

Automotive lubricants. Heavy engine vehicle.

# Traction Original 15W-40



## Key information

- Multi-grade mineral oil.
- Euro III engines and earlier, without diesel particulate filter (DPF).
- Engines under severe conditions of use.

## > Quality standards

- ACEA E2
- API CH-4, SJ – backwards compatible with CG-4 and earlier

## > Manufacturer specifications

- |                     |                       |
|---------------------|-----------------------|
| • MAN M 271         | • Caterpillar ECF-1-a |
| • MB 228.1          | • Volvo VDS           |
| • Cummins CES 20076 | • Mack EO-M           |
| • MTU Type 1        |                       |

## > Use

- Especially suitable for all types of public works machinery requiring API CH-4 type-based type lubricants.
- All types of industrial vehicles with Euro III and earlier engines.
- Light vehicles and vans in urban and interurban services, with frequent start ups and stops.
- 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

- Very high soot control in the sump, in EURO III and EPA (American) engines, avoiding excessive oil thickening, filter blockage, and valve train transmission wear.
- High foam control for designs requiring oil as the hydraulic fluid to drive the diesel C injection system.
- A product with a high performance/cost ratio, making it ideal for urban services and public works, with normal oil drain intervals.

## > Physical and chemical properties

Characteristic	Units	Method	Traction Original 15W-40
<b>SAE Grade</b>	-	-	<b>15W-40</b>
Density at 15°C	kg/l	ASTM D 4052	0.887
Viscosity at 100°C	cSt	ASTM D 445	13.9
Viscosity at 40°C	cSt	ASTM D 445	102
Viscosity Index	-	ASTM D 2270	138
CCS Viscosity at -20°C	cP	ASTM D 5293	4725
HTHS Viscosity at 150°C	cP	ASTM D 4683	3.5
Pour Point	°C	ASTM D 5950	-30
Flash Point	°C	ASTM D 92	>210
Base number, TBN	mg KOH/g	ASTM D 2896	10.2
Sulfated ash	% (m/m)	ASTM D 874	1.10

## > 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.