

Automotive lubricants. Heavy engine vehicle.

## Traction Full 10W-40 E4 LD



### Key information

- Long drain interval lubricant formulated with synthetic technology.
- American and European Euro V engines and earlier, with SCR/EGR systems.
- Not compatible with diesel particulate filter (DPF).
- Suitable for Scania Euro VI engines requiring LDF-3 specification.



### Quality standards

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



### Manufacturer specifications

- |   |                           |                      |
|---|---------------------------|----------------------|
| • MAN M 3277                            | • Mack EO-N               | • Deutz DQC IV-18    |
| • DTFR 15B120, 15B110 (MB 228.5, 228.3) | • Scania LDF-3            | • DAF Extended Drain |
| • Volvo VDS-3                           | • Cummins CES 20078/77/76 |                      |
| • Renault RLD-2                         | • MTU Type 3              |                      |

### Use

- Intended for trucks and buses both on long routes and in urban areas that require very extended maintenance intervals and using additional, high-capacity, and low micron rating filters.
- For engines that produce a high soot rate, given their high dispersant capacity.
- 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

- Due to its synthetic nature and state-of-the-art detergent additivation, it provides high piston cleanliness, around 60% higher than conventional SHPDs, which results in lower maintenance costs and longer engine life.
- Due to its low volatility, it has very low oil consumption in severe conditions.
- 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 LD
<b>SAE Grade</b>	-	-	<b>10W-40</b>
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	95
Viscosity Index	-	ASTM D 2270	152
CCS Viscosity at -25°C	cP	ASTM D 5293	6043
HTHS Viscosity at 150°C	cP	ASTM D 4683	3.8
Pour Point	°C	ASTM D 5950	-45
Flash Point	°C	ASTM D 92	238
Base number, TBN	mg KOH/g	ASTM D 2896	15.3
Sulfated ash	% (m/m)	ASTM D 874	1.55

## › 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.