



# RUBIA TIR 7900 15W-40



**Mineral** lubricant for **diesel** engines, suitable for use in **on road** applications, with “**low-SAPS**” technology.

## SPECIFICATIONS AND APPROVALS

### International specifications

ACEA E9/E7-04

API CJ-4/CI-4 plus/CI-4/CH-4/SM

### Manufacturers' approvals

- ✓ Cummins CES 20081
- ✓ Detroit Diesel DDC Power Guard 93K218
- ✓ Mack EO-O Premium Plus
- ✓ MAN M 3575
- ✓ MB-Approval 228.31
- ✓ Renault Trucks RLD-3
- ✓ Volvo VDS-4

### Meets the requirements of

- ✓ Caterpillar ECF-3
- ✓ DAF
- ✓ IVECO
- ✓ SCANIA
- ✓ ISUZU

## APPLICATIONS

TOTAL RUBIA TIR 7900 15W-40 is adapted to **on-road diesel** technologies (heavy-duty, urban transport, delivery...).

It is also compatible with certain gas engines.

With its “**low-SAPS**” (low sulphated ash, phosphorus and sulphur) technology, TOTAL RUBIA TIR 7900 15W-40 protects diesel engines equipped with **post-treatment systems** such as diesel particulate filters (DPFs).

TOTAL RUBIA TIR 7900 15W-40 is suitable for **Euro 6** (and previous) **Renault Trucks** and **Volvo** engines and for **most other manufacturers** up to **Euro 5**.

TOTAL RUBIA TIR 7900 15W-40 enables coverage of a fleet of mixed brands, with a minimal number of products.

## PERFORMANCES AND CUSTOMER BENEFITS

TOTAL RUBIA TIR 7900 15W-40 contains **excellent viscosity stability** in service, guaranteeing efficient engine lubrication in severe conditions.

**Exceptional detergent, dispersant and anti-wear additives** keep the **engine's most sensitive parts clean** and enable effective control of soot, sludge and piston deposits.

The “**low-SAPS**” formulation of TOTAL RUBIA TIR 7900 15W-40 improves the post-treatment system durability, preventing the clogging of the diesel particulate filter.

## PHYSICAL AND CHEMICAL CHARACTERISTICS\*

### TOTAL RUBIA TIR 7900 15W-40

		Method	Value
Density at 15°C	kg/m <sup>3</sup>	ASTM D1298	874
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	120
Kinematic Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	15.5
Viscosity Index	-	ASTM D2270	136
Flash point	°C	ASTM D92	218
Pour point	°C	ASTM D97	-36
T.B.N	mgKOH/g	ASTM D2896	8.5
Sulphated Ash	% m/m	ASTM D874	0.98

\* The features mentioned above are average values obtained with some variability in production and do not constitute a specification.

## RECOMMENDATIONS

Before using the product, it is important to check the service manual of the vehicle: the drain is carried out according to the manufacturer's requirements.

The product should not be stored at a temperature above 60 °C. Exposure to strong sunlight, extreme cold or high temperature variations must be avoided.

All packages should be protected from bad weather conditions. The drums should be stored horizontally to avoid a possible contamination by water and the damage of the product label.

## HEALTH, SAFETY AND ENVIRONMENT

Based on available information, this product does not cause adverse health effects when used in the intended application and the recommendations provided in the Safety Data Sheet (MSDS) are followed. It is accessible on request from your local dealer or on the website [www.quickfds.com](http://www.quickfds.com)

This product should not be used for applications other than those for which it is intended.

If disposing of used product, take care to protect the environment and comply with local regulations.