

RUBIA TIR 8900 FE 10W-30

DIESEL & GAS ENGINE OIL

KEY DATA



SPECIFICATIONS AND APPROVALS

International Specifications:

ACEA E6, E7, E9
API CJ-4/CI-4/CH-4

Manufacturers' Approvals:

- ✓ Mack EO-O Premium Plus
- ✓ MB-Approval 228.51
- ✓ Renault Trucks RLD-3
- ✓ Volvo VDS-4

Meets the Requirements of:

- ✓ Cummins CES 20081
- ✓ MAN M 3477/M 3271-1
- ✓ DAF
- ✓ IVECO

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 8900 FE 10W-30 is a **semi-synthetic** high-performance lubricant particularly suitable for use in **on road diesel heavy-duty** applications. With its "**low-SAPS**" (low sulphated ash, phosphorus and sulphur) technology, TOTAL RUBIA TIR 8900 FE 10W-30 protects diesel engines equipped with **post-treatment systems** such as diesel particulate filters (DPFs).

TOTAL RUBIA TIR 8900 FE 10W-30 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 FE 10W-30 is also adapted to **gas** engines produced by **MAN**.

This lubricant enables coverage of a fleet of mixed brands with a minimal number of products (American and European manufacturers).

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PERFORMANCES AND CUSTOMER BENEFITS

Its **FUEL ECONOMY** technology helps save 1% fuel on average, compared to a 40 grade reference lubricant. This value can reach 3% if used in combination with **FUEL ECONOMY** transmission lubricants. High quality synthetic base stocks combined with high-performance additives make TOTAL RUBIA TIR 8900 FE 10W30 an **exceptional performances** lubricant. Its semi-synthetic composition allows **excellent thermal stability**. Outstanding **detergent, antioxidant and anti-corrosion properties** help to reach **extended oil drain intervals** defined by manufacturers and reduce maintenance costs.

Detergent, dispersant and anti-wear additives keep the **engine clean** and enable efficient control of soot, sludge and piston deposits.

PHYSICAL AND CHEMICAL CHARACTERISTICS *

TEST	UNIT	TEST METHOD	VALUE
Density at 15 °C	kg/m ³	ASTM D1298	864
Kinematic Viscosity at 40 °C	mm ² /s	ASTM D445	79
Kinematic Viscosity at 100 °C	mm ² /s	ASTM D445	12.3
Viscosity Index	-	ASTM D2270	153
Flash Point	°C	ASTM D92	237
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 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.