

RUBiA
ENGINE OIL

Rubia EV3R Regeneration for a new generation



Rubia EV3R Reduce, Reuse, Regenerate

Rubia EV3R, TotalEnergies' advanced re-refined base oil range, is designed for heavy-duty vehicles, offering high performance while reducing environmental impact.



TotalEnergies



www.lubricants.totalenergies.com

Powering Global Mobility with Environmentally Conscious Energy Solutions

TotalEnergies' Marketing & Services business segment offers its professional and private customers a wide range of broad energy products and services - petroleum products, biofuels, charging and related services for electric vehicles, gas for road and maritime transportation - to support them in their mobility and help them reduce their carbon footprint.

TotalEnergies is a leading global manufacturer and marketer of lubricants, with 42 production sites around the world and more than 5,800 employees in 160 countries.

To effectively support its B2B customers, TotalEnergies leverages an extensive sales force, a global logistics network, and a diverse product offering. Operating in 107 countries, the company's 31,000 employees remain closely connected to customers worldwide.



Rubia EV3R: Regeneration For A New Generation

TotalEnergies, is committed to implement innovative solutions in the lubricant industry. Rubia EV3R, an advanced Re-refined base oil (RRBO) range, is designed for heavy-duty vehicles-delivering high performance while minimizing environmental impact. By embracing the 3R approach - Reduce, Reuse, Regenerate.

Rubia EV3R actively contributes to the circular economy:



REDUCE

Lowering CO₂ footprint compared to equivalent conventional products



REUSE

Leveraging existing resources to promote a circular economy



REGENERATE

Transforming used oils into high-quality lubricants that meet the toughest industry standards



How can Ecodesigned Products Enhance your Operations?

Rubia EV3R embraces an ecodesign concept to deliver the same high performance with a lower environmental impact.

Made with re-refined base oils (RRBO) and packaged using lighter, recyclable materials, it reduces waste while ensuring engine durability.

With optimized efficiency and sustainability, Rubia EV3R helps customers cut energy use, minimize waste, and support a circular economy.



Circular Economy

TotalEnergies acquired Tecoil in 2024, a Finnish company specializing in the production of the highest quality base oils.

This vertical integration ensures a continued supply of the highest quality re-refined base oils and aligns with TotalEnergies circular economy approach.



Reduce the carbon footprint of lubricants while delivering high performance.



How Rubia EV3R Drives Customer Success in Decarbonization?

Rubia EV3R Range: Cutting-Edge Lubricants for Sustainable Performance



3R

Reduce, Reuse
Regenerate

Above 50%

Regenerated
base oils ⁽¹⁾

CO₂

32% reduced
carbon footprint ⁽²⁾⁽³⁾

LOW SAPS

particulate filter

Rubia EV3R LS FE 10W-30

International Standards:

• ACEA E7, E11 • API CK-4/CJ-4/CI-4+/CI-4/CH-4

Manufacturer approvals:

• Cummins CES 20086 • Mack EOS-4.5 • DTFR 15C100
• Renault Trucks RLD-3 • Volvo VDS-4.5 • FORD WSS-M2C 171-F1

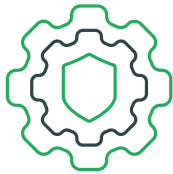
Meets the requirements of:

• DAF PSQL 2.1E • IVECO • DDC DFS 93K222

Suitable for:

• DAF (ACEA E11)

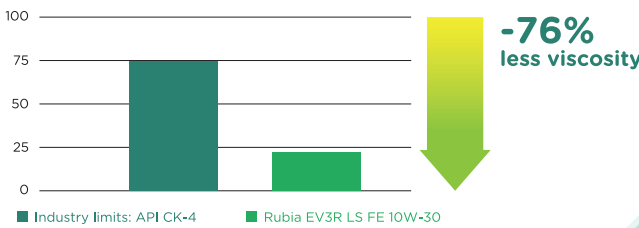
Uncompromised performance vs virgin base oil-based formulation



Enhanced Oxidation Stability

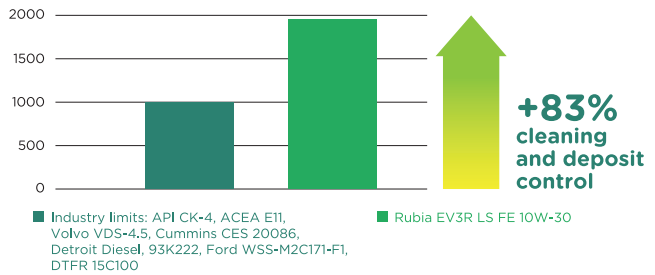
Rubia EV3R LS FE 10W-30 has improved oxidation stability that disrupts oxidation reactions, prevents formation of harmful sludge and protects hotter engines.

Volvo T13 Test
(KV 40 Viscosity Increase 300-360h)



Outstanding Cleaning and Deposit Control

Rubia EV3R LS FE 10W-30 has advanced additives to keep the engine's most sensitive parts clean thanks to detergent, dispersant and anti-wear properties, added to effective control of soot, sludge and deposits.



¹ Regenerated oil is used oil that has undergone a refining process to restore its properties and quality so that it can be reused.
² Cradle to gate comparison with previous generation Rubia Optima 1100 10W-30 in virgin base oil.
³ Actual CO₂ savings can be calculated based on your current unique setup.



ECO DESIGN

Same performance,
less environmental
impact



CIRCULAR ECONOMY

>50% RRBO*
incorporation in base oil
Product lifecycle extension
*Highquality Re-Refined Base Oils



CO₂ Reduction

At least 20% carbon
footprint reduction
Lubricants (cradle to gate)*
Product lifecycle extension
*Cradle to gate comparison
with previous generation Rubia
products in virgin base oil

Rubia EV3R Range:
Cutting-Edge Lubricants for Sustainable Performance



3R

Reduce, Reuse
Regenerate

Above 50%

Regenerated
base oils ⁽¹⁾

CO₂

23% reduced
carbon footprint ⁽²⁾⁽³⁾

LOW SAPS
particulate filter

Rubia EV3R LS 15W-40

International Standards:

• ACEA E7, E11 • API CK-4/CJ-4/CI-4+/CI-4/CH-4/SN

Manufacturer approvals:

• Cummins CES 20086 • Mack EOS-4.5 • DTFR 15C100
• Renault Trucks RLD-3 • Volvo VDS-4.5 • FORD WSS-M2C 171-F1

Meets the requirements of:

• IVECO • DDC DFS 93K222



3R

Reduce, Reuse
Regenerate

Above 50%

Regenerated
base oils ⁽¹⁾

CO₂

37% reduced
carbon footprint ⁽²⁾⁽³⁾

LOW SAPS
particulate filter

Rubia EV3R 15W-40

International Standards:

• ACEA E7 • API CI-4

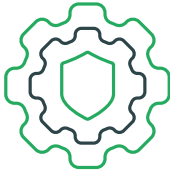
Manufacturer approvals:

• Cummins CES 20078 • Mack EO-N • DTFR 15B110
• Renault Trucks RLD-2 • Volvo VDS-3

Meets the requirements of:

• MAN M 3275 • MAN M 3275 • IVECO T2 E7
• DAF • SCANIA • ISUZU

Uncompromised performance vs virgin base oil-based formulation



Enhanced Oxidation
Stability

Rubia EV3R LS 15W-40 has improved oxidation stability that disrupts oxidation reactions, prevents formation of harmful sludge and protects hotter engines.

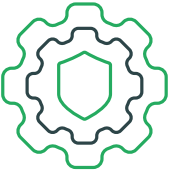
Volvo T13 Test
(KV 40 Viscosity Increase 300-360h)

100
75
50
25
0

■ Industry limits: API CK-4

■ Rubia EV3R LS 15W-40

-76%
less viscosity



Corrosion control for
improved efficiency

Rubia EV3R 15W-40 enhances the longevity and reliability of engine components by preventing the formation of harmful corrosion products, which can lead to engine failures and costly repairs.

20
15
10
5
0

■ Industry limits: API CI-4, Volvo VDS-3, DTFR 15B110

■ Rubia EV3R 15W-40

-85%
less corrosion



Advanced Detergency
and Dispersancy

Rubia EV3R LS 15W-40 has exceptional detergent, dispersant and anti-wear additives keeping the engine's most sensitive parts clean and to enable effective control of soot, sludge and piston deposits.

2000
1500
1000
500
0

■ Industry limits: API CK-4, ACEA E11, Volvo VDS-4.5, Cummins CES, 20086, Detroit Diesel, 93K222, Ford WSS-M2C171-F1, DTFR 15C100

■ Rubia EV3R LS 15W-40

+83%
detergency
and efficiency
proper



Enhanced anti-wear
properties

Rubia EV3R 15W-40 enhances the longevity and reliability of engine components by forming a protective layer on metal surfaces, which reduces direct metal-to-metal contact and minimizes wear.

30
25
20
15
10
5
0

■ Industry limits: Volvo VDS-3, ACEA 7, Cummins 20078

■ Rubia EV3R 15W-40

-42%
less wear

¹ Regenerated oil is used oil that has undergone a refining process to restore its properties and quality so that it can be reused.
² Cradle to gate comparison with previous generation Rubia Optima 1100 10W-30 in virgin base oil.
³ Actual CO₂ savings can be calculated based on your current unique setup.

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Trusted by Heavy Vehicle Manufacturers Worldwide

Rubia products are tested and approved more than 200 times by Major Heavy Vehicle Manufacturers (Original Equipment Manufacturers - OEMs).

These product approvals are the guarantee certificates proving that Rubia products are 100% compatible with the engine technology of the related manufacturers.



*For Rubia range in its entirety

Rubia EV3R - For the Environment, for Performance, for Your Business

TOP-QUALITY PERFORMANCE

Rubia EV3R products are OEM-approved and made with Europe's highest-quality base oils, delivering the same trusted performance and reliability as standard engine oils.

SUPPORTS ESG GOALS

Makes it easier for customers to meet and report on environmental, social, and governance (ESG) initiatives.

REGULATORY COMPLIANCE

Helps customers stay ahead of evolving environmental regulations with eco-conscious solutions.



ENVIRONMENTALLY FRIENDLY

Helps customers reduce their CO₂ footprint and operate more sustainably.

BETTER WASTE OIL MANAGEMENT

Supports customers with improved used oil handling, reducing pollution risks.

BOOSTS BRAND IMAGE

Strengthens customers' brand reputation by showcasing their commitment to quality and sustainability.



TotalEnergies

**Ready to enhance your
business with Rubia EV3R?
Contact us today!**



Website



LinkedIn