

# TRACTION ADVANCED LD 10W40



## DESCRIPTION

A long drain interval lubricant formulated with synthetic technology for advanced diesel commercial vehicles (supercharged and intercooler) with Euro 5 or earlier engines using EcoBlue® (SCR) or exhaust gas recirculation (EGR) systems. Not suitable for engines with Particulate Filters (DPF). It is also suitable for Scania Euro 6 engines requiring LDF-3 specification.

## PRODUCT APPLICATIONS

- Intended for trucks and buses both on long routes and in urban areas that require very extended maintenance intervals and using additional, high-capacity, and low-micronage filters. Technology for very long "Super Extend Oil Drain" drainage periods.
- Indicated for mixed fleets, where there are vehicles with Euro 5 and earlier engines.
- Approved as SCANIA LDF-3 for its Euro 6 engines and with long change intervals.

## PRODUCT PERFORMANCE

- Due to its synthetic nature and state-of-the-art detergent additivation, it provides high piston cleanliness, around 60% higher than conventional SHPDs, which results in lower maintenance costs and longer engine life.
- Due to its low volatility, it has very low oil consumption in severe conditions.
- Due to its improved fluidity, it reduces wear during critical start-up periods.
- Due to being highly dispersant, it is ideal for engines that produce a high rate of soot.

## TYPICAL CHARACTERISTICS

- ACEA E4, E7
- VOLVO VDS-3
- MTU Type 3
- API CI-4
- MACK EO-N
- DAF Extended Drain
- DTFR 15B120 (MB-Approval 228.5)
- Renault RLD-2
- CUMMINS CES 20077/78
- MAN M 3277
- SCANIA LDF-3
- DEUTZ DQC IV-18



## LEVELS OF QUALITY

CHARACTERISTIC	UNITS	METHOD	TRACTION ADVANCED LD 10W40
<b>SAE Grade</b>	-	-	<b>10W-40</b>
Density 15 °C	g/ml	ASTM D 4052	0.867
Viscosity at 100 °C	cSt	ASTM D 445	14.5
Viscosity at 40 °C	cSt	ASTM D 445	98.1
Viscosity Index	-	ASTM D 2270	153
CCS Viscosity at -25° C	cP	ASTM D 5293	6043
Pour Point	°C	ASTM D 5950	-45
Flash Point, COC	°C	ASTM D 92	244
Base number, TBN	mg KOH/g	ASTM D 2896	15.3
Sulfated 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 as per applicable legislation.