

# LUKOIL AVANTGARDE CNG SAE 15W-40

Multigrade engine oil for compressed natural gas engines

## MEETS REQUIREMENTS

**ACEA** E2  
**MAN** 3271-1, 271  
**MB** 226.9, 228.1

## PRODUCT DESCRIPTION

**LUKOIL AVANTGARDE CNG SAE 15W-40** is multi-grade high-quality motor oil for compressed natural gas (CNG) engines which provides improved antiwear protection and helps to reduce ash deposits in comparison with conventional diesel oils.

**LUKOIL AVANTGARDE CNG SAE 15W-40** was formulated using highly refined mineral base stocks and modern additives package providing improved protection from high temperature deposits. The oil has excellent cold start-up performance, improved resistance to foaming, oxidation and nitration and provides decreased oil consumption through burning.

## APPLICATION

**LUKOIL AVANTGARDE SAE CNG 15W-40** is motor oil designed for CNG engines of trucks and buses.

## BENEFITS

- The oil does not have a negative effect on exhaust aftertreatment system
- The oil provides has reliable engine protection from high temperature deposits and keeps an engine clean
- Well balanced additives package provides excellent resistance to oxidation and nitration thus increasing lubricant charge life
- Perfect viscosity-temperature characteristics provide easy cold-start and engine protection from cold-start wear
- Reliable engine components protection from wear at high operating temperatures

The product name in an order:

Engine Oil LUKOIL AVANTGARDE CNG SAE 15W-40, STO 00044434-026-2013

## TYPICAL TEST DATA

PROPERTY	Test method	LUKOIL AVANTGARDE CNG SAE 15W-40
Density at 20 °C, kg/m <sup>3</sup>	GOST 3900 / ASTM D4052	879.5
Kinematic viscosity at 100 °C, mm <sup>2</sup> /s	GOST 33 / ASTM D445 / GOST R 53708	14.76
Kinematic viscosity at 40 °C, mm <sup>2</sup> /s	GOST 25371 / ASTM D2270	108.0
Viscosity index	ASTM D5293 / GOST R 52559	141
Apparent viscosity CCS at -20 °C, mPa·s	ASTM D4684 / GOST R 52257	5,911
Apparent viscosity MRV at -25 °C, mPa·s	GOST 11362	25,620
Total Base Number, mg KOH/1 g oil	GOST 30050 / ASTM D2896	7.1
Sulphated ash, %	GOST 12417 / ASTM D874	1.0
Flash Point, COC, °C	GOST 4333 / ASTM D92	230
Noack evaporation loss, %	ASTM D5800	10.6
Pour Point, °C	GOST 20287 B	-35

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO "LLK-International".