



# RUBIA TIR 8900 10W-40



**Synthetic technology “low-SAPS” lubricant, suitable for use in on-road diesel and gas heavy-duty applications.**

## SPECIFICATIONS AND APPROVALS

### International specifications

ACEA E6/E7/E4-99 issue 3

API CI-4/CH-4

### Manufacturers' approvals

- ✓ Mack EO-N
- ✓ MAN M 3477/M 3277 CRT/M 3271-1
- ✓ MB-Approval 228.51
- ✓ Renault Trucks RLD-2
- ✓ Scania Low-Ash
- ✓ Volvo VDS-3
- ✓ VOITH Class B

### Meets the requirements of

- ✓ DAF
- ✓ IVECO

## APPLICATIONS

TOTAL RUBIA TIR 8900 10W-40 is a **synthetic technology** particularly suitable for **on-road diesel heavy-duty** applications.

It is also compatible with most **gas** engines.

With its “**low-SAPS**” (low sulphated ash, phosphorus and sulphur) technology, TOTAL RUBIA TIR 8900 10W-40 protects diesel engines equipped with **post-treatment systems** such as diesel particulate filters (DPFs).

TOTAL RUBIA TIR 8900 10W-40 is particularly adapted to **Euro 6** and previous **Mercedes-Benz, DAF** and **some Scania** engines. It is also suitable for **most Euro 5 vehicle manufacturers**.

This lubricant enables coverage of a fleet of mixed brands with a minimal number of products (American and European manufacturers).

## PERFORMANCES AND CUSTOMER BENEFITS

Synthetic base stocks and high-performance additives offer **high-performance lubricant**.

Its fully synthetic composition provides **exceptional thermal stability**.

**Outstanding detergent, antioxidant and anti-corrosion properties**, help to reach **extended oil drain intervals**, required by **DAF, MAN** and **Mercedes-Benz** and reduce maintenance costs.

**The association of detergent, dispersant and anti-wear** keeps the **engine's most sensitive parts clean**.

**Excellent piston cleanliness performance** affords effective protection against cylinder liner polishing.

The advanced “**low-SAPS**” formulation of TOTAL RUBIA TIR 8900 10W-40 helps prevent the clogging of the diesel particulate filter (DPF) and extends the post-treatment system durability.

## PHYSICAL AND CHEMICAL CHARACTERISTICS\*

### TOTAL RUBIA TIR 8900 10W-40

|                              |                    | Method     | Value |
|------------------------------|--------------------|------------|-------|
| Density at 15°C              | kg/m <sup>3</sup>  | ASTM D1298 | 857   |
| Kinematic Viscosity at 40°C  | mm <sup>2</sup> /s | ASTM D445  | 95    |
| Kinematic Viscosity at 100°C | mm <sup>2</sup> /s | ASTM D445  | 14.3  |
| Viscosity Index              | -                  | ASTM D2270 | 155   |
| Flash point                  | °C                 | ASTM D92   | 234   |
| Pour point                   | °C                 | ASTM D97   | -27   |
| T.B.N                        | mgKOH/g            | ASTM D2896 | 10    |
| Sulphated Ash                | % m/m              | ASTM D874  | 1     |

\* 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.