



RUBIA TIR 8900 FE 10W-30



New low SAPS and Fuel Economy lubricant for Diesel engines

USES

- New generation, synthetic technology, very high performance, Low SAPS (Sulphated Ash, Phosphorus and Sulphur) and Fuel Economy heavy duty diesel engine oil
- Particularly suitable for Euro 5 and previous engines equipped with any kind of post-treatment system (EGR only, EGR + DPF*, SCR*, SCRT, ...)
DPF= Diesel particulate filters (DPF) SCR= Selective Catalytic Reduction
- Suitable for diesel and gas engines as well (homologated MAN 3271-1)

SPECIFICATIONS

**International specifications
OEM approvals**

ACEA E6 / E7/ E4-99 issue 3
 API CI-4
 JASO DH-2
 DAF
 MERCEDES MB-Approval 228.51
 MAN M 3477 / M 3277-CRT/ 3271-1
 VOLVO VDS-3
 RENAULT TRUCKS RLD-2

CUSTOMER BENEFITS

Fuel savings certified by



Low SAPS lubricant



Technical performances

- Developed in cooperation with the transport industry, this particularly competitive lubricant can significantly reduce fuel consumption. After tests carried out in 2009 in Millbrook (UK) on a Euro 4 truck , the TUV certified that TOTAL RUBIA TIR 8900 FE 10W30 **helps to save 1, 34 % of fuel on average** (1,64% in suburban conditions)
- Used with Fuel Economy transmission lubricants, the TUV certifies fuel savings of 3% on average (up to 6,41%)

Its low content in Sulphated Ash, Phosphorus and Sulphur (SAPS) helps prevent the clogging of the Diesel Particulates Filter

- Proven lubrication performances with **excellent anti wear and dispersancy properties** (passing the most severe dispersancy engine test at API CJ-4 level, a norm especially designed for high soot content in the lubricant due to high EGR levels)
- Outstanding **anti oxidant and anti corrosion properties** guaranteeing long drain intervals and a good compatibility with Biodiesel
- **Excellent piston cleanliness performance**, perfect for providing protection against bore polishing and cylinder wear (e.g. the outstanding result on piston cleanliness on MAN and Mercedes engine tests)
- **Exceptional thermal stability** due to a blend of high quality base oils

CHARACTERISTICS

| | Units | SAE Grade 10W-30 |
|-------------------------|--------------------|----------------------------|
| Volumetric mass at 15°C | kg/m ³ | 0.860 |
| Viscosity at 100°C | mm ² /s | 11.2 |
| Viscosity at 40°C | mm ² /s | 72.5 |
| Viscosity index | - | 147 |
| Flash point | °C | >200 |
| Pour Point | °C | - 33 |
| T.B.N | mgKOH/g | 10 |

The typical characteristics mentioned represent mean values

TOTAL LUBRIFIANTS
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 France

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This lubricant, used in accordance with our recommendations and for the application for which it is intended, does not represent a special hazard. A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant.