

LUKOIL AVANTGARDE

SAE 20, 30, 40, API CF/CD/SF

Series of engine oils for combined domestic vehicle park not exceeding Euro 2 requirements

MEETS REQUIREMENTS

API CF/CD/SF

AAE (Association of Automotive Engineers) "Д2/Д3"

PRODUCT DESCRIPTION

LUKOIL AVANTGARDE SAE 20, 30, 40 – are series of high quality seasonal (summer) engine oils (in accordance with SAE J 300). According to GOST 17479.1-85 the oils are denoted as M-8 (SAE 20), M-10,12 (SAE 30), M-14,16 (SAE 40).

LUKOIL AVANTGARDE SAE 20, 30, 40 are formulated using highly refined mineral base stocks and carefully selected additives package. The oils meet requirements of API CF/CD/SF and provide significantly improved protection against varnish, oxidation and possess improved EP properties as compared to GOST engine oils of "Г" and "Д" performance category.

The wide range of viscosities allows to choose the best relevant product depending on operating conditions.

The product name in an order:

Motor oil LUKOIL AVANTGARDE SAE 20, API CF/CD/SF, STO 00044434-026-2013

Motor oil LUKOIL AVANTGARDE SAE 30, API CF/CD/SF, STO 00044434-026-2013

Motor oil LUKOIL AVANTGARDE SAE 40, API CF/CD/SF, STO 00044434-026-2013

APPLICATION

LUKOIL AVANTGARDE SAE 20, 30, 40 are designed for commercial vehicles with diesel supercharged engines operated under severe conditions. These oils are also recommended for diesel engines of commercial vehicles and passenger cars with naturally aspirated petrol engines in accordance with OEM recommendation. The oils can be used in diesel and petrol engines not exceeding Euro 2 requirements.

LUKOIL AVANTGARDE SAE 20, 30, 40 enable effective operation in domestic off-road, municipal, construction and agricultural vehicles equipped with YaMZ or KAMAZ engines (up to Euro 2 level) which require API CF/CD/SF performance motor oil.

LUKOIL AVANTGARDE SAE 40 is intended for engines of machinery which operates in southern regions or in cases where "M-10" motor oil viscosity is not enough.

TYPICAL TEST DATA

PROPERTY	Test method	LUKOIL AVANTGARDE		
		SAE 20	SAE 30	SAE 40
Density at 20 °C, kg/m ³	GOST 3900 / ASTM D4052	882.8	888.8	892.9
Kinematic viscosity at 100 °C, mm ² /s	GOST 33 / ASTM D445 / GOST R 53708	8.45	11.24	13.83
Viscosity Index	GOST 25371 / ASTM D2270	104	100	95
Total Base Number, mg KOH/1g oil	GOST 11362	7.8	8.5	7.4
Total Base Number, mg KOH/1g oil	GOST 30050 / ASTM D2896	8.5	8.5	8.5
Pour Point, °C	GOST 20287 B	-24	-24	-17
Flash Point, COC, °C	GOST 4333 / ASTM D92	262	244	250
Foaming (tendency/stability):				
-at 24°C, ml	ASTM D892	10/0	10/0	10/0
-at 93.5°C, ml		30/0	20/0	50/0
-at 24°C (after test at 93.5°C), ml		10/0	10/0	10/0
Sulphated ash, %	GOST 12417 / ASTM D874	1.1	1.3	1.3
Noack evaporation loss, %	ASTM D5800	13.1	10.0	6.4

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".