Automotive lubricants. Heavy engine vehicle.

Traction Full 10W-40 E7

Key information

- Lubricant formulated with synthetic technology.
- American and European Euro V engines and earlier, with SCR/EGR systems.
- Not compatible with diesel particulate filter (DPF).

Quality standards

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

EELQMS

Manufacturer specifications

- MAN M 3275-1
- DTFR 15B110 (MB 228.3)
- Volvo VDS-3
- Renault RLD-2
- MACK EO-N
- Detroit Diesel DFS 93K215
- Cummins CES 20078/77/76
- MTU Type 2
- Deutz DQC III-18
- Caterpillar ECF-2/1-A
- Allison C4
- Voith Retarder A
- DTFR 13D100 (MB 235.27)

Use

- Especially indicated for mixed fleets with vehicles of various brands and ages, allowing, thanks to its global nature, savings in logistics and maintenance costs.
- Meets the specifications of the main European manufacturers, improving the performance of mineral oils, which means it can be used in any type of fleets, even those with public works machinery that require API CI-4 type oil.
- Especially suitable for vehicles that meet the Euro V and Euro IV emission standards using selective catalytic reduction systems by injection (SCR) with AdBlue or exhaust gas recirculation systems (EGR) and EPA 2007.
- 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

- Thanks to its excellent performance and stability in a wide range of temperatures, it provides greater protection for all engine parts, both at the moment of start-up, critical for wear, and during operation, increasing its service life.
- Its high detergent/dispersant additivation prevents the formation of deposits, sludge, and particle concentrations, which are very harmful to the operation of the oil pump and proper engine lubrication.

- The results obtained in the formation of sludge and wear in the Daimler OM646LA engine test, which introduces the use of Biodiesel (B5), ensure excellent performance, even in the presence of biofuel.

Physical and chemical properties

Characteristic	Units	Method	Traction Full 10W-40 E7
SAE Grade	-	-	**10W-40**
Density at 15°C	kg/l	ASTM D 4052	0.868
Viscosity at 100°C	cSt	ASTM D 445	14.5
Viscosity at 40°C	cSt	ASTM D 445	97
Viscosity Index	-	ASTM D 2270	155
CCS Viscosity at -25° C	cP	ASTM D 5293	5684
HTHS Viscosity at 150°C	cP	ASTM D 4683	4.2
Pour Point	°C	ASTM D 5950	-42
Flash Point	°C	ASTM D 92	234
Base number, TBN	mg KOH/g	ASTM D 2896	11.2
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.