

Automotive lubricants. Heavy engine vehicle.

Traction Full 15W-40 MS



Key information

- 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.



› Quality standards

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



› Manufacturer specifications

- | | | |
|---------------------------|-----------------------------------|---------------------------|
| • MAN M 3775, 3575 | • Mack EOS-4.5, EO-O Premium Plus | • Deutz DQC III-18 LA |
| • DTFR 15C100 (MB 228.31) | • Detroit Diesel DFS 93K222/218 | • Caterpillar ECF-3/2/1-A |
| • Volvo VDS-4.5, VDS-4 | • Cummins CES 20086/81 | • Ford M2C171-F1 |
| • Renault RLD-3 | • MTU Type 2.1 | • Allison TES-439 |

› Use

- It is ideal for use in trucks, buses, light commercial vehicles, and vans, offering an ideal lubrication solution for fleets of mixed vehicles.
- Recommended for engines that require an API CK-4 and ACEA E11 oil profile and use low-sulfur fuel.
- Recommended for agricultural and construction vehicles that require an oil with these characteristics.
- It can be used in both gas (CNG) engines and those that use biodiesel as fuel.
- 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

- Compatible with engines equipped with exhaust gas after-treatment systems, such as diesel 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.
- Protects the engine from acids formed during combustion, protecting it from corrosion.
- Its high oxidation stability and deposit removal allows the engine to be kept in perfect working condition, extending its service life and allowing it to always work in optimum conditions.

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.

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> Physical and chemical properties

Characteristic	Units	Method	Traction Full 15W-40 MS
SAE Grade	-	-	15W-40
Density at 15°C	kg/l	ASTM D 4052	0.869
Viscosity at 100°C	cSt	ASTM D 445	14.5
Viscosity at 40°C	cSt	ASTM D 445	108
Viscosity Index	-	ASTM D 2270	137
CCS Viscosity at -20°C	cP	ASTM D 5293	5145
HTHS Viscosity at 150°C	cP	ASTM D 4683	4.1
Pour Point	°C	ASTM D 5950	-45
Flash Point	°C	ASTM D 92	240
Base number, TBN	mg KOH/g	ASTM D 2896	9.8
Sulfated ash	% (m/m)	ASTM D 874	0.82

> 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.