

TRACTION ADVANCED LE 10W40



DESCRIPTION

Lubricant formulated with very high-performance synthetic technology for heavy-duty diesel engines and light commercial vehicles. Specially designed for Euro VI, V and earlier engines equipped with gas post-treatment systems, due to low ash, phosphorus and sulfur (Low SAPS) content, as well as urban buses operating on CNG.

PRODUCT APPLICATIONS

- In mixed fleets of buses and long-haul trucks, with multi-brand Euro V and Euro VI engines. It is also suitable for previous engines and for gas engines running on CNG gas.
- Designed for vehicles equipped with exhaust after-treatment systems, such as particulate filters (DPF), continuous regeneration traps (CRT) and EcoBlue® selective catalytic reduction by injection (SCR) systems that require low ash oils, optimizing their useful life and saving on maintenance.
- Product focused on lubrication for engines of European manufacturers.

PRODUCT PERFORMANCE

- It provides an excellent level of cleanliness that ensures longer engine life and prevents breakdowns caused by the formation of deposits and sludge.
- Its high viscosity index allows easy starting at low temperatures and a sufficient oil film in hot climates, protecting the engine from excessive wear at most crucial times it is used.
- It contributes to fuel economy and allows long oil drain intervals.
- It can be used in biodiesel engines (always following the drain interval indicated in the vehicle manual).

SPECIFICATIONS

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|--------------------------|----------------------|----------------------------|----------------------|
| • ACEA E6/E7/E9 | • MB-Approval 228.52 | • Mack EOS-4.5 | • MTU Type 3.1 |
| • API CK-4 | • Volvo VDS-4.5 | • Detroit Diesel DDC93K222 | • Deutz DQC IV-18 LA |
| • MAN M 3775/3477/3271-1 | • Renault RLD-3 | • Cummins CES 20086 | • CAT ECF-3 |
| • JASO DH-2 | • Scania Low Ash | • Iveco 18-1804 TLS E9 | • DAF Extended Drain |



TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	METHOD	TRACTION ADVANCED LE 10W40
SAE Grade	-	-	10W-40
Density at 15°C	g/ml	ASTM D 4052	0.869
Viscosity at 100°C	cSt	ASTM D 445	14.9
Viscosity at 40°C	cSt	ASTM D 445	105
Viscosity Index	-	ASTM D 2270	148
CCS Viscosity at -25° C	cP	ASTM D 5293	6660
Pour Point	°C	ASTM D 5949	-45
Flash Point, COC	°C	ASTM D 92	222
Base number, TBN	mg KOH/g	ASTM D 2896	10.3
Sulfated ash	% (m/m)	ASTM D 874	0.85

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.