

# Rubia Optima 3500 FE 5W-30

Diesel & Gas engine oil

## KEY DATA



Fully synthetic technology Low-SAPS Diesel engine oil with FUEL ECONOMY technology based on the latest API CK-4 specification, suitable for on-road heavy-duty applications.

### INTERNATIONAL STANDARDS

- 🔥 ACEA E4, E6, E7, E8, E9, E11
- 🔥 API CK-4/CJ-4/CI-4/CH-4

### MANUFACTURER APPROVALS

- 🔥 Mack EOS-4.5
- 🔥 MAN M 3677 / M 3777
- 🔥 DTFR 15C110 (228.51)
- 🔥 DTFR 15C120 (228.52)
- 🔥 Renault Trucks RLD-3
- 🔥 Scania LDF-4
- 🔥 Volvo VDS-4.5
- 🔥 Cummins CES 20086

### MEETS THE REQUIREMENTS OF

- 🔥 MAN M 3477/M 3271-1
- 🔥 DAF PSQL 2.1E LD
- 🔥 Ford WSS-M2C213-A1

### SUITABLE FOR

- 🔥 FPT IVECO CATEGORY TLS E6

## TECHNOLOGY

### Inno-Boost technology

Ready for the next chapter of engine technology.

With the Inno-Boost Technology, formulations incorporate the right combination of strong anti-oxidant molecules. These active molecules inhibit radical formation and keep the hydrocarbon chains intact. As a result, the engine oil viscosity remains stable and keeps its properties for longer time.



## APPLICATIONS

Rubia Optima 3500 FE 5W-30 is a fully synthetic new generation lubricant based on the latest API CK-4 specification. It's fitted for most of international trucks & buses engine manufacturers, including all European Euro 6 applications (Daimler, Volvo, Scania, MAN, Iveco, DAF), It is also compatible with certain gas engines.

With its "Low-SAPS" (Low Sulphated Ash, Phosphorus and Sulphur) technology, Rubia Optima 3500 FE 5W-30 is specifically adapted to the latest generation of diesel engines equipped with post-treatment systems, such as diesel particulate filters (DPFs).

Rubia Optima 3500 FE 5W-30 is especially suitable for IVECO Euro 6 vehicles with extended oil drain intervals as defined by the manufacturer and has the approvals of MAN M 3677 and Scania LDF-4, suitable for their Euro 6 engines.

## PERFORMANCES & CUSTOMER BENEFITS

- 🔥 Its FUEL ECONOMY technology helps to save 1% fuel on average, compared to a SAE 40 grade reference lubricant. This value can reach 3 if used in combination with FUEL ECONOMY transmission lubricants. Rubia Optima 3500 FE 5W-30 exhibits exceptional thermal stability enables easier cold start and helps to reach extended oil drain intervals.
- 🔥 The advanced Low-SAPS formulation of Rubia Optima 3500 FE 5W-30 helps to prevent the clogging of the diesel particulate filter and extends the post treatment system durability.

## CHARACTERISTICS\*

TEST	UNIT	TEST METHOD	RESULT
Density at 15 °C	kg/m <sup>3</sup>	ASTM D1298	861
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	72.5
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	12.2
Viscosity index	-	ASTM D2270	166
Pour point	°C	ASTM D97	-42
Flash Point	°C	ASTM D92	223
T.B.N	mg KOH/g	ASTM D2896	13
Sulphated Ash	% m/m	ASTM D874	0.95

\*The characteristics given above are obtained with a standard tolerance threshold during production and may not be considered specifications.

## RECOMMENDATIONS FOR USE

Before using the product, the vehicle's maintenance guide should be checked. Oil changes should be carried out in accordance with the manufacturer's recommendations.

The product should not be stored at temperatures over 60°C. It should be kept away from sunlight, intense cold and extreme temperature fluctuations. If possible, the packaging should not be exposed to the elements. Otherwise, the drums should be laid horizontally in order to avoid any contamination from water and to prevent the product's label from rubbing off.

## HEALTH, SAFETY AND THE ENVIRONMENT

Based on the toxicological information available, this product should not cause any adverse health effects, provided it is used for its intended purpose and in accordance with the recommendations laid out in the Safety Data Sheet (SDS).

This can be obtained on request from your local reseller and is available for consultation at <https://ms-sds.totalenergies.com>.

This product should not be used for any purposes other than the ones for which it is intended.

