Automotive lubricants. Heavy engine vehicle.

Traction Max 10W-40 LS

Key information

Low SAPS

Long Drain

- Long drain interval lubricant formulated with synthetic technology 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

EELQMS

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

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 18-1804 TLS E9

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.
- 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.

Benefits

- 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 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.
- It contributes to fuel economy and allows long oil drain intervals.

- 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
SAE Grade	-	-	**10W-40**
Density at 15°C	kg/l	ASTM D 4052	0.867
Viscosity at 100°C	cSt	ASTM D 445	14.1
Viscosity at 40°C	cSt	ASTM D 445	97
Viscosity Index	-	ASTM D 2270	148
CCS Viscosity at -25° C	cP	ASTM D 5293	6026
HTHS Viscosity at 150°C	cP	ASTM D 4683	4.1
Pour Point	°C	ASTM D 5950	-45
Flash Point	°C	ASTM D 92	222
Base number, TBN	mg KOH/g	ASTM D 2896	10.3
Sulfated ash	% (m/m)	ASTM D 874	0.89

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.