

TOTAL RUBIA OPTIMA

OPTIMIZING PERFORMANCE
TO TAKE YOU FURTHER
EVERY DAY.



- TOTAL PROTECTION
- INTERNATIONAL APPROVALS
- REDUCED COSTS



THE MOST TECHNOLOGICALLY ADVANCED RUBIA ENGINE OILS

Introducing TOTAL RUBIA OPTIMA, the new heavy-duty diesel engine oils (HDDEOs) meeting API CK-4 and FA-4 that are formulated to optimize engine performance - to take you further every day.

Energizing performance. Every day



TOTAL RUBIA OPTIMA THREE GREAT NEW WAYS TO GO FURTHER EVERY DAY.

TOTAL RUBIA OPTIMA includes three new heavy-duty engine oils meeting API CK-4 and FA-4 that are specially formulated for newer, more efficient engines and a more eco-friendly approach to the environment.

TOTAL RUBIA OPTIMA pushes HDDEOs to a higher standard surpassing API CJ-4 with an advanced formulating approach to optimize performance for exceptional wear protection, improved piston cleanliness and excellent oxidation control.

THE NEW TOTAL RUBIA OPTIMA

TOTAL RUBIA OPTIMA 1000 series meet



Most advanced API specification transcending API CJ-4.

Can be used as a replacement for your current oil.

TOTAL RUBIA OPTIMA 1100 15W-40



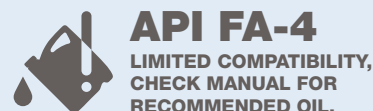
- Mineral based
- Meets the requirements of API CK-4/CJ-4/SN, ACEA E9/E7
- Key American & European OEM specifications¹
- An upgraded alternative to TOTAL RUBIA TIR 7900 15W-40

TOTAL RUBIA OPTIMA 1100 FE 10W-30



- Synthetic based
- Fuel Economy
- Meets the requirements of API CK-4/CJ-4, ACEA E9/E7
- Key American & European OEM specifications¹
- An upgraded alternative to TOTAL RUBIA TIR 7900 FE 10W-30
- *Product available on demand*

TOTAL RUBIA OPTIMA 2000 series meet



Same performance as API CK-4, but in a lower viscosity to provide enhanced fuel economy benefits.

For newer engines, with limited backwards compatibility.

Please follow manufacturer recommendations.

TOTAL RUBIA OPTIMA 2100 XFE 10W-30



- Synthetic based
- Extra Fuel Economy
- Meets the requirements of API FA-4
- Key American & European OEM specifications¹
- An upgraded alternative to TOTAL RUBIA TIR 7900 FE 10W-30²
- *Product available on demand*

¹ OEM specifications will be updated when made available by the OEMs.

² Only when an OEM allows the use of API FA-4 oils for a given engine, TOTAL RUBIA OPTIMA 2100 XFE 10W-30 can be used for enhanced fuel economy benefits.

Energizing performance. Every day





FORMULATED WITH T.I.R TECHNOLOGY TO OPTIMIZE ENGINE PERFORMANCE.

TOTAL RUBIA OPTIMA WITH T.I.R TECHNOLOGY MEANS YOU ARE ASSURED OF:

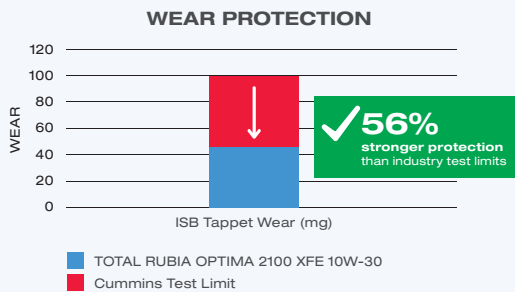
T TOTAL PROTECTION:

TOTAL RUBIA OPTIMA gives you improved performance that surpasses CJ-4 oils and CK-4 test limits:



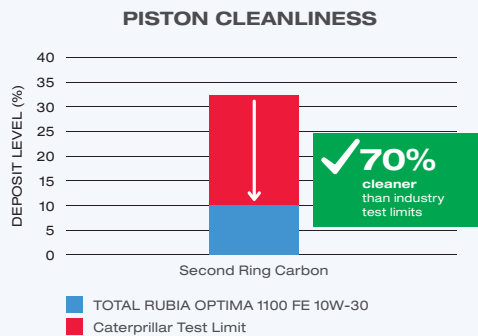
Exceptional Wear Protection

TOTAL RUBIA OPTIMA 2100 XFE 10W-30 formed a protective film between the moving parts in an official test on a Cummins ISB engine, resulting in reduced wear by up to 56%.



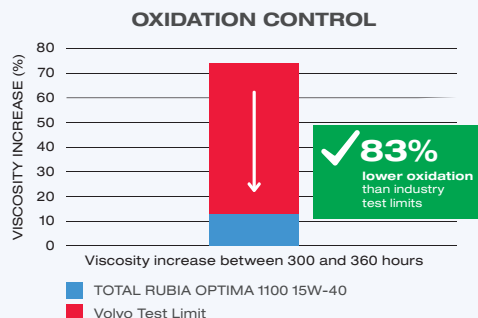
Improved Piston Cleanliness

TOTAL RUBIA OPTIMA 1100 FE 10W-30 helps engines run more smoothly at high temperatures by keeping engines up to 70% cleaner than most oils in the market, as demonstrated in a Caterpillar C13 test.



Excellent Oxidation Control

In a Volvo T13 test, the characteristics of TOTAL RUBIA OPTIMA 1100 15W-40 were maintained under high temperature with up to 83% lower oxidation than most oils in the market.



I INTERNATIONAL APPROVALS:

TOTAL RUBIA OPTIMA meets or exceeds all OEM requirements¹ for engine protection throughout oil drain intervals by cooperating closely with OEMs.

R REDUCED COSTS:

TOTAL RUBIA OPTIMA offers better fleet cost savings with a full suite of TOTAL Fuel Economy engine and transmission oils and a leading condition monitoring service with TOTAL ANAC.



TOTAL Fuel Economy

TOTAL RUBIA OPTIMA oils meeting API FA-4 improve fuel economy while lowering carbon dioxide emissions based on over 20 years of experience in developing Fuel Economy oils for engines, gearboxes and axles.



TOTAL ANAC

TOTAL ANAC is a leading oil analysis and condition monitoring service to support the clients' fleet maintenance to:

- Prevent premature wear and possible failure
- Extend service life of engine parts and
- Save on overall operating costs.



1800 TOTAL OIL
QUICK RESPONSE AND DIRECT SUPPORT

When you need support, TOTAL has answers.
With affiliates in over 100 countries worldwide, TOTAL gives you the direct support you need, when you need it.

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