



# RUBIA TIR 8600 10W-40



**High-performance synthetic technology diesel-engine oil, used in on-road heavy-duty applications.**

## SPECIFICATIONS AND APPROVALS

### International specifications

ACEA E4/E7      API CF

### Manufacturers' approvals

- ✓ Mack EO-N
- ✓ MAN M 3277
- ✓ MB-Approval 228.5
- ✓ MTU Category 3
- ✓ Renault Trucks RXD/RLD-2
- ✓ Scania LDF-3
- ✓ Volvo VDS-3
- ✓ VOITH Class A

### Meets the requirements of

- ✓ DAF
- ✓ IVECO

## APPLICATIONS

TOTAL RUBIA TIR 8600 10W-40 is a synthetic technology lubricant particularly suitable for use in **on-road diesel heavy-duty** applications.

This high-performance lubricant is approved by **Scania** for its latest generation of **Euro 6** engines with **long oil drain intervals** defined by the manufacturer.

TOTAL RUBIA TIR 8600 10W-40 is also recommended by **most manufacturers**, such as **IVECO**, for **Euro 5** (and previous) engine models.

TOTAL RUBIA TIR 8600 10W-40 enables coverage of a fleet of mixed brands of engines (American and European manufacturers) with a minimal number of products.

## PERFORMANCES AND CUSTOMER BENEFITS

High quality synthetic base stocks combined with high-performance additives make TOTAL RUBIA TIR 8600 10W-40 an **excellent performance lubricant**, allowing smooth cold starts.

Its fully synthetic base stocks provide **excellent thermal stability**.

**The association of detergent, antioxidant and anti-corrosion additives** helps to reach **extended oil drain intervals**, defined by most manufacturers, especially **Scania**, and reduces maintenance costs.

TOTAL RUBIA TIR 8600 10W-40 exhibits a **very high T.B.N level** (16 mgKOH/g) to neutralize acid compounds and prevent their corrosive attack.

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

## PHYSICAL AND CHEMICAL CHARACTERISTICS\*

TOTAL RUBIA TIR 8600 10W-40		Method	Value
Density at 15°C	kg/m <sup>3</sup>	ASTM D1298	866
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	84.1
Kinematic Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	13
Viscosity Index	-	ASTM D2270	156
Flash point	°C	ASTM D92	243
Pour point	°C	ASTM D97	-42
T.B.N	mgKOH/g	ASTM D2896	16
Sulphated Ash	% m/m	ASTM D874	1.9

\* 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.