

### DESCRIPTION

100% synthetic lubricant for the latest generation of diesel engines, with fuel-saving properties and infrequent changes (Super Extend Oil Drain), according to manufacturers' requirements. Recommended for Euro V and earlier engines without DPF particulate filters.

### PRODUCT APPLICATIONS

- Designed for late-generation goods and passenger transport vehicles that require extended oil change intervals combined with low friction and maximum protection.
- Specifically recommended by the manufacturers of Euro V and older non-particulate filter (DPF) engines operating in Extended Maintenance service and with exhaust gas after-treatment systems such as SCR and/or EGR.
- Specially designed for lubrication of heavy vehicles that require a top-quality oil under the ACEA E4 and E7 standards.
- Approved as SCANIA LDF-3 for its latest generation Euro V engines and with long change intervals.

### PRODUCT PERFORMANCE

- Provides excellent piston cleaning, protection against wear and ability to contain high soot levels, keeping the engine in perfect condition **and** extending its life span.
- Lengthens periods between oil changes, resulting in fewer maintenance stops and significant savings in vehicle lubrication and maintenance costs.
- Thanks to its synthetic bases and special additivation it saves fuel.
- Its SAE 5W-30 viscosity provides superb flow properties at low temperatures establishing rapid lubrication after cold starts and excellent lubrication during service, even in the most severe applications, minimising wear on the valve train.

### SPECIFICATIONS

- ACEA E4/ E7
- VOLVO VDS-3
- DAF Extended Drain
- MB 235.28
- MB-Approval 228.5
- MACK EO-N
- DEUTZ DQC IV-10
- MAN M 3277
- Renault RLD-2
- CUMMINS CES 20077
- SCANIA LDF-3
- MTU Type 3
- VOITH Retarder Class B



### TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	METHOD	TRACTION ADVANCED LD 5W30	
				5W30
SAE Grade	-	-		5W30
Density at 15°C	g/ml	ASTM D 4052		0.860
Viscosity at 100°C	cSt	ASTM D 445		12.1
Viscosity at 40°C	cSt	ASTM D 445		72.3
Viscosity index	-	ASTM D 2270		165
CCS viscosity at -30°C	cP	ASTM D 5293		5935
Freezing point	°C	ASTM D 5949		-45
Flash point, V/A	°C	ASTM D 92		>200
Base number, TBN	mg KOH/g	ASTM D 2896		15.6
Sulphated ash	% (m/m)	ASTM D 874		1.6

### 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.

The typical values of the characteristics appearing in the table are average values given for guidance purposes only and do not constitute a guarantee. These values may be modified without any prior warning.