

# RUBIA TIR 9200 FE 5W-30

DIESEL ENGINE OIL

## KEY DATA



### SPECIFICATIONS AND APPROVALS

#### International Specifications:

ACEA E4, E7

#### Manufacturers' Approvals:

- ✓ Mack EO-N
- ✓ MAN M 3277
- ✓ MB-Approval 228.5
- ✓ Renault Trucks RLD-2
- ✓ Volvo VDS-3
- ✓ Scania LDF-3
- ✓ VOITH Class A
- ✓ Isuzu Recommended Lubricant (2020)

#### Meets the Requirements of:

- ✓ Cummins CES 20077/20076
- ✓ IVECO TFE
- ✓ DAF

## 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 9200 FE 5W-30 is a **synthetic** high-performance lubricant used in **on-road diesel heavy-duty** applications.

TOTAL RUBIA TIR 9200 FE 5W-30 is recommended for **Euro 5** and previous engine models with approvals of **most manufacturers**. It is also suitable for Euro 5 **IVECO** engines with extended oil drain intervals (up to 150 000 km).

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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.

**Excellent detergent, antioxidant and anti-corrosion** additives help to reach **extended oil drain intervals**, defined by manufacturers (such as **IVECO, MAN, Scania** and **Mercedes-Benz**) and reduce maintenance costs.

Outstanding **detergent, dispersant and anti-wear properties** keep the **engine's most sensitive parts clean** and afford 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	860
Kinematic Viscosity at 40 °C	mm <sup>2</sup> /s	ASTM D445	72.4
Kinematic Viscosity at 100 °C	mm <sup>2</sup> /s	ASTM D445	12
Viscosity Index	-	ASTM D2270	158
Flash Point	°C	ASTM D92	220
Pour Point	°C	ASTM D97	-45
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 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.