

AVANTGARDE

**ENGINE OILS
FOR UTILITY VEHICLES**



ALWAYS MOVING FORWARD.



■ AVANTGARDE

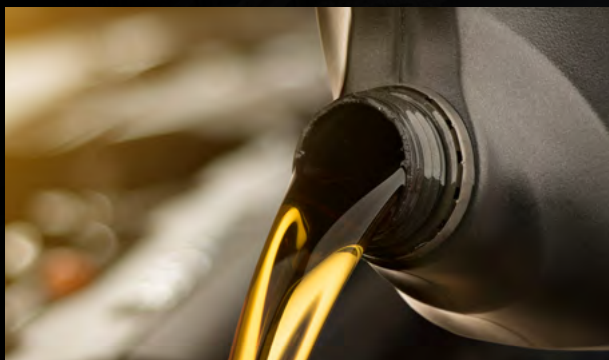
LUKOIL AVANTGARDE 10W	
LUKOIL AVANTGARDE 20W-20	
LUKOIL AVANTGARDE 30	
LUKOIL AVANTGARDE 40	
LUKOIL AVANTGARDE 50	7
LUKOIL CONSTRUCT TO-4 10W	
LUKOIL CONSTRUCT TO-4 30	
LUKOIL CONSTRUCT TO-4 50	
LUKOIL AVANTGARDE EXTRA 15W-40	8
LUKOIL AVANTGARDE ULTRA 15W-40	
LUKOIL AVANTGARDE ULTRA PLUS 10W-40	
LUKOIL AVANTGARDE PROFESSIONAL 10W-40	
LUKOIL AVANTGARDE PROFESSIONAL 5W-30	9
LUKOIL AVANTGARDE CNG 10W-40	
LUKOIL AVANTGARDE PROFESSIONAL M5 10W-40	
LUKOIL AVANTGARDE PROFESSIONAL M6 10W-40	
LUKOIL AVANTGARDE PROFESSIONAL M6 5W-30	10
LUKOIL AVANTGARDE PROFESSIONAL LA 10W-30	
LUKOIL AVANTGARDE PROFESSIONAL LA 10W-40	
LUKOIL AVANTGARDE PROFESSIONAL LA 15W-40	11
LUKOIL AVANTGARDE PROFESSIONAL LS5 10W-40	
LUKOIL AVANTGARDE PROFESSIONAL LS5 10W-30	
LUKOIL AVANTGARDE PROFESSIONAL XLA 10W-40	
LUKOIL AVANTGARDE PROFESSIONAL LE 10W-40	12
LUKOIL AVANTGARDE PROFESSIONAL LE 5W-30	
LUKOIL AVANTGARDE PROFESSIONAL XLE 5W-30	
LUKOIL AVANTGARDE PROFESSIONAL XLA 15W-40	15

LUKOIL LUBRICANTS ENABLE RELIABLE MOBILITY FOR MILLIONS WORLDWIDE AND PROVE THEMSELVES DAILY UNDER ALL CONDITIONS.

Lubricants are some of the most important technical components of our daily life – and yet they are rarely noticed. And so it should be. After all, safety and progress can only be guaranteed by high-quality products with long service lives that invisibly keep our ever more dynamic world turning smoothly. LUKOIL Lubricants takes its responsibility as a manufacturer of first-class, reliable lubricants extremely seriously. The company's products are used across a range of industries, ensuring the smooth functioning of vehicles as well as boats and agricultural machinery.

In this way, LUKOIL helps keep today's highly complex logistics networks from grinding to a halt – which would be unthinkable in our modern ultramobile society. Nor is coming to a halt an option for the LUKOIL company. Stable growth, securing of resources and steady improvement of products and processes are essential in a highly dynamic market. LUKOIL has therefore established the goal of being at the absolute top in the most challenging segment: fully synthetic, high-performance oils for modern vehicle engines. The development of LUKOIL AVANTGARDE is an impressive and successful example of this strategy – but we are always striving for more.

Founded in 1991 by a merger of regional oil and gas transport companies in the western Siberian cities of Langepas, Uray and Kogalym (LUK), LUKOIL developed into the largest private oil group in Russia. In line with its established creed of vertical integration – in other words raw material extraction, production and development as well as sales of high-quality products all at a single company – LUKOIL always strives to offer perfect service to its customers. In recent years, the focus here has been on the lubricants business.



Through constant development work at seven refineries and production sites in Europe, including the newly added production and filling plant at the oil port of Lobau, LUKOIL Lubricants has already won over more than 300 manufacturers in the automotive industry, especially with the high-quality oils for the critical European market.

The Austrian market is also gaining in importance here. After all, it is from here that LUKOIL serves all Western European countries, not only with production and development, but also with the operation of a highly efficient distribution network. The lion's share of the value creation is therefore situated in Austria – at the heart of Europe. An important signal of stability and a long-term orientation. The decades of experience of Austrian experts in the role of a Central European hub and interface between East and West also ensure smooth functioning of all critical logistical flows. With the Danube port of Lobau and the Vienna Airport, high-capacity transport routes are a given.

LUKOIL AVANTGARDE ENGINE OIL

THE PREMIUM ENGINE OIL FROM LUKOIL IS PREPARING TO CONQUER THE EUROPEAN MARKET FROM VIENNA – WITH HIGH QUALITY AND A SUSTAINABLE BUSINESS MODEL.

With the expansion of the Vienna production site and the associated strict quality controls, LUKOIL is sending a strong signal for the quality standard of LUKOIL AVANTGARDE. As a home for modern technology enterprises, Austria also guarantees a product that not only meets the strict quality, environmental and ethical standards in Austria but subsequently throughout Europe as well.

LUKOIL AVANTGARDE was specially developed to meet the ever-rising demands on engines and exhaust gas limits. Our Engine Oils are therefore ideally suited for protecting your truck – regardless of the usage and weather conditions.

This makes LUKOIL AVANTGARDE not only the first choice of many OEMs but also workshops as well.



**QUALITY IS OUR STRENGTH.
ENGINES ARE OUR PASSION.**

QUALITY FROM AUSTRIA

In our state-of-the-art production facilities in Lobau, Vienna, as well as in Finland and Romania, we manufacture over 40,000 tonnes of lubricant every year, using first-class source materials. Our scientific experts also work continuously to improve our products to guarantee ever greater reliability and progress.

In this way, LUKOIL can supply customers around the world – even in the most demanding segment of fully synthetic, high-performance lubricants – with reliable and individual solutions for special applications.

IT'S A MATTER OF TRUST.

AVANTGARDE

ENGINE OILS FOR COMMERCIAL VEHICLES



LUKOIL AVANTGARDE 10W

Prod. No.: 567510

SPECIFICATIONS

ACEA E2
API SF/CF/CF-2
MAN 270
MB 228.0
MTU Oil Category 1
ZF TE-ML 05K/21K

- LUKOIL AVANTGARDE is a mineral, single-grade Engine Oil for diverse applications.
- Suitable for various engines, such as utility vehicle engines, manual transmissions, retarders, torque converters and hydraulic systems of agricultural and construction machinery.
- Also suitable for the lubrication of air compressors.
- Usable as a detergent compressor oil.
- Suitable for use in heavy duty, charged diesel and petrol engines.



LUKOIL AVANTGARDE 20W-20

Prod. No.: 567520

SPECIFICATIONS

ACEA E2
API SF/CF/CF-2
MAN 270
MB 228.0
MTU Oil Category 1
ZF TE-ML 03A/07D



LUKOIL AVANTGARDE 30

Prod. No.: 567530

APPROVALS

ThyssenKrupp
Industrial Solutions

SPECIFICATIONS

ACEA E2
API SF/CF/CF-2
MAN 270
MB 228.0
MTU Oil Category 1
ZF TE-ML 03A/04A/04B/07D



LUKOIL AVANTGARDE 40

Prod. No.: 567542

SPECIFICATIONS

ACEA E2
API SF/CF/CF-2
MAN 270
MB 228.0
MTU Oil Category 1
ZF TE-ML 04A/04B



LUKOIL AVANTGARDE 50

Prod. No.: 567550

SPECIFICATIONS

ACEA E2
API SF/CF/CF-2
MAN 270
MB 228.0
MTU Oil Category 1
ZF TE-ML 04E



LUKOIL CONSTRUCT TO-4 10W

Prod. No.: 583540

SPECIFICATIONS

ALLISON C-4
API CF/ CF-2/ GL-4
Caterpillar TO-4
KOMATSU-DRESSER
ZF TE-ML 03C
passes the Eaton Vickers 35VQ25 vane pump test

LUKOIL CONSTRUCT TO-4 are special oils for construction machinery for use in engines, powershift transmissions, manual transmissions, lateral drives, drive axles, cable winches, hydraulic systems and hydrostatic travel drives as per manufacturer specification; specially for CAT TO-4 and many other construction machines



LUKOIL CONSTRUCT TO-4 30

Prod. No.: 583550

SPECIFICATIONS

ALLISON C-4
API CF/ CF-2/ GL-4
Caterpillar TO-4
KOMATSU-DRESSER
ZF TE-ML 03A/ 03C/ 04A/ 07D/ 07F



LUKOIL CONSTRUCT TO-4 50

Prod. No.: 583555

SPECIFICATIONS

ALLISON C-4
API CF/ CF-2/ GL-4
Caterpillar TO-4
KOMATSU-DRESSER



LUKOIL AVANTGARDE EXTRA 15W-40

Prod. No.: 567915

APPROVALS

SPECIFICATIONS

- High-performance diesel (HPD) multi-grade Engine Oil, ideally suited for a mixed vehicle fleet
- This oil features outstanding ageing resistance and a high cleaning capacity with respect to combustion residues and deposits
- Suitable for older petrol and diesel passenger car engines without diesel particulate filter

API SJ/ CH-4

Cummins CES 20076
Deutz DQC II
Mack EO-M
MAN M 271
Renault VI RLD
VOLVO VDS-2
ZF TE-ML 03A/ 04P/ 07D

AVANTGARDE

ENGINE OILS FOR COMMERCIAL VEHICLES



LUKOIL AVANTGARDE ULTRA 15W-40

Prod. No.: 568321	APPROVALS	SPECIFICATIONS
<ul style="list-style-type: none"> ■ Super-high-performance diesel (SHPD) multi-grade Engine Oil for mixed vehicle fleets and extended oil change intervals. Also suitable for diesel passenger car engines without diesel particulate filter ■ Ensures long oil change intervals as per manufacturer specifications 	API SL/ CI-4 Cummins CES 20078 Deutz DQC III-10 MB 228.3 MTU Oil Category 2	ACEA E7 Caterpillar ECF-1-a/ ECF-2 Cummins CES 20071/ 72/ 76/ 77 DAF Detroit Diesel DFS 93K215 Mack EO-M Plus/ EO-N MAN M 3275-1 Renault VI RLD-2 VOLVO VDS-3 ZF TE-ML 03A/ 04P/ 07D



LUKOIL AVANTGARDE ULTRA PLUS 10W-40

Prod. No.: 567820	APPROVALS	SPECIFICATIONS
<ul style="list-style-type: none"> ■ Synthetic super-high-performance (SHPD) diesel Engine Oil for mixed vehicle fleets ■ It is suitable for extended oil change intervals in utility vehicles and offers optimal wearing and corrosion protection as well as outstanding ageing resistance. It reduces the friction in the engine and lowers the fuel consumption ■ Usable year-round, even for older petrol and diesel passenger car engines without diesel particulate filter 	API SL/ CI-4 Cummins CES 20078 Deutz DQC III-10 Mack EO-N MAN M 3275-1 MB-Approval 228.3 MTU Oil Category 2 Renault VI RLD-2 VOLVO VDS-3	ACEA E7 Caterpillar ECF-1-a/ ECF-2 Cummins CES 20076/ 77 Global DHD-1 Mack EO-M Plus Renault VI RLD ZF TE-ML 03A/ 05K/ 07D/ 21K



LUKOIL AVANTGARDE PROFESSIONAL 10W-40

Prod. No.: 568351	APPROVALS	SPECIFICATIONS
<ul style="list-style-type: none"> ■ Synthetic ultra-high-performance diesel Engine Oil ■ Specially for modern, low-emission utility vehicle diesel engines (also SCR) ■ Maximum Engine cleanliness and long oil change intervals ■ Offers high wearing protection and lifespan 	API CI-4 Deutz DQC III-10 Mack EO-N MAN M 3277 MB-Approval 228.5 MTU Oil Category 3 Renault VI RLD-2 Scania LDF-3 VOLVO VDS-3	ACEA E4/ E7 Cummins CES 20072 DAF, DAF HP 2 IVECO 18-1804 Classe TFE IVECO 18-1804 T3 E4 Mack EO-M Plus Renault RXD ZF TE-ML 04C



LUKOIL AVANTGARDE PROFESSIONAL 5W-30

Prod. No.: 568374	APPROVALS	SPECIFICATIONS
<ul style="list-style-type: none"> ■ Synthetic ultra-high-performance diesel Engine Oil (SUHPD) for maximum performance requirements ■ For modern, low-emission utility vehicle diesel engines and the longest oil change intervals ■ Exceptional fuel efficiency properties ■ Reduces fuel consumption in all high-performance utility vehicle diesel engines 	Deutz DQC IV-10 Ford WSS-M2C212-A1 Mack EO-N MAN M 3277 MB-Approval 228.5 MTU Oil Category 3 Renault VI RLD-2 Scania LDF-3 VOLVO VDS-3	ACEA E4/ E7 Cummins CES 20077 DAF Renault VI RLD/ RXD

LUKOIL AVANTGARDE CNG 10W-40



Prod. No.: 567711	APPROVALS	SPECIFICATIONS
<ul style="list-style-type: none"> Synthetic multi-grade Engine Oil for engines of utility vehicles driven by LPG (liquefied petroleum gas) or CNG (compressed natural gas) Best oxidation, wearing and corrosion protection Ideal for local and commuter buses as well as trucks 	API CI-4 Deutz DQC III-10 Mack EO-N MAN M 3271-1/ M 3477 MB-Approval 228.51 MTU Oil Category 3.1 Renault VI RLD-2 VOLVO VDS-3	ACEA E6/ E7 Cummins CES 20076/ 77 DAF Deutz DQC III-10 LA Deutz DQC IV-10 LA JASO DH-2 MB 228.31 Renault RXD/ VI RGD ZF TE-ML 03A/ 05K/ 07D/ 21K

LUKOIL AVANTGARDE PROFESSIONAL M5 10W-40



Prod. No.: 568363	APPROVALS	SPECIFICATIONS
<ul style="list-style-type: none"> Synthetic ultra-high-performance oil for MAN, Mercedes-Benz and MTU utility vehicle engines For diesel engines operating under harsh conditions For vehicles without particulate filters and with turbocharged engines 	API CI-4 Cummins CES 20078 Deutz DQC III-10 MAN M 3277 MTU Oil Category 3	ACEA E4/ E7 MB 228.5 ZF TE-ML 03A/ 05K/ 07D/ 21K

LUKOIL AVANTGARDE PROFESSIONAL M6 10W-40



Prod. No.: 568375	APPROVALS	SPECIFICATIONS
<ul style="list-style-type: none"> Synthetic ultra-high-performance diesel Engine Oil (SUHPD) for maximum performance requirements Specially developed for modern, low-emission utility vehicle diesel engines and the longest oil change intervals Excellent suited for MAN utility vehicles Guarantees high wear protection and long engine lifespan 	API CI-4 Deutz DQC IV-10 Mack EO-N MAN M 3277/ 3377 MB-Approval 228.5 MTU Oil Category 3 Renault VI RLD-2 VOLVO VDS-3	ACEA E4/ E7 Caterpillar ECF-2 Cummins CES 20078 DAF HP-2 Detroit Diesel DDC 93K215 Global DHD-1 Mack EO-M Plus Renault RXD

LUKOIL AVANTGARDE PROFESSIONAL M6 5W-30



Prod. No.: 568360	APPROVALS	SPECIFICATIONS
<ul style="list-style-type: none"> Synthetic ultra-high-performance diesel Engine Oil (SUHPD) for maximum performance requirements For modern, low-emission utility vehicle diesel engines and the longest oil change intervals Exceptional fuel efficiency properties Reduces fuel consumption in all high-performance utility vehicle diesel engines 	API CI-4 (pending) Mack EO-N MAN M 3277/ M 3377 MB-Approval 228.5 (pending) MTU Oil Category 3 Renault VI RLD-2 VOLVO VDS-3	ACEA E4/ E7 Caterpillar ECF-2 Cummins CES 20076/ 78 Deutz DQC IV-10 Global DHD-1 Jaso DH-1 Mack EO-M Plus Renault VI RXD Scania LDF ZF TE-ML 07D

AVANTGARDE

ENGINE OILS FOR COMMERCIAL VEHICLES



LUKOIL AVANTGARDE PROFESSIONAL LA 10W-30

Prod. No.: 568356	APPROVALS	SPECIFICATIONS
<ul style="list-style-type: none"> ■ Synthetic, low-ash utility vehicle oil for extremely strict emission limits, especially suited for utility vehicles with EURO V and EURO VI engines with exhaust gas recirculation, SCR and particulate filter ■ The low-SAPS additives used reliably protect the exhaust gas aftertreatment system and the environment ■ Also usable for EURO 0 – IV according to manufacturer specification 	API SN/ CJ-4 Deutz DQC III-10 LA Mack EO-O Premium Plus MAN M 3575 MB-Approval 228.31 MTU Oil Category 2.1 Renault VI RLD-3 VOLVO VDS-4	ACEA E9 API SM Caterpillar ECF-1-a/ ECF-2/ ECF-3 Cummins CES 20081 ZF TE-ML 05K/ 07D/ 21K



LUKOIL AVANTGARDE PROFESSIONAL LA 10W-40

Prod. No.: 568357	APPROVALS	SPECIFICATIONS
<ul style="list-style-type: none"> ■ State-of-the-art additive technology guarantees the longest oil change intervals and protects engines and particulate filters – even under extreme conditions ■ Synthetic, low-ash utility vehicle oil meets extremely strict emissions limits. The innovative formulation was specially developed for EURO V and EURO VI utility vehicle engines with EGR, SCR and particulate filter ■ High-quality base oils in combination with low-ash additives make LUKOIL AVANTGARDE PROFESSIONAL LA 10W-40 the ideal product for the modern vehicle fleet ■ Thanks to the low-SAPS additives used, the exhaust gas emissions are extremely low, reducing impact on the environment and prolonging the lifespan of the particulate filter 	API CJ-4 Cummins CES 20081 Deutz DQC III-10 LA Mack EO-O Premium Plus MAN M 3575 MB-Approval 228.31 MTU Oil Category 2.1 Renault VI RLD-3 VOLVO VDS-4	ACEA E9 API SM/ SN Caterpillar ECF-1-a/ ECF-2/ ECF-3 Detroit Diesel DDC 93K218 ZF TE-ML 04P/ 05K/ 07D/ 21K



LUKOIL AVANTGARDE PROFESSIONAL LA 15W-40

Prod. No.: 568358	APPROVALS	SPECIFICATIONS
<ul style="list-style-type: none"> ■ Synthetic, low-ash utility vehicle oil, designed for extremely strict emissions limits. Specially formulated for EURO V and EURO VI utility vehicle engines with particulate filter and/or SCR technology ■ Engine Oil for heavy duty engines of the newest generation with particulate filter and/or SCR technology ■ Thanks to the low-SAPS formulation, this product guarantees low exhaust gas emissions and maximum protection of the environment ■ Enables the longest oil change intervals and reliable component protection for the engine 	API SN/ CJ-4 Cummins CES 20081 Mack EO-O Premium Plus MAN M 3575 MB-Approval 228.31 MTU Oil Category 2.1 Renault VI RLD-3 VOLVO VDS-4	ACEA E9 API SM Caterpillar ECF-3 Deutz DQC III-10 LA ZF TE-ML 04P/ 07D



LUKOIL AVANTGARDE PROFESSIONAL LS5 10W-40

Prod. No.: 568366	APPROVALS	SPECIFICATIONS
<ul style="list-style-type: none"> Synthetic, low-ash, high-performance utility vehicle Engine Oil for the strictest exhaust gas emissions limits for utility vehicle engines with SCR system and particulate filter Excels as the top utility vehicle oil for engines with modern exhaust gas treatment systems and the longest oil change intervals Ensures low exhaust gas emissions and maximum environmental protection 	Deutz DQC IV-10 LA Mack EO-N MAN M 3271-1/ M 3477 MB-Approval 228.51 MTU Oil Category 3.1 Renault VI RLD-2 VOLVO VDS-3	ACEA E6/ E7 API CI-4 Cummins CES 20076/ 77 DAF JASO DH-2 Mack EO-N MB 228.31 Renault VI RGD/ RXD ZF TE-ML 03A/ 05K/ 07D/ 21K



LUKOIL AVANTGARDE PROFESSIONAL LS5 10W-30

Prod. No.: 568345	SPECIFICATIONS
<ul style="list-style-type: none"> Synthetic, low-ash, high-performance utility vehicle Engine Oil for the strictest exhaust gas emissions limits The innovative formulation was specially developed for utility vehicle engines with SCR system and particulate filter Low exhaust gas emissions guarantee maximum environmental protection Excels with extreme oil change intervals, rapid lubrication and the highest lubricating film endurance 	ACEA E6/ E7/ E9 Cummins CES 20076/ 77 DAF Deutz DQC IV-10 LA Mack EO-N MAN M 3271-1/ M 3477 MB 228.51 MTU Oil Category 3.1 Renault VI RLD-2 VOLVO VDS-3



LUKOIL AVANTGARDE PROFESSIONAL XLA 10W-40

Prod. No.: 568381	APPROVALS	SPECIFICATIONS
<ul style="list-style-type: none"> Engine Oil for heavy duty engines of the newest generation Specially developed for trucks with particulate filter and/or SCR technology 	API CK-4 Mack EOS-4.5 Renault VI RLD-4 VOLVO VDS-4.5	ACEA E9 Cummins CES 20086 Detroit Diesel DFS 93K222 Ford M2C171-F1



LUKOIL AVANTGARDE PROFESSIONAL LE 10W-40

Prod. No.: 568368	APPROVALS	SPECIFICATIONS
<ul style="list-style-type: none"> Synthetic, low-ash, high-performance utility vehicle Engine Oil for the strictest exhaust gas emissions limits Innovative formulation, specially developed for utility vehicle engines that satisfy the emissions regulations EURO V & VI and are equipped with EGR/SCR technology and/or particulate filter Ensures maximum oil change intervals and rapid lubrication For diesel engines operating under harsh conditions Also usable for EURO 0 – IV according to manufacturer specification 	API CJ-4 Cummins CES 20081 Deutz DQC IV-10 LA Mack EO-O Premium Plus MAN M 3271-1/ 3477/ 3575 MB-Approval 228.51 MTU Oil Category 3.1 Renault VI RLD-3 Scania LA VOLVO VDS-4	ACEA E4/ E6 / E7/ E9 Caterpillar ECF-3 Detroit Diesel DDC 93K218 JASO DH-2 MB 228.31 MTU Oil Category 2.1

**YOU HAVE
A TRUCK,
WE HAVE
THE
BEST
LUBRICANTS.**



AVANTGARDE MOTOR OIL



PACKAGING INFORMATION

PACKAGING	TARE BOX (KG)	TARE CONTAINER (KG)	WIDTH (MM)	HEIGHT (MM)	LENGTH (MM)	DIA-METER (MM)	UNITS PER PALLET	PALLET SIZE (CM)	UNITS PER SALE UNIT
1 LITRE BOTTLE	0,35	0,08	260	240	380	–	432	120 x 80	12
5 LITRE BOTTLE	0,32	0,3	260	330	380	–	81	120 x 80	3
20 LITRE CANISTER & BAG IN BOX	–	1,0	260	362	300	–	36	120 x 80	–
DRUM 60 LITRES	–	4,0	–	586	–	384	6	120 x 80	–
DRUM 205 LITRES	–	14,5	–	878	–	585	4	120 x 120	–
IBC CONTAINER 1000 LITRES	–	60	1000	1200	1200	–	–	–	–

AVANTGARDE

ENGINE OILS FOR COMMERCIAL VEHICLES



LUKOIL AVANTGARDE PROFESSIONAL LE 5W-30

Prod. No.: 568359

APPROVALS

SPECIFICATIONS



- Top product for a modern, mixed vehicle fleet
- Synthetic, low-ash, high-performance utility vehicle Engine Oil for the strictest exhaust gas emissions limits
- The innovative formulation was specially developed for utility vehicle engines with SCR systems and particulate filter
- Thanks to the low-SAPS additives, enables extremely low exhaust gas emissions for maximum environmental protection
- Guarantees maximum oil change intervals and rapid lubrication
- Also usable for EURO 0 – IV according to manufacturer specification

API CJ-4
Deutz DQC IV-10 LA
Mack EO-O Premium Plus
MAN M 3271-1/ 3477/
3575/ 3677
MB-Approval 228.31
MB-Approval 228.51
MTU Oil Category 3.1
Renault VI RLD-3
Scania LA/ LDF-4
VOLVO VDS-4

ACEA E4/ E6/ E7/ E9
Caterpillar ECF-3
Cummins CES 20081
Detroit Diesel DFS 93K218
Ford WSS-M2C213-A1
MTU Oil Category 2.1
ZF TE-ML 07D



LUKOIL AVANTGARDE PROFESSIONAL XLE 5W-30

Prod. No.: 568370

APPROVALS

SPECIFICATIONS



- Synthetic, low-ash, high-performance utility vehicle Engine Oil for the strictest exhaust gas emissions limits
- The innovative formulation was specially developed for utility vehicle engines with SCR system and particulate filter, according to emissions regulations EURO V & VI. Also usable in EURO 0, I, II, III & IV engines
- Guarantees maximum oil change intervals and rapid lubrication
- Significant reduction of the particle emissions, resulting in longer particulate filter lifespan

MAN M 3677
MAN M 3477/ 3777 (pending)
MB-Approval 228.51
MB-Approval 228.52
MTU Oil Category 3.1

ACEA E4/ E6/ E7/ E9
Deutz DQC III-18 LA
Iveco 18-1804 TLS E6
Mack EOS-4.5
MAN M 3271-1
Renault VI RLD-4
Volvo VDS-4.5



LUKOIL AVANTGARDE PROFESSIONAL XLA 15W-40

Prod. No.: 568382

APPROVALS

SPECIFICATIONS



- Modern high-performance Engine Oil with very high environmental potential
- For heavy duty engines of the newest generation with particulate filter and/or SCR technology
- Extremely low exhaust gas emissions to satisfy high environmental standards
- Developed for diesel engines, reduces greenhouse gas emissions and lowers fuel consumption

API CK-4
Mack EOS-4.5
Renault VI RLD-4
VOLVO VDS-4.5

ACEA E9
Caterpillar ECF-3
Cummins CES 20086
Detroit Diesel DFS 93K222
Ford M2C171-F1

WHICH ENGINE OIL DO I NEED?

Information on individual truck brands can be obtained in the LUKOIL Oilfinder at www.lukoil-lubricants.eu or requested by email: technics.lubes@eu.lukoil.com

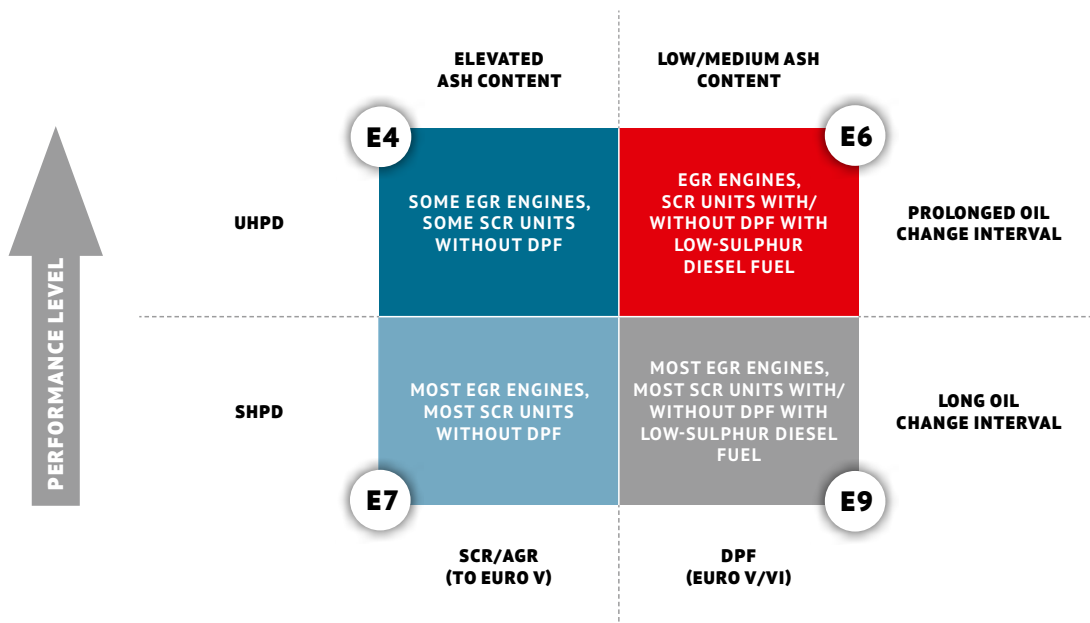
PRODUCT	LUKOIL AVANTGARDE PROFESSIONAL					LUKOIL AVANTGARDE PROFESSIONAL LA		
MAT. NR	568374	578374	568375	568351	568363	568356	568357	568358
SAE	M6 5W-30	5W-30	M6 10W-40	10W-40	M5 10W-40	10W-30	10W-40	15W-40
ACEA	E4 / E7	E4 / E7	E4 / E7	E4 / E7	E4 / E7	E9	E9	E9
API	CI-4	-	CI-4	CI-4	CI-4	CJ-4 SM / SN	CJ-4 SM / SN	CJ-4 SM / SN
CAT	ECF-2		ECF-2	-	-	ECF-1-a ECF-2 / 3	ECF-1-a ECF-2 / 3	ECF-3
CUMMINS	CES 20076 / 78	CES 20076 / 78	CES 20078	CES 20072	CES 20078	CES 20081	CES 20081	CES 20081
DAF	HP 1	HP 1	HP 2	HP 2	-	-	-	-
DETROIT DIESEL	-	-	DDC 93K215	-	-	-	DDC 93K218	-
DEUTZ	DQC IV-10	DQC IV-10	DQC IV-10	DQC III-10	DQC III-10	DQC III-10 LA	DQC III-10 LA	DQC III-10 LA
FORD	-	-	-	-	-	-	-	-
GLOBAL	DHD-1	-	DHD-1	-	-	-	-	-
IVECO	-	-	-	18-1804 T3 E4 18-1804 TFE	-	-	-	-
JASO	DH-1	DH-1	-	-	-	-	-	-
MACK	EO-N	EO-N EO-M Plus	EO-N EO-M Plus	EO-N EO-M Plus	-	EO-O PP	EO-O PP	EO-O PP
MAN	M 3277 M 3377	M 3277 M 3377	M 3277 M 3377	M 3277	M 3277	M 3575	M 3575	M 3575
MERCEDES-BENZ	228.5	228.5	228.5	228.5	228.5	228.31	228.31	228.31
MTU	Oil Category 3	Oil Category 3	Oil Category 3	Oil Category 3	Oil Category 3	Oil Category 2.1	Oil Category 2.1	Oil Category 2.1
RENAULT	VI RLD-2 VI RXD	VI RLD-2 VI RXD	VI RLD-2 VI RXD	VI RLD-2 VI RXD	-	VI RLD-3	VI RLD-3	VI RLD-3
SCANIA	LDF	LDF	-	LDF-3	-	-	-	-
VOLVO	VDS-3	VDS-3	VDS-3	VDS-3	-	VDS-4	VDS-4	VDS-4
ZF TE-ML	07D	07D	-	04C	03A / 05K 07D / 21K	05K / 07D / 21K	04P / 05K 07D / 21K	04P 07D



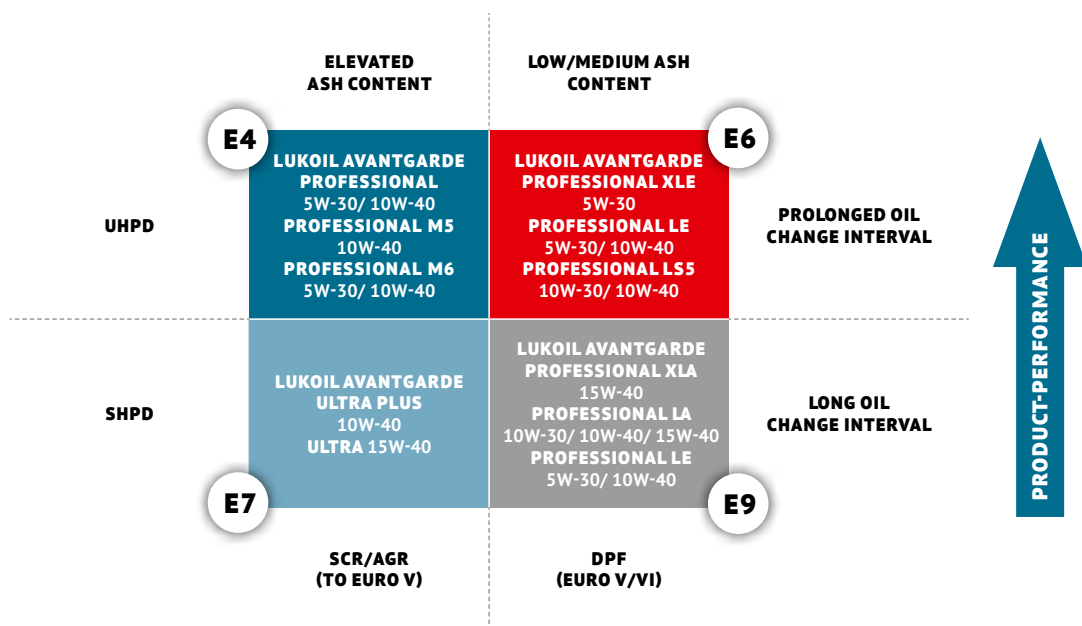
LUKOIL AVANTGARDE PROFESSIONAL XIA		LUKOIL AVANTGARDE PROFESSIONAL LE		LUKOIL AVANTGARDE PROF. XLE	LUKOIL AVANTGARDE PROFESSIONAL LS5		LUKOIL AVANTGARDE ULTRA PLUS	LUKOIL AVANTGARDE ULTRA	LUKOIL AVANTGARDE EXTRA
568381	568382	568359	568368	568370	568345	568366	567820	568321	567915
10W-40	15W-40	5W-30	10W-40	5W-30	10W-30	10W-40	10W-40	15W-40	15W-40
E9	E9	E4/ E6 E7/ E9	E4/ E6 / E7/ E9	E6	E6 / E7 / E9	E6 / E7	E7	E7	-
CK-4	-	CJ-4	CJ-4	-	-	CI-4	CI-4 SL	CI-4 SL	CH-4 SJ
-	ECF-3	ECF-3	ECF-3	-	-	-	ECF-1-a ECF-2	ECF-1-a ECF-2	-
CES 20086	CES 20086	CES 20081	CES 20081	-	CES 20076 / 77	CES 20076 / 77	CES 20076 / 77 / 78	CES 20071 / 72 / 76 / 77 / 78	CES 20076
-	-	-	-	-	DAF	DAF	-	DAF	-
DFS 93K222	DFS 93K222	DFS 93K218	DDC 93K218	-	-	-	-	DFS 93K215	-
-	-	DQC IV-10 LA	DQC IV-10 LA	-	DQC IV-10 LA	DQC IV-10 LA	DQC III-10	DQC III-10	DQC II
M2C171-F1	M2C171-F1	M2C213-A1	-	-	-	-	-	-	-
-	-	-	-	-	-	-	DHD-1	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	DH-2	-	-	DH-2	-	-	-
EOS-4.5	EOS-4.5	EO-O PP	EO-O PP	-	EO-N*	EO-N	EO-N EO-M Plus	EO-N EO-M Plus	EO-M
-	-	M 3271-1 M 3477 3575 / 3677	M 3271-1 M 3477 M 3575	M 3271-1 M 3477 3677 / 3777	M 3271-1 M 3477	M 3271-1 M 3477	M 3275-1	M 3275-1	M 271
-	-	228.31 228.51	228.51 228.31	228.51 228.52	228.51	228.31 228.51	228.3	228.3	-
-	-	Oil Category 2.1 / 3.1	Oil Category 2.1 / 3.1	Oil Category 3.1	Oil Category 3.1	Oil Category 3.1	Oil Category 2	Oil Category 2	-
VI RLD-4	VI RLD-4	VI RLD-3	VI RLD-3	-	VI RLD-2	VI RLD-2 VI RGD VI RXD	VI RLD RLD-2	VI RLD-2	VI RLD
-	-	LA LDF-4	LA	-	-	-	-	-	-
VDS-4.5	VDS-4.5	VDS-4	VDS-4	-	VDS-3	VDS-3	VDS-3	VDS-3	VDS-2
-	-	07D	-	-	-	03A / 05K 07D / 21K	03A / 05K 07D / 21K	03A / 04P / 07D	03A / 04P / 07D

ACEA SPECIFICATIONS OVERVIEW

UTILITY VEHICLES



TOP RANGE



UHPD: Ultra High Performance
Diesel engine oil

EGR: Exhaust Gas Recirculation

SHPD: Super High Performance
Diesel engine oil

SCR: Selective Catalytic Reduction
with AdBlue to reduce NOx emissions

DPF: Diesel Particulate Filter
to reduce particle emissions

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