



DESCRIPTION

Universal lubricant for application in heavy diesel engines. Formulated with high quality hydro-refined premium bases. Its low ash, phosphorus and sulphur (Mid SAPS) content makes it optimal for minimising particulate filter obstruction (DPF/FAP) and prevents the deterioration of exhaust gas after-treatment systems. It is specially designed to exceed the demands of Euro V and VI engines, its use is also suitable for older engines.

PRODUCT APPLICATIONS

- Suitable for all types of trucks and buses, light commercial vehicles and vans, offering an ideal lubrication solution for mixed-vehicles fleets.
- Suitable for engines that require an API CK-4 and ACEA E9 oil type and use low sulphur fuel.
- Recommended for vehicles with agricultural and construction applications that require an oil with these characteristics.
- It can be used on both Gas (CNG) and Biodiesel fuel engines (always follow the changeover period stated in the vehicle manual).

PRODUCT PERFORMANCE

- Compatible with engines fitted with exhaust gas after-treatment systems, such as diesel particulate filters (DPFs), continuous regenerating traps (CRTs) or EcoBlue® injected selective catalytic reduction (SCR) systems, which require low-ash oils, help optimise its usage and reduce maintenance costs.
- Excellent oxidation resistance helps extend the life span of the oil*.
- Protects the engine from the acids that form during combustion, protecting it from corrosion.
- The high level of protection and elimination of deposits that this oil provides allows the engine to be kept in a perfect state of operation, extending its life span and allowing it to always work in optimal conditions.

SPECIFICATIONS

- ACEA E9/E7
- MB-Approval 228.31
- CAT ECF-3
- Ford WSS M2C171-F1
- API CK-4
- Detroit Diesel DDC93K222
- CUMMINS CES20086
- VOLVO VDS-4.5
- MACK EOS 4.5
- MAN M 3775/3575
- RENAULT RLD-3
- MTU Type 2.1
- Deutz DQC III-10 LA

* Always follow the instructions of the engine manufacturers



TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	METHOD	TRACTION ADVANCED LS 15W40
SAE Grade	-	-	15W40
Density at 15°C	g/ml	ASTM D 4052	0.876
Viscosity at 100°C	cSt	ASTM D 445	15.2
Viscosity at 40°C	cSt	ASTM D 445	114
Viscosity index	-	ASTM D 2270	139
CCS viscosity at -20°C	cP	ASTM D 5293	5202
Freezing point	°C	ASTM D 5949	-39
Flash point, V/A	°C	ASTM D 92	>200
Base number, TBN	mg KOH/g	ASTM D 2896	9.9
Sulphated ash	% (m/m)	ASTM D 874	<1.0

HEALTH & SAFETY AND ENVIRONMENT

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product in accordance with the applicable legislation.