

# RUBIA TIR 8800 10W-40

DIESEL ENGINE OIL

## KEY DATA



### SPECIFICATIONS AND APPROVALS

#### International Specifications:

ACEA E4  
API CI-4/CH-4

#### Meets the Requirements of:

✓ Cummins CES 20078

#### Manufacturers' Approvals:

- ✓ Mack EO-N
- ✓ MAN M 3277
- ✓ MB-Approval 228.5
- ✓ Renault Trucks RLD-2
- ✓ Volvo VDS-3

## TECHNOLOGY

### Pro-Efficient technology

Protection approved by professionals, for maximum efficiency.

The Pro-Efficient Technology protects and improves the efficiency of professional engines by ensuring reduced mechanical wear and extended oil drain intervals. Meaning longer engine life, less breakdowns and reduced maintenance costs.



## APPLICATIONS

TOTAL RUBIA TIR 8800 10W-40 is a high-performance synthetic lubricant suitable for use in **on-road diesel heavy-duties**.

This lubricant enables coverage of a fleet of mixed brands, composed of American, such as **Cummins**, and European manufacturers, with a minimal number of products.

TOTAL RUBIA TIR 8800 10W-40 is adapted to **Euro 5** and previous engines, with approvals of **Mercedes-Benz, MAN, Volvo** and **Renault Trucks**.

# RUBIA TIR 8800 10W-40

DIESEL ENGINE OIL

## PERFORMANCES AND CUSTOMER BENEFITS

High quality synthetic base stocks combined with high-performance additives make TOTAL RUBIA TIR 8800 10W-40 an **excellent performance lubricant**. Excellent **detergent, antioxidant and anti-corrosion properties** help to reach **extended oil drain intervals** defined by the manufacturer and reduce maintenance costs. TOTAL RUBIA TIR 8800 10W-40 exhibits a **very high T.B.N level** (14 mgKOH/g) to neutralize acid compounds and prevent their corrosive attack.

The association of **detergent, dispersant and anti-wear** additives keeps the **engine's most sensitive parts clean** and enables effective control of soot, sludge and piston deposits. **Excellent piston cleanliness performance** confers efficient protection against cylinder liner polishing.

## PHYSICAL AND CHEMICAL CHARACTERISTICS \*

TEST	UNIT	TEST 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	98.5
Kinematic Viscosity at 100 °C	mm <sup>2</sup> /s	ASTM D445	14.6
Viscosity Index	-	ASTM D2270	154
Flash Point	°C	ASTM D92	232
Pour Point	°C	ASTM D97	-30
T.B.N	mgKOH/g	ASTM D2896	14
Sulphated Ash	% m/m	ASTM D874	1.67

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

## RECOMMENDATIONS FOR USE

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 THE 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 <http://sdstotalms.total.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.