

## LUKOIL EFFORCE XDI 4004

High performance low ash oil with an extended drain interval for gas engines

### Approvals

- INNIO Jenbacher TA 1000-1109 Series 2 (A&B)
- INNIO Jenbacher TA 1000-1109 Series 3 (A&B)
- INNIO Jenbacher TA 1000-1109 Series 4 (A&B)
- INNIO Jenbacher TA 1000-1109 Series 6 (C&E)
- INNIO Jenbacher TA 1000-1109 Series 6 (F&J)
- MWM TR 0199-99-02105-19
- MWM TR 0199-99-12105-19
- Wartsila

### Meets requirements

- Caterpillar 3500
- Caterpillar 3600
- Cummins QSV 81G
- Cummins QSV 91G
- Waukesha

### Product description

Low-ash oil developed on synthetic technology base oils with an extended drain interval for high-performance atmospheric and turbocharged stationary engines running on natural, associated petroleum and other types of gas.

### Application

Designed for high-speed four-stroke engines running on stoichiometric and depleted gas mixtures. It is also recommended for the lubrication of gas compressors and various engines that require the use of low-ash oil.

### Benefits

#### OXIDATION RESISTANCE

Long service life due to excellent thermal-oxidative stability

#### MAXIMUM PROTECTION

Excellent protection against wear

#### ENGINE CLEANLINESS

Excellent detergent-dispersant properties

The product name in an order: Gas engine oil LUKOIL EFFORCE XDI 4004, 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
Density at 20 °C, kg/m <sup>3</sup>	ASTM D4052	874
Kinematic viscosity at 40 °C, mm <sup>2</sup> /s	ASTM D445	122
Kinematic viscosity at 100 °C, mm <sup>2</sup> /s	ASTM D445	13.6
Viscosity index	ASTM D2270	108
Total Base Number, mg KOH/1 g oil	ASTM D2896	5.4
Sulphated ash, %	ASTM D874	0.5
Flash Point, COC, °C	ASTM D92	270
Pour Point, °C	GOST 20287 B	- 31