



RUBIA TIR 7800 15W-40



High-performance mineral lubricant for *diesel* and *gasoline* engines.

SPECIFICATIONS AND APPROVALS

International specifications

API CI-4 plus/CI-4/CH-4/SL

Manufacturers' approvals

- ✓ Cummins CES 20078
- ✓ Mack EO-N
- ✓ MAN M 3275
- ✓ MB-Approval 228.3
- ✓ Volvo VDS-3

Meets the requirements of

- ✓ Caterpillar ECF-2
- ✓ Detroit Diesel DDC Power Guard 93K214

APPLICATIONS

TOTAL RUBIA TIR 7800 15W-40 is a high-performance **diesel-** and **gasoline-engine oil** formulated to meet the **API CI-4 plus** specification.

This lubricant is particularly adapted to vehicles equipped with **EGR systems**.

TOTAL RUBIA TIR 7800 15W-40 is approved by most manufacturers, such as **Cummins, MAN, Mercedes-Benz** and **Volvo**.

TOTAL RUBIA TIR 7800 15W-40 enables coverage of a fleet of mixed brands (American and European manufacturers), with a minimal number of products.

PERFORMANCES AND CUSTOMER BENEFITS

TOTAL RUBIA TIR 7800 15W-40 contains **excellent viscosity stability** in service, ensuring efficient engine lubrication in severe conditions.

Excellent **detergent, antioxidant and anticorrosion** additives help to reach **extended oil drain intervals** defined by the manufacturer.

TOTAL RUBIA TIR 7800 15W-40 exhibits a **high T.B.N. level** (11 mgKOH/g) to neutralize acid compounds and prevent their corrosive attack.

Outstanding detergent, dispersant and anti-wear properties keep the **engine clean** and enable effective control of soot, sludge and piston deposits.

PHYSICAL AND CHEMICAL CHARACTERISTICS*

TOTAL RUBIA TIR 7800 15W-40

		Method	Value
Density at 15°C	kg/m ³	ASTM D1298	881
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	118.2
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	15.2
Viscosity Index	-	ASTM D2270	136
Flash point	°C	ASTM D92	224
Pour point	°C	ASTM D97	-33
T.B.N	mgKOH/g	ASTM D2896	11
Sulphated Ash	% m/m	ASTM D874	1.1

* 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

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.