Automotive lubricants. Heavy engine vehicle.

Traction Max 10W-40 LS Pro

Low SAPS

Long Drain

Key information

- 100% synthetic lubricant with a long drain interval and low SAPS content.
- Compatible with gas after-treatment systems DPF/SCR/EGR.
- Euro VI, Stage V, Tier 4 and earlier engines.
- Compatible with alternative fuels (gas - CNG-, biodiesel).

Quality standards

- ACEA E8, E11, E4, E7, E6, E9
- API CK-4 – backward compatible with CJ-4 and earlier
- JASO DH-2

EELQMS

API SERVICE CK-4 SAE 10W-40

Manufacturer specifications

- MAN M 3775, 3477, 3575
- DTFR 15C120, 15C110, 15C100 (MB 228.52, 228.51, 228.31)
- Volvo VDS-4.5, VDS-4
- Renault RLD-3
- Mack EOS-4.5, EO-O Premium Plus
- Scania Low Ash
- Detroit Diesel DFS 93K222/218
- Cummins CES 20086/81
- MTU Type 3.1
- Deutz DQC IV-18 LA
- Caterpillar ECF-3/2/1-A
- Iveco
- Voith Retarder B
- DTFR 13D110 (MB 235.28)

Use

- In mixed fleets of buses and long-haul trucks, with multi-brand Euro VI engines. It is also suitable for previous engines and for gas engines running on CNG gas.
- Designed for vehicles equipped with exhaust gas after-treatment systems, such as particulate filters (DPF), continuous regeneration traps (CRT) and AdBlue selective catalytic reduction systems (SCR) that require low ash oils (SAPS), optimizing their service life and saving on maintenance.
- Recommended for vehicles with agricultural and public works applications that require an oil of this nature.
- Due to its low SAPS content and high detergency (TBN) profile, it is a global lubricant designed for both modern European engines and American engines, as well as for older vehicles with more dirt build-up and wear.
- It is recommended to follow the indications of the vehicle manual regarding viscosity and oil specifications, as well as its drain interval according to the amount of sulfur of the fuel used.

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Benefits

- It provides outstanding results in the most stringent engine cleanliness tests (Daimler OM501LA), significantly reducing formation of deposits and sludge, providing long intervals between oil changes and ensuring longer engine service life.
- Its high viscosity index allows easy start up at low temperatures and a sufficient oil film in hot climates, protecting the engine from excessive wear at most crucial times it is used.
- Its high oxidation/thermal degradation stability makes it suitable for high temperature protection of modern turbocharged engines.

Physical and chemical properties

Characteristic	Units	Method	Traction Max 10W-40 LS Pro
SAE Grade	-	-	**10W-40**
Density at 15°C	kg/l	ASTM D 4052	0.860
Viscosity at 100°C	cSt	ASTM D 445	13.6
Viscosity at 40°C	cSt	ASTM D 445	87
Viscosity Index	-	ASTM D 2270	158
CCS Viscosity at -25° C	cP	ASTM D 5293	6126
HTHS Viscosity at 150°C	cP	ASTM D 4683	4.0
Pour Point	°C	ASTM D 5950	-36
Flash Point	°C	ASTM D 92	226
Base number, TBN	mg KOH/g	ASTM D 2896	13.4
Sulfated ash	% (m/m)	ASTM D 874	0.96

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.