



REDOIL

TECHNICAL DATA SHEET

LONG LIFE SINTEX 5W-40 LS

Engine Lubricant Heavy-Duty Diesel Oil HDDO heavy-duty traction



EELQMS

EUROPEAN ENGINE
LUBRICANTS QUALITY
MANAGEMENT SYSTEM
Data di prima emissione
19/11/2021

Rev. N°4 del 01/07/2024

SPECIFICS

API CK4/CJ-4/CI-4+/CI-4/CH-4 ACEA E11/E9/E7/
DTFR 15C110-(MB 228.51) DTFR 15C100-(MB228.31)
VOLVO VDS-4 .5 VOLVO VDS-4 VOLVO VDS-3
RENAULT RLD-3 MACK EO-O PREMIUM PLUS MACK EOS-4.5
MAN3477/3575/3271-1
MTU 3.1/2.1 CUMMINS CES 20081 CUNNINS CES 20086
DEUTZ DQC IV-10 LA/III-10LA/IV-18LA/III-18LA
DETROIT DIESEL 93K218 /93K222
CATERPILLAR ECF-3/ECF-2/ECF-1A
JASO DH-1 JASO DH-2 MTU TYPE 2.1 MTU TYPE 3.1



TECHNICAL DESCRIPTION

Atypical lubricant with universal application characteristics**, featuring Low SAPS technology. Designed to meet the need for superior detergency combined with greater thermo-oxidative resistance, it provides high stability and fully meets the requirements for extended mileage. Particularly suitable for systems equipped with turbines and intercoolers, it is formulated with special synthetic bases that help increase engine efficiency and improve protection during critical phases. It is recommended for high-performance diesel engines that meet the emission standards of Euro I, Euro II, Euro III, Euro IV, Euro V, and Euro VI, and that operate under very severe conditions or with significantly extended oil drain intervals as recommended by the manufacturer. It is suitable for engines equipped with EGR systems, with or without particulate filters, as well as engines with SCR NOx reduction systems. The E9 quality is strongly recommended for engines equipped with particulate filters and is designed for use in combination with low-sulfur diesel fuel.

The use of this product ensures:

- Low friction for better protection and reduced fuel consumption;
- Reduced pollutant emissions;
- Counteraction against the molecular oxidation of the lubricant;
- Maximum thermal stability;
- Extended oil change intervals;
- Maximum detergency;
- High dispersancy, anticorrosion, and antirust properties.

For further details, please contact the technical department.



P.IVA/C.F.: 03903071219



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Responsabile di laboratorio



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MANUFACTURING SYSTEM
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Typical characteristics

| Properties | Unit | Method | Average values |
|-----------------|--------------------|-----------|----------------|
| Colour | - | Visual | Amber |
| Appearance | - | Visual | Limpid |
| Density | Kg/dm ³ | ASTMD7042 | 0,858 |
| Viscosity 40°C | cSt | ASTMD445 | 84,2 |
| Viscosity 100°C | cSt | ASTMD445 | 14,2 |
| Viscosity Index | - | ASTMD2270 | 175 |
| Flash Point | °C | ASTMD92 | 229 |
| Freezing point | °C | ASTMD97 | -35 |

MODE OF USE

Use in accordance with the recommendations in the user and maintenance manual supplied by the manufacturer. Store in a cool, dry place, protected from direct sunlight and at temperatures not exceeding 60°C (140°F).

SAFETY AND ENVIRONMENT

Use in accordance with the recommendations provided in the Safety Data Sheet. Additional information on MSDS.



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