

AVEROIL RDE (serie)

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DESCRIPTION

AVEROIL RDE is a latest generation THPD (Top High Performance Diesel) engine lubricant, formulated with latest generation synthetic bases and additives (Mid/Low SAPS). It minimizes clogging of particle trapping filters (DPF).

AVEROIL RDE is especially recommended for engines that incorporate gas post-treatment systems (EGR, C-EGR, LNT), selective catalytic reduction (SCR) systems by injection of Urea, diesel oxidation catalysts (DOC) and continuous regeneration traps (CRT).

AVEROIL RDE protects and maximizes the performance of engines that use low sulfur diesel fuels and, due to its low ash content and high lubricating power, it is suitable for gas engines that operate with CNG.

AVEROIL RDE is manufactured in SAE 15W40, SAE 10W40 and SAE 10W30 viscosities, adapted to all types of engines and specifications, especially in heavy diesel engines of the latest generation EURO VI (VI-d) and earlier that work under the most severe lubrication requirements of the modern heavy diesel engines (HDDE) in trucks, buses, agricultural and forestry machinery, all types of heavy off-road vehicles and stationary engines.

AVEROIL RDE is the essential lubricant to achieve optimal lubrication and excellent performance of your engine.

PROPERTIES AND ADVANTAGES

- ✓ Reinforced anti-wear and anti-corrosion capacity, which guarantees total protection of the engine..
- ✓ Excellent detergent and dispersant characteristics.
- ✓ Formulated to meet the widest drain and emptying intervals recommended by engine builders, depending on the type of service and the quality of the fuel used.
- ✓ Its long life and compatibility with exhaust gas aftertreatment systems reduce maintenance costs.
- ✓ Protects and extends the life of the turbo.
- ✓ Facilitates cold starts, reducing wear on the engine's moving elements, especially on camshafts, rocker arms and tappets.
- ✓ Thanks to the technology of the additives incorporated in its formulation, very high piston cleanliness is achieved, it prevents filter clogging, segment sticking and ensures optimal engine cleanliness between changes.

APPLICATIONS

- ✓ Factory Fill and Service Fill of latest generation Euro VI-d and previous engines for mixed transport fleets, commercial vehicles, public works machinery, agricultural machinery, delivery vehicles and stationary engines operating in very severe conditions.
- ✓ Compatible with all types of gas treatment and after-treatment systems.
- ✓ The wide range of **AVEROIL RDE** viscosities allows you to choose the most appropriate viscosity depending on the engine and operating conditions:

AVEROIL 15W40 RDE offers maximum protection in engines located in hot and temperate climates, or in those that operate with high rpm and power demand.

AVEROIL 10W40 RDE offers excellent cold starting, maintaining hot pressure, being especially recommended in mixed fleets of buses, light commercial vehicles and long-haul trucks.

AVEROIL 10W30 RDE offers excellent cold starting and a notable reduction in fuel consumption, reducing operating costs.

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SPECIFICATIONS / QUALITY LEVEL

AVEROIL RDE* surpasses, among others, the following manufacturer specifications:

ACEA: E11/E7, (E9, E5 y anteriores)	Deutz DQC III-18 LA	DTFR 15C100 (MB 228.31)
API: CK-4/SN (CJ-4, CI-4 y anteriores)	FORD: M2C171-F1	MTU Type 2.1
CAT: ECF-3	JASO DH-2	RENAULT RLD-4/RLD-3
CUMMINS: CES 20086	MAN M-3775 (3575 y anteriores)	VOLVO VDS-4.5
Detroit Diesel DFS93K222	MACK EOS-4.5	

(*) RDE: Real Driving Emissions

TECHNICAL DATA:

PHYSICOCHEMICAL CHARACTERISTICS	STANDARD	VALUE		
		10W30	10W40	15W40
SAE Grade	SAE J300	10W30	10W40	15W40
Viscosity at 100°C °C, (cSt)	ASTM D-445	9.3-12.5	12.5-16.3	12.5-16.3
Pour Point (°C)	ASTM D-97	< - 25	< - 25	< - 20
Flashpoint (°C)	ASTM D-92	> 200	> 200	> 210
TBN (mg KOH/g)	ASTM D-2896	≥ 9	≥ 9	≥ 9
Sulphated ash (% in weight)	ASTM D-874	≤ 1.0	≤ 1.0	≤ 1.0

N.B: This data illustrates average values after different tests. Given the great variation in operating conditions, it does not provide a basis on which to define specifications.

PACKAGING:

5L bottle (SAE 15W40)

5L (SAE 15W40) and 20L jerrycan, 200 L drums and 1000 L IBC containers (SAE 15W40, 10W40 and 10W30).