

LUKOIL AVANTGARDE API CF-4/SG

Multigrade API CF-4/SG diesel/gasoline engine lubricants

APPROVALS

KAMAZ Euro-2

MEETS REQUIREMENTS

API CF-4/SG

PRODUCT DESCRIPTION

LUKOIL AVANTGARDE API CF-4/SG series are high-quality multigrade engine oils for heavy duty applications in on-highway service.

LUKOIL AVANTGARDE API CF-4/SG oils are blended with specifically selected high quality mineral (SAE 15W-40, 20W-50) and semi-synthetic (SAE 10W-40) base stocks together with proven additive technology and viscosity index improver, providing high performance and good durability in service.

APPLICATION

LUKOIL AVANTGARDE API CF-4/SG is recommended for use in diesel or mixed fleet (diesel and

gasoline) engine operations in on-highway service. This series is intended for the lubrication of heavy-duty diesel engines, naturally aspirated or turbo-charged, working under variable conditions and over wide temperature ranges whose manufacturers recommend API CF-4 performance level oils in various types of service including engines used in heavy-duty trucks, construction, mining and farming equipment.

LUKOIL AVANTGARDE API CF-4/SG is formulated with selected technology, to also meet gasoline performance requirements for 1993 and older engines according API SG category. This offers storage simplification and cost effective operation for mixed fleet operators.

The product name in an order:

Motor oil LUKOIL AVANTGARDE SAE 10W-30, API CF-4/SG STO 00044434-005-2005

Motor oil LUKOIL AVANTGARDE SAE 10W-40, API CF-4/SG STO 00044434-005-2005

Motor oil LUKOIL AVANTGARDE SAE 15W-40, API CF-4/SG STO 00044434-005-2005

Motor oil LUKOIL AVANTGARDE SAE 20W-50, API CF-4/SG STO 00044434-005-2005

TYPICAL TEST DATA

PROPERTY	Test method	LUKOIL AVANTGARDE API CF-4/SG			
		10W-30	10W-40	15W-40	20W-50
Density, kg/m ³	GOST 3900 / ASTM D 4052 or GOST P 51069 / ASTM D4052 / ASTM D1298	869,4 (at 20°C)	871,4 (at 20°C)	877,5 (at 15°C)	892,1 (at 15°C)
Kinematic viscosity at 100 °C, mm ² /s	GOST 33 / ASTM D445	12,01	14,15	14,85	17,2
Viscosity Index	GOST 25371 / ASTM D2270	154	162	145	126
Cold Cranking Viscosity (CCS), mPa·s	ASTM D5293 / GOST P 52559	4 984 (at -25°C)	5 599 (at -25°C)	4 571 (at -20°C)	5 424 (at -15°C)
Borderline Pumping Viscosity (MRV), mPa·s	ASTM D4684 / GOST P 52257	20 100 (at -30°C)	32 300 (at -30°C)	19 400 (at -25°C)	25 100 (at -20°C)
Total Base Number, mg KOH/1 g oil	GOST 11362 или GOST 30050 / ASTM D2896	9,6 (GOST 30050)	9,7 (GOST 30050)	9,1 (GOST 30050)	9,5 (GOST 11362)
Sulphated ash, %	GOST 12417 / ASTM D874	1,4	1,4	1,3	1,4
Noack evaporation loss, %	ASTM D5800	13,1	13,1	11,6	5,3
Flash Point, COC, °C	GOST 4333 / ASTM D92	222	231	234	230
Pour Point, °C	GOST 20287	-41	-41	-34	-25

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".