

Automotive lubricants. Heavy engine vehicle.

## Traction Full 5W-30 E4 LD



### Key information



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

### › Quality standards

- ACEA E4



### › Manufacturer specifications

• MAN M 3277	• Mack EO-N	• Deutz DQC IV-10
• DTFR 15B120, 15B110 (MB 228.5, 228.3)	• Scania LDF-3	• DAF Extended Drain
• Volvo VDS-3	• Cummins CES 20077/76	• Voith Retarder Type B /
• Renault RLD-2	• MTU Type 3	DTFR 13D110 (MB 235.28)

### › Use

- Intended for state-of-the-art vehicles for transporting goods and people that require very extended oil drain intervals combined with low friction and maximum protection.
- Specifically recommended by manufacturers for Euro V engines and earlier without diesel particulate filter (DPF) that operate under Extended Maintenance Service, and that use selective catalytic reduction systems by injection (SCR) and/or exhaust gas recirculation (EGR) systems.
- Specially designed for the lubrication of heavy vehicles that require the highest quality oil under the ACEA E4 standard.
- 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

- Provides excellent piston cleanliness, wear protection, and the ability to contain high soot content, allowing the engine to remain in perfect condition while extending its service life.
- It allows extending drain intervals, which results in fewer maintenance shutdowns and significant savings in vehicle lubrication and maintenance costs.
- Its SAE 5W-30 viscosity provides excellent fluidity properties at low temperatures, allowing for rapid lubrication after cold start up and excellent lubrication during service, even in the most severe applications, minimizing wear on the valve train.

## › Physical and chemical properties

Characteristic	Units	Method	Traction Full 5W-30 E4 LD
<b>SAE Grade</b>	-	-	<b>5W-30</b>
Density at 15°C	kg/l	ASTM D 4052	0.857
Viscosity at 100°C	cSt	ASTM D 445	11.7
Viscosity at 40°C	cSt	ASTM D 445	69
Viscosity Index	-	ASTM D 2270	165
CCS Viscosity at -30°C	cP	ASTM D 5293	6373
HTHS Viscosity at 150°C	cP	ASTM D 4683	3.9
Pour Point	°C	ASTM D 5950	-42
Flash Point	°C	ASTM D 92	228
Base number, TBN	mg KOH/g	ASTM D 2896	15.6
Sulfated ash	% (m/m)	ASTM D 874	1.63

## › 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.