

Automotive lubricants. Heavy engine vehicle.

Traction Full 10W-40 E4



Key information

- 100% synthetic lubricant with long drain interval.
- American and European Euro V engines and earlier, with SCR/EGR systems.
- Not compatible with diesel particulate filter (DPF).



> Quality standards

- ACEA E4, E7
- API CI-4 – backward compatible with CH-4 and earlier
- Global DHD-1



> Manufacturer specifications

- | | | |
|---|-----------------------------|---------------------------|
| • MAN M 3377 | • Renault RLD-2 | • Cummins CES 20078/77/76 |
| • DTFR 15B120, 15B110 (MB 228.5, 228.3) | • MACK EO-N | • MTU Type 3 |
| • Volvo VDS-3 | • Detroit Diesel DFS 93K215 | • Deutz DQC IV-10 |

> Use

- Intended for trucks and buses, both on long routes and in interurban and urban areas, which require very extended maintenance intervals.
- For engines that produce a high soot rate, given their high dispersant capacity.
- As it exceeds the MAN M 3377 specification, it may be used in Euro VI engines by MAN, provided that the requirements for the maintenance of particle filters established by MAN are met.
- Also indicated in mixed fleets, as well as in public works machinery.
- 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 high piston cleanliness, around 60% higher than conventional SHPDs, which results in lower maintenance costs and longer engine life.
- Excellent protection against oxidation and corrosion.
- Due to its improved fluidity, it reduces wear during critical start-up periods.

> Physical and chemical properties

Characteristic	Units	Method	Traction Full 10W-40 E4
SAE Grade	-	-	10W-40
Density at 15°C	kg/l	ASTM D 4052	0.861
Viscosity at 100°C	cSt	ASTM D 445	13.4
Viscosity at 40°C	cSt	ASTM D 445	90
Viscosity Index	-	ASTM D 2270	150
CCS Viscosity at -25° C	cP	ASTM D 5293	6291
HTHS Viscosity at 150°C	cP	ASTM D 4683	4.0
Pour Point	°C	ASTM D 5950	-36
Flash Point	°C	ASTM D 92	220
Base number, TBN	mg KOH/g	ASTM D 2896	13.2
Sulfated ash	% (m/m)	ASTM D 874	1.45

> 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.