



# RUBIA TIR 7900 FE 10W-30



**Semi-synthetic low-SAPS** lubricant for **diesel** engines, suitable for **on-road heavy-duty** applications, with **FUEL ECONOMY** technology.

## SPECIFICATIONS AND APPROVALS

### International specifications

ACEA E9/E7-04

API CJ-4/CI-4/CH-4

#### 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

- ✓ DAF
- ✓ IVECO

## APPLICATIONS

TOTAL RUBIA TIR 7900 FE 10W-30 is used in **on-road diesel heavy-duty** applications. It is also compatible with certain gas engines.

With its "**low-SAPS**" (low sulphated ash, phosphorus and sulphur) technology, TOTAL RUBIA TIR 7900 FE 10W-30, protects engines equipped with any kind of **post-treatment systems**, such as diesel particulate filters (DPFs).

TOTAL RUBIA TIR 7900 FE 10W-30 is especially recommended for **latest Euro 6 DAF** (PX engines), **Volvo** and **Renault Trucks** engines.

## PERFORMANCES AND CUSTOMER BENEFITS

Its **FUEL ECONOMY** technology helps save 1% fuel on average, compared to a 40 grade reference lubricant. This value can reach 3% if used in combination with **FUEL ECONOMY** transmission lubricants.

High quality base stocks combined with high-performance additives make TOTAL RUBIA TIR 7900 FE 10W-30 an **exceptional technical performances lubricant**.

Excellent **detergent, antioxidant and anti-corrosion** properties help to reach **extended oil drain intervals**, defined by **DAF, Renault Trucks** and **Volvo**, and reduce maintenance costs.

Advanced additives keep the **engine's most sensitive parts clean** thanks to **detergent, dispersant and anti-wear properties**, added to effective control of soot, sludge and deposits

The advanced "**low-SAPS**" formulation of TOTAL RUBIA TIR 7900 FE 10W-30 improves the post-treatment system durability, preventing the clogging of the diesel particulate filter (DPF).

## PHYSICAL AND CHEMICAL CHARACTERISTICS\*

| TOTAL RUBIA TIR 7900 FE 10W-30 |                    | Method     | Value |
|--------------------------------|--------------------|------------|-------|
| Density at 15°C                | kg/m <sup>3</sup>  | ASTM D1298 | 867   |
| Kinematic Viscosity at 40°C    | mm <sup>2</sup> /s | ASTM D445  | 77.5  |
| Kinematic Viscosity at 100°C   | mm <sup>2</sup> /s | ASTM D445  | 11.8  |
| Viscosity Index                | -                  | ASTM D2270 | 146   |
| Flash point                    | °C                 | ASTM D92   | 230   |
| Pour point                     | °C                 | ASTM D97   | -42   |
| T.B.N                          | mgKOH/g            | ASTM D2896 | 8.5   |
| Sulphated Ash                  | % m/m              | ASTM D874  | 0.96  |

\* 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.