

# Rubia Optima 3500 10W-40

Diesel & Gas engine oil

## KEY DATA



Synthetic technology low-SAPS lubricant oil based on the latest API CK 4 specification, suitable for use in all on-road diesel and gas heavy-duty engines.

### INTERNATIONAL STANDARDS

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

### MANUFACTURER APPROVALS

- MAN M 3775
- MB Approval 228.51 / 228.52
- Mack EO S 4.5
- Volvo VDS 4.5
- Renault Trucks RLD 3
- Cummins CES 20086

### MEETS THE REQUIREMENTS OF

- MAN M 3477/M 3271 1
- DAF

### SUITABLE FOR

- FPT IVECO CATEGORY TLS CK 4
- FPT IVECO CATEGORY TLS NG 2

## TECHNOLOGY

### Inno-Boost technology

Ready for the next chapter of engine technology.

With the Inno-Boost Technology, formulations incorporate 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 10 W 40 is synthetic technology lubricant 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 most gas engines.

Its low SAPS (Low Sulphated Ash, Phosphorus and Sulphur) technology protects the latest generation of diesel engines equipped with any kind of post treatment systems such as diesel particulate filters ( Rubia Optima 3500 10 W 40 is a lubricant adapted to most new Euro 6 engines, such as DAF Mercedes Benz Volvo Renault Trucks and previous engine models as well Rubia Optima 3500 10 W 40 enables coverage of a fleet of mixed brands of engines, with very long oil drain intervals criterion and equipped with or without post treatment systems, with a minimal number of products.

## PERFORMANCES & CUSTOMERS BENEFITS

- High quality synthetic base stocks combined with high-performance additives make Rubia Optima 3500 10W- 40 an exceptional technical performances lubricant.
- Excellent detergent, antioxidant and anti-corrosion properties help to reach extended oil drain intervals and reduce maintenance costs.
- The advanced “low-SAPS” formulation of Rubia Optima 3500 10W-40 improves the post-treatment system durability, preventing the clogging of the diesel particulate filter (DPF).

## CHARACTERISTICS\*

TEST	UNIT	TEST METHOD	RESULT
Density at 15 °C	kg/m <sup>3</sup>	ASTM D1298	865
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	92.4
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	14
Viscosity index	-	ASTM D2270	155
Pour point	°C	ASTM D97	-30
Flash Point	°C	ASTM D92	236
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.



TotalEnergies Lubricants / Last update of this datasheet: June 22 / Rubia Optima 3500 10W-40

Some variations can be expected under normal production conditions, but these should not affect the product's expected performance irrespective of the site. The information contained in this document is subject to change without notice. Our products can be viewed on our website at [www.lubricants.totalenergies.com](http://www.lubricants.totalenergies.com).