder head sludge, abrasive polishing wear and oil thickening.
- **Helps extend engine life to overhaul**
  High level of anti-wear additive protects against valve train wear and scuffing of highly loaded parts operating under boundary lubrication conditions. Level and type of ash producing additives reduce valve recession and keep combustion chamber deposits to a minimum with less spark plug fouling and potential for pre-ignition.

Applications

- Four-cycle high-speed stationary spark ignition engines operating on sweet natural gas or LPG
- Four-cycle medium-speed stationary spark ignition engines operating on sweet natural gas or LPG
- Four-cycle medium-speed stationary dual-fuel pilot injection engines operating on sweet natural gas or LPG

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Product approvals, performance and recommendations

Developed independently by Chevron to comply with the following performance standards and specifications:

HDAX® 5200 LOW ASH GAS ENGINE OIL	SAE 40
Caterpillar Energy Solutions GmbH for CAT CG132, CG170 and CG260 series engines; MWM, TCG 2015, TCG 2020,TCG 2032, TCG 2032B, TCG 3016 series engines	Approved
Hyundai Himsen, OEM Engine Specific	Approved
Jenbacher TA 1000-1109, for the following engine types/ versions with catalyst compatibility: Type 2 and 3 - Fuel Class A Type 4 (versions A) - Fuel Class A Type 4 (versions B and D) - Fuel Class A, B and C Type 4 (versions C and E) - Fuel Class A, B and C Type 6 (versions C and E) - Fuel Class A Type 6 (versions F and J) - Fuel Class A, B and C Type 2 and 3, 4A, 4 (B and D, C and E), 6 (C and E, F and J) - Fuel Class S	Approved
INNIO Waukesha VGF, VHP, 275GL/GL+ and APG series engines (including 220GL) in Cogeneration/ Gas Compression (pipeline quality gas) application	Approved
Everllence (MAN Energy Solutions) 4-S medium speed engines, Natural Gas (CNG,LNG)	Approved
TEDOM 61-0-0281.1 for fuel types G (natural gas), P (propane/butane)	Approved
Wärtsilä, gas engines and dual fuel engines with natural gas as main fuel	Approved
Deutz TR 0199-99-01213/2 for 913, 914 and TCG2015 series engines	Meets the requirements
Caterpillar field test requirements for 3300, 3400, 3500, 3600 series engines	Meets the requirements

Consult OEM representatives for independent verification, updates and recommendations.

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Typical Test Data

HDAX® 5200 LOW ASH GAS ENGINE OIL	TEST METHOD	RESULTS
SAE Grade		**40**
Product Code		**530022**
Base No., mg KOH/g	ASTM D2986	4.2
Density, 15 kg/L	ASTM D4052	0.8790
Viscosity,		
mm²/s @ 40°C	ASTM D445	115
mm²/s @ 100°C	ASTM D445	13.5
Viscosity Index	ASTM D2270	104
Flash Point, °C	ASTM D92	260
Pour Point, °C	ASTM D5950	-33
Sulfated Ash, mass %	ASTM D874	0.50

ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions, and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the Product Information Center.

This Product Data Sheet (PDS) was produced for the Africa, Middle East and Pakistan region in good faith from the best information available at the time of issue. The specific information included may not directly reflect the local market or conditions. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. For the most up-to-date, country-specific information, please contact your local customer service center.

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Chevron's Family of Brands

Chevron company product

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