

LUKOIL EFFORCE HD 4009

Medium ash mineral gas engine oil

Approvals

- INNIO Jenbacher TA 1000-1109 Series 2 (A&B)
- INNIO Jenbacher TA 1000-1109 Series 3 (A&B)
- MAN M 3271-1
- MTU BR 400

Meets requirements

- MDE 57 AP 2008

Product description

Medium-ash mineral oil for gas piston engines. It is based on a highly effective additive package with a low phosphorus content to ensure compliance with the requirements of catalyst manufacturers.

Application

It is intended for use in four-stroke stationary gas piston engines operating in severe acidic conditions (biogas, landfill gas, sewer gas), as well as for old engine designs that may require oil with average ash content.

Benefits

RELIABLE PROTECTION

Provides reliable protection against impurities, sludge, acid corrosion and all types of wear at severe conditions

OXIDATION RESISTANCE

Long service life due to excellent thermal-oxidative stability

DEPOSITS PROTECTION

Keeps valves and pistons clean and protects the catalytic converter

The product name in an order: Gas engine oil LUKOIL EFFORCE HD 4009, STO 79345251-021-2011

Typical test data

The information given in the typical data does not constitute a specification and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO «LLK-International»

Property	Test methods	Value
Kinematic viscosity at 40 °C, mm ² /s	ASTM D445	163
Kinematic viscosity at 100 °C, mm ² /s	ASTM D445	13.5
Viscosity index	ASTM D2270	100
Total Base Number, mg KOH/1 g oil	ASTM D2896	8.7
Sulphated ash, %	ASTM D874	0.88
Pour Point, °C	GOST 20287 B	-27
Flash Point, COC, °C	ASTM D92	260
Phosphorous content, %	ASTM D6481 / ASTM D4951	0.027
Density at 20 °C, kg/m ³	ASTM D1298 / ASTM D4052	886.8