



# RUBIA TIR 8900 10W-40



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

## SPECIFICATIONS AND APPROVALS

### International specifications

ACEA E6/E7/E9

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

### Manufacturers' approvals

- ✓ Mack EO-O Premium Plus
- ✓ MAN M 3477/M 3271-1
- ✓ MB-Approval 228.51
- ✓ Renault Trucks RLD-3
- ✓ Volvo VDS-4

### Meets the requirements of

- ✓ DAF
- ✓ IVECO TLS E9
- ✓ Cummins CES 20081

## APPLICATIONS

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

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** and **DAF** engines. It is also suitable for **most Euro 5 vehicle manufacturers**.

TOTAL RUBIA TIR 8900 10W-40 is also adapted to gas engines produced by **MAN, Mercedes-Benz, Renault Trucks, Volvo** and some **DAF** engines.

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 semi-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	864
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	91
Kinematic Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	13.7
Viscosity Index	-	ASTM D2270	153
Flash point	°C	ASTM D92	235
Pour point	°C	ASTM D97	-39
T.B.N	mgKOH/g	ASTM D2896	10
Sulphated Ash	% m/m	ASTM D874	0.99

\* 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.