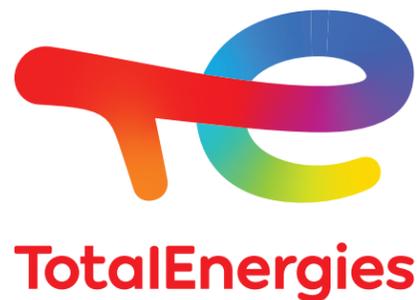


RUBiA

HEAVY DUTY ENGINE OIL



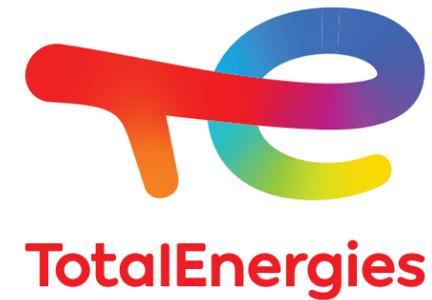
The Next Generation of Heavy Duty Lubricants



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Global Resources, Locally Sourced

Innovation is a priority for TotalEnergies. With global Research & Development resources at our disposal, TotalEnergies meets or exceeds the requirements of major OEMs. And with local blending plants and distribution networks, TotalEnergies can provide coverage, diversity and redundancy through our highly responsive and proactive logistical operations.

About TotalEnergies

TotalEnergies Marketing USA, Inc. is a part of the Americas Division for the Marketing Services branch of the TotalEnergies Group. TotalEnergies is the world's fourth largest energy company with 45 production sites worldwide where we manufacture lubricants, bitumen, special fuels and additives. We're committed to supplying affordable energy to a growing population, addressing climate change and meeting new customer expectations.

Those commitments guide what we do. With operations in more than 130 countries, we are a global integrated energy producer and provider, a leading international oil and gas company, and a major player in low-carbon energies. We explore to produce, transform, market and distribute energy in a variety of forms, to serve the end customer.

The Marketing & Services division of TotalEnergies develops and markets products primarily derived from crude oil, along with all of the associated services.



The Leader in Heavy Duty Lubricants

The Legacy of TotalEnergies

Founded in 1924, TotalEnergies has become a worldwide major partner in the trucking industry serving OEMs and individual truck owners. With over 17,000 gas stations around the globe, we continue to provide lubricant solutions and diesel exhaust fluid solutions to keep our customers on the road. These solutions are also aimed at lowering the total cost of vehicle ownership and reducing CO₂ emissions.

Quality and Consistency in Every Lubricant We Make

Keeping your trucks, buses or fleet running smoothly is crucial for your business. Selecting the wrong engine oil could mean premature engine wear, reduced fuel economy, longer downtime or even mechanical failure. With our rigorous testing and research, you can rest assured that our products are suited perfectly to your engine's needs.

Our Rubia heavy duty engine oil range is formulated to optimize engine performance, even under extreme operating conditions. You can expect increased durability, extended drain intervals, less overall wear, and reduced costs with fuel efficiency.



Why Should You Choose Rubia FE Engine Oils?

TotalEnergies has been developing FE products for over 20 years and a third of TotalEnergies engine oils sold worldwide is formulated with FE technology. Working in close cooperation with OEMs, our Rubia range is fully approved for use in their engines to obtain FE goals. With a wide range of FE solutions, Rubia has an oil for every application, including engines gearboxes and axles.

Our FE lubricants are tested on actual fleets operating in real-world conditions, and certified by independent testing organizations such as TÜV Rheinland, UTAC, and Millbrook.

Personalized Support and Services

TotalEnergies delivers personalized support through an extensive range of services including product recommendations, on-site technical assistance, lubrication audits, and Total Check, an in-service oil analysis. Additionally, we offer robust and flexible marketing programs focused on supporting the growth and profitability of our customers.



FULL SYNTHETIC ENGINE OILS

PRODUCT	API	ACEA	ADVANTAGES	SPECIFICATIONS/APPROVALS
RUBIA OPTIMA 1500 5W-40	CK-4/SN CJ-4 CI-4 PLUS CI-4 CH-4	E9/E7	<ul style="list-style-type: none"> Formulated with LOW-SAPs technology Excellent shear stability Improved oxidation stability Exceptional aeration control Exceptional detergent, dispersant, and anti-wear additives Exceptional technical performance 	<ul style="list-style-type: none"> Mack EOS-4.5* Volvo VDs-4.5* Renault Trucks RLD-3* Ford WSS-M2C171-F1* Detroit Diesel DFS 93K222* Cummins CES 20086* MB-approval 228.31*

*Meets the requirements

CONVENTIONAL ENGINE OILS

PRODUCT	API	ACEA	ADVANTAGES	SPECIFICATIONS/APPROVALS
RUBIA OPTIMA 1100 15W-40	CK-4/SN CJ-4 CI-4 PLUS CI-4 CH-4 SN	E9/E7	<ul style="list-style-type: none"> Formulated with LOW-SAPs technology Excellent shear stability Improved oxidation stability Exceptional aeration control Exceptional detergent, dispersant, and anti-wear additives 	<ul style="list-style-type: none"> Mack EOS-4.5 Volvo VDs-4.5 Renault Trucks RLD-3 Ford WSS-M2C171-F1 Detroit Diesel DFS 93K222 Cummins CES 20086 MB-approval 228.31

*Meets the requirements

SEMI-SYNTHETIC ENGINE OILS

PRODUCT	API	ACEA	ADVANTAGES	SPECIFICATIONS/APPROVALS
RUBIA OPTIMA 1300 15W-40	CK-4/SN CJ-4 CI-4 PLUS CI-4 CH-4	E9/E7	<ul style="list-style-type: none"> Formulated with LOW-SAPs technology Excellent shear stability Improved oxidation stability Exceptional aeration control Exceptional detergent, dispersant, and anti-wear additives 	<ul style="list-style-type: none"> Mack EOS-4.5 Volvo VDs-4.5 Renault Trucks RLD-3 Detroit Diesel DFS 93K222 Cummins CES 20086 MB-approval 228.31 Ford WSS-M2C171-F1* DAF* VECO*
RUBIA OPTIMA 1100 FE 10W-30	CK-4/SN CJ-4 CI-4 PLUS CI-4 CH-4	E9-16 E7	<ul style="list-style-type: none"> Formulated with LOW-SAPs technology Excellent shear stability Improved oxidation stability Exceptional aeration control Exceptional detergent, dispersant, and anti-wear additives Save up to 1% fuel consumption with FE technology 	<ul style="list-style-type: none"> Mack EOS-4.5 Volvo VDs-4.5 Renault Trucks RLD-3 Ford WSS-M2C171-F1 Detroit Diesel DFS 93K222 Cummins CES 20086 MB-approval 228.31
OPTIMA 2100 XFE 10W-30	FA-4	—	<ul style="list-style-type: none"> Formulated with LOW-SAPS technology providing better protection to engines with particulate filters (DPF) Similar performance to a CK-4 engine oil, but with a High Temperature High Shear (HTHS) low temperature viscosity allowing for improved Fuel Economy Excellent shear stability Improved oxidation stability Exceptional aeration control Additional fuel economy benefits Exceptional technical performance 	<ul style="list-style-type: none"> Cummins CES 20087 Detroit Diesel DFS 93K223 Ford WSS-M2C214-B1*

*Meets the requirements

NATURAL GAS ENGINE OILS

PRODUCT	API	ACEA	ADVANTAGES	SPECIFICATIONS/APPROVALS
RUBIA GAS 9M FE 10W-30	CK-4/SN	E9	<ul style="list-style-type: none"> Excellent thermal stability Low ash content Excellent viscosity stability in service Multi-Fuel 	<ul style="list-style-type: none"> Detroit Diesel DFS 93K222 Cummins CES 20086 Cummins CES 20085 (backwards compatible) Cummins CES 20092 Mack EOS-4.5 Volvo VDS-4.5 Renault Trucks RLD-3 MB-228.31*
RUBIA GAS 9M 15W-40	CK-4/SN	E9	<ul style="list-style-type: none"> Excellent thermal stability Low ash content Excellent viscosity stability in service Ideal product for mixed fleets Multi-Fuel 	<ul style="list-style-type: none"> Detroit Diesel DFS 93K222 Cummins CES 20086 Cummins CES 20085 (backwards compatible) Cummins CES 20092 Mack EOS-4.5 Volvo VDS-4.5 Renault Trucks RLD-3 MB-228.31*
RUBIA GAS 5M 15W-40	CK-4/SN	E9	<ul style="list-style-type: none"> Excellent thermal stability Low ash content For lean burn engines 	<ul style="list-style-type: none"> Cummins CES 20074

*Meets the requirements



How Does Rubia Optima 1100 FE Engine Oil Improve Fuel Consumption?

Fuel represents around 30% of a single truck's operating cost. Even small reductions in fuel consumption can significantly improve the bottom line for heavy duty fleet operators. Rubia improves fuel consumption by reducing the overall friction in the engine with a lower viscosity oil, delivering fuel efficiency gains.

What is Fuel Economy (FE) Retention?

FE retention is the oil's ability to retain its FE properties or credits over the oil drain interval. The Rubia Optima 1100 FE range is specially formulated to have better control of oxidation, volatility and soot-induced viscosity growth. This allows viscosity to be maintained over the oil's lifetime and retain FE credits. In turn, fuel savings are optimized when a Rubia Optima 1100 FE oil is used continuously.

FOR IMMEDIATE TECHNICAL SUPPORT
(800) 323-3198

Support Services You Can Count On



Total Check Oil Analysis/ANAC

Our diagnostic system is specially designed for road fleets, based on the scientific interpretation of used oil analysis data. This Total Check/ANAC Transport oil analysis kit allows fleet managers to reduce the overall cost of ownership of their vehicles.



ELUB Online Ordering

TotalEnergies Online Ordering Program is available 24/7 with a direct connection to the SAP High Security tool.



Product Training

Understanding the fleet product range is crucial. Product Technical Engineers are available to provide product training to all maintenance personnel.



Cross-Reference Chart

Product consolidation saves money and streamlines inventory for your fleet's lubricants. This chart provides the direct cross-over of your former product line to the TotalEnergies product range.



Tank Monitoring System

Our CSR Team can easily access tank level data in real time, improving both efficiency and productivity. This saves time and costs while ensuring that tanks are full and processes are running smoothly.



Equipment Program

This program enables you to acquire funds from Total for bulk oil dispensing equipment and repay the cost of the equipment through the purchases of bulk products.

ENGINE OILS

- RUBIA OPTIMA 2100 XFE 10W-30
- RUBIA OPTIMA 1500 5W-40
- RUBIA OPTIMA 1300 15W-40
- RUBIA OPTIMA 1100 FE 10W-30
- RUBIA OPTIMA 1100 15W-40
- RUBIA GAS 9M FE 10W-30
- RUBIA GAS 9M 15W-40
- RUBIA GAS 5M 15W-40

TRANSMISSION (MANUAL & AUTOMATIC)

- TRAXIUM GEAR 8 FE SAE 40
- FLUIDMATIC SYN T295
- FLUIDMATIC DIII MV
- FLUIDMATIC SYN NA

KING PIN & FIFTH WHEEL

- MULTIS COMPLEX EP2
- MULTIS COMPLEX HV2
- MULTIS COMPLEX HV2 MOLY
- MULTIS COMPLEX ET2 MOLY

DIFFERENTIAL & AXLE

- TRANSTEC 5 75W-90
- TRANSTEC 5 80W-90
- TRANSTEC 5 85W-140
- TRAXIUM GEAR 9 FE 75W-80
- TRAXIUM DUAL 9 FE 75W-90

LANDING GEAR

- CERAN XM
- MULTIS COMPLEX

CLUTCH BEARINGS, GREASE POINTS, RODS/PINS & BEARINGS

- MULTIS EP
- MULTIS COMPLEX EP
- MULTIS COMPLEX HV2 MOLY
- MULTIS COMPLEX HV
- CERAN XM 220
- CERAN XM 220 MOLY

200+
APPROVALS
FROM
HEAVY VEHICLE MANUFACTURERS*

*For Rubia range in its entirety

