LUKOIL LUBRICANTS COMPANY
LLK-International

LUKOIL EFFORCE 4004

High performance low ash oil for gas engines

Specifications

- INNIO Jenbacher TA 1000-1109 Series 2 (A&B)
- INNIO Jenbacher TA 1000-1109 Series 4 (A&B)
- Wartsila 32DF/50DF/25SG/28SG/34SG/175SG/220SG
- Rolls-Royce
- Mitsubishi HIET
- Perkins engine series 4000
- Caterpillar 3300/3400/3500/3600
- Cummins QSK 60G
- Guascor FGLD, SFGLD
- INNIO Jenbacher TA 1000-1109 Series 3 (A&B)
- INNIO Jenbacher TA 1000-1109 Series 6 (C&E)
- MAN Diesel & Turbo
- JSC «VDM PLANT»
- MWM TR 0199-99-2105
- MAN M 3271-2
- Cummins QSV 81G/91G
- MTU MLT 5074, A001061/29E (Category 1), Onsite Energy 400 & 4000 series
- Waukesha

Product description

Low-ash mineral oil developed for the lubrication of 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
Provides a high level of chemical stability and resistance to oxidation and nitration
MAXIMUM PROTECTION
Excellent protection against wear
LONG SERVICE LIFE
Oil charge life exceeds the best mineral oils charge life

The product name in an order: Gas engine oil LUKOIL EFFORCE 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 15 °C, kg/m3	ASTM D1298 / ASTM D4052	887
Kinematic viscosity at 100 °C, mm2/s	ASTM D445	15.0
Kinematic viscosity at 40 °C, mm2/s	ASTM D445	144.4
Viscosity index	ASTM D2270	104
Total Base Number, mg KOH/1 g oil	ASTM D2896	6.1
Sulphated ash, %	ASTM D874	0.46
Flash Point, COC, °C	ISO 2592	253
Pour Point, °C	GOST 20287 B	–28

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