



RUBIA TIR 7900 5W-40



Synthetic lubricant for **diesel** engines, suitable for use in **on road** applications, with “**low-SAPS**” technology.

SPECIFICATIONS AND APPROVALS

International specifications

API CJ-4

Meets the requirements of

- ✓ Caterpillar ECF-3
- ✓ CUMMINS CES 20081
- ✓ MACK EO-N Premium Plus
- ✓ Detroit Diesel Power Guard 93K218
- ✓ ALLISON C-4
- ✓ VOLVO VDS-4
- ✓ RENAULT TRUCKS RLD-3
- ✓ MB-Approval 228.31
- ✓ MAN M 3575

APPLICATIONS

TOTAL RUBIA TIR 7900 5W-40 is adapted to **on-road diesel** technologies (heavy-duty, urban transport, delivery...). It is also compatible with **certain gas engines**.

With its “**low-SAPS**” (low sulphated ash, phosphorus and sulphur) technology, TOTAL RUBIA TIR 7900 5W-40 protects diesel engines equipped with **post-treatment systems** such as diesel particulate filters (DPFs).

TOTAL RUBIA TIR 7900 5W-40 is suitable for **Euro 6** (and previous) **Renault Trucks** and **Volvo** engines and for **most other manufacturers** up to **Euro 5**.

TOTAL RUBIA TIR 7900 5W-40 enables coverage of a **fleet of mixed brands**, with a minimal number of products.

PERFORMANCES AND CUSTOMER BENEFITS

TOTAL RUBIA TIR 7900 5W-40 contains **excellent viscosity stability** in service, guaranteeing efficient engine lubrication in severe conditions.

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

The “**low-SAPS**” formulation of TOTAL RUBIA TIR 7900 5W-40 improves the post-treatment system durability, preventing the clogging of the diesel particulate filter.

TOTAL RUBIA TIR 7900 5W-40 is designed to provide superior **all-season protection** for diesel engines and can be utilized where **pumpability at low temperature** would traditionally require lower viscosity grade oil.

PHYSICAL AND CHEMICAL CHARACTERISTICS*

TOTAL RUBIA TIR 7900		Method	5W-40
Density at 15°C	kg/m ³	ASTM D1298	860
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	100
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	15.3
Viscosity Index	-	ASTM D2270	160
Flash point	°C	ASTM D92	230
Pour point	°C	ASTM D97	-45
T.B.N	mgKOH/g	ASTM D2896	10.0
Sulphated Ash	% m/m	ASTM D874	1.0

* 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.