

ExxonMobil Synthetic base stocks

Empowering lower GHG emission solutions, together

INNOVATING
products with
sustainability benefits

ADVANCING
climate solutions
across the value chain

BUILDING
sustainability into
major facilities

We provide solutions that support the lowering of GHG emissions* in the transportation and industrial sectors.

*Benefit compared to conventional petroleum-based VLSFO, calculated on an energy basis. Well-to-wake CO2 emissions reduction calculated using Directive 2009/30/EC of the European Parliament and of the Council Annex IV C. 1 and MEPC 66/21 Annex

Learn more! Visit our website by scanning the QR code >



Empowering the world's lower carbon ambitions through energy efficient, durable lubricant solutions

How can we help? By supplying base stocks and formulating finished lubricants that can help improve fuel economy, offer the potential for enhanced energy efficiency and improved durability. Our products can lubricate renewable energy assets, manufacturing facilities and support mobility electrification. This means potential enhanced efficiency, reduced power consumption and reduced GHG emission benefits that can be incorporated into your product solutions, such as extending vehicle range, increasing energy efficiency, and improving oxidative stability for long drain intervals.

Synthetic base stocks can be leveraged in a wide range of applications from transportation to heavy industries, where their intrinsic performance attributes can **deliver potential sustainability** related benefits* along the value chain.



ICE and EV cars & trucks



Aviation



Mining



Gears



Wind turbines

Lubricant features & benefits

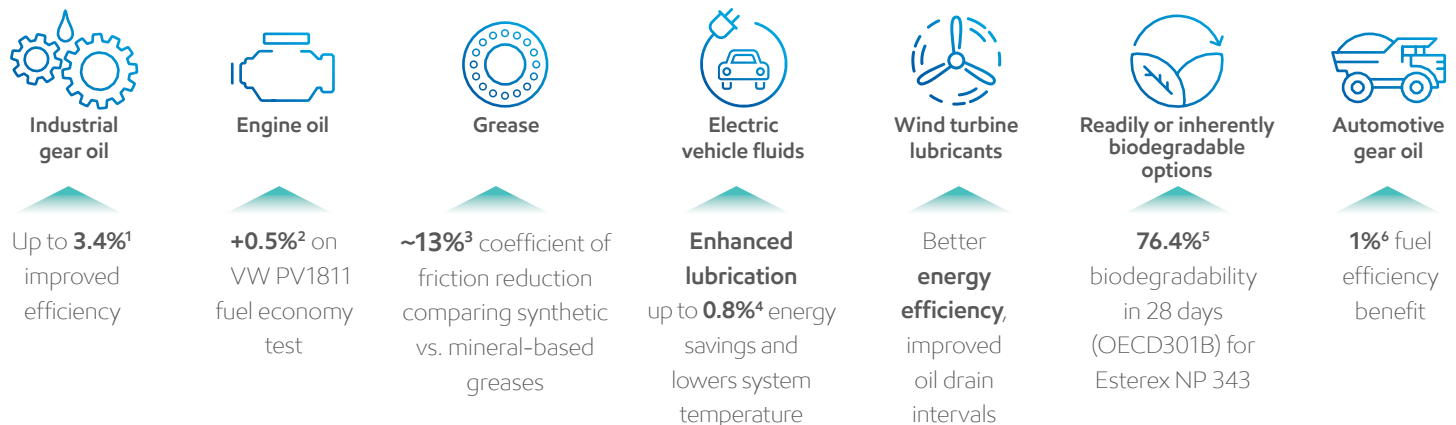
Excellent low temperature performance	Enhanced frictional behavior
Superior oxidative stability	Low volatility
Very good corrosion control	Extreme wear protection
Outstanding electrical properties and thermal transfer	Controlled molecular structure

*Potential sustainability benefits

Improving energy efficiency	Enhanced equipment protection for reduced downtime and extended life
Extended oil drain intervals for lower lubricant consumption and less waste	Better biodegradability for specific applications

Performance

We can collaborate with you to provide insights on how **Synthetic base stocks performance characteristics** can help enable the formulation of more efficient and durable finished lubricants in a wide range of applications.



¹Efficiency determined using a proprietary worm gear rig, comparing this synthetic gear oil to a commercially available mineral oil of the same viscosity. Efficiency improvements will vary based on operating conditions and application.

²0.5% fuel economy improvement reported comparing PV1811 results obtained on OW-20 candidates blended with Grp III+ base stock vs. a candidate containing 25% LVLV novel PAO and the balance being the same Grp III+ used in the comparative candidate

³CoF measurements based on ASTM D5707 method run on ISO VG 460 NLGI #1 grease candidates prepared with either mineral base stock or with PAO

⁴Based on WLTC efficiency gains vs. GR III reference fluid @ -7°C

⁵Single sample or two sample average determination

⁶Fuel efficiency of 75W-85 grade synthetic-based gear fluid measured in field test compared to 80W-90 grade commercially available reference fluid

© 2025 Exxon Mobil Corporation has numerous affiliates, many with names that include ExxonMobil, Exxon, Mobil, Esso, and XTO. For convenience and simplicity, those terms and terms such as Corporation, company, our, we, and its are sometimes used as abbreviated references to specific affiliates or affiliate groups. Abbreviated references describing global or regional operational organizations, and global or regional business lines are also sometimes used for convenience and simplicity. Nothing contained herein is intended to override the corporate separateness of affiliated companies. This presentation includes forward-looking statements. Actual future results, including project plans, schedules, capacities, production rates, scaling and expanding current research, the impacts of new technologies, and the creation of new sources of supply for industrial processes could differ materially due to: changes in market conditions; political or regulatory developments including obtaining necessary regulatory permits; restrictions in trade, travel or broader government responses to first or subsequent waves of COVID-19; further research and testing of performance measures; technical or operating factors; the outcome of commercial negotiations; unexpected technological breakthroughs or challenges; and other factors cited under the caption "Factors Affecting Future Results" on the Investors page of our website at exxonmobil.com and under Item 1A. Risk Factors in our annual report on Form 10-K and quarterly reports on Form 10-Q. This material is not to be reproduced without the permission of Exxon Mobil Corporation.

To see our full product line, visit: exxonmobilchemical.com/synthetics

