

Automotive lubricants. Heavy engine vehicle.

Traction Original 15W-40 E7



Key information

- Multi-grade mineral oil.
- American engines and European Euro V engines and earlier, with EGR system.
- Not compatible with diesel particulate filter (DPF).

> Quality standards

- ACEA E7
- API CI-4, SL – backwards compatible with CH-4, SJ and previous

> Manufacturer specifications

- | | |
|--------------------------|---------------------------|
| • MAN M 3275-1 | • Mack EO-N |
| • DTFR 15B110 (MB 228.3) | • Cummins CES 20078/77/76 |
| • Volvo VDS-3 | • Caterpillar ECF-2/1-A |
| • Renault RLD-2 | • Allison C4 |

> Use

- Specially designed for supercharged diesel engines in heavy vehicles intended for long-distance transport, urban transport and public works when a low consumption lubricant with superior quality is required.
- Suitable for use with diesel fuels with up to 0.5% sulfur content.
- Suitable for use in engines that equip an exhaust gas recirculation system (EGR).
- Not compatible with vehicles equipped with diesel particulate filter (DPF).
- 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 a level of protection and engine and turbocharger cleanliness superior to other SHPD oils.
- It keeps the engine clean of soot deposits and helps to remove varnishes, guaranteeing maximum protection against the formation of acids from fuel combustion.
- High shear stability, thus avoiding wear due to breakage of the protective film of the lubricant between moving parts, guaranteeing good lubrication even in high-load and low-speed situations.

> Physical and chemical properties

Characteristic	Units	Method	Traction Original 15W-40 E7
SAE Grade	-	-	15W-40
Density at 15°C	kg/l	ASTM D 4052	0.887
Viscosity at 100°C	cSt	ASTM D 445	13.1
Viscosity at 40°C	cSt	ASTM	90
Viscosity Index	-	ASTM D 2270	145
CCS Viscosity at -20°C	cP	ASTM D 5293	5047
HTHS Viscosity at 150°C	cP	ASTM D 4683	4.3
Pour Point	°C	ASTM D 5950	-42
Flash Point	°C	ASTM D 92	226
Base number, TBN	mg KOH/g	ASTM D 2896	11.0
Sulfated ash	% (m/m)	ASTM D 874	1.52

> 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.