

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

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

### > Manufacturer specifications

- |                          |                    |
|--------------------------|--------------------|
| • MAN M 3275-1           | • Deutz DQC II-10  |
| • DTFR 15B110 (MB 228.3) | • Caterpillar TO-2 |
| • Cummins CES 20076      | • Allison C4       |
| • MTU Type 2             |                    |

### > 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	0.875
Viscosity at 100°C	cSt	ASTM D 445	13.4
Viscosity at 40°C	cSt	ASTM D 445	93
Viscosity Index	-	ASTM D 2270	144
CCS Viscosity at -20°C	cP	ASTM D 5293	4342
HTHS Viscosity at 150°C	cP	ASTM D 4683	>3.7
Pour Point	°C	ASTM D 5950	-30
Flash Point	°C	ASTM D 92	>210
Base number, TBN	mg KOH/g	ASTM D 2896	9.3
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.