

SYNATIVE® EEB 45 The new Energy Efficiency Booster

When **sustainability** matters - BASF Lubricant Components make the difference. Across all industries, CO₂ reduction targets form an essential pillar of corporate business goals. Lubricants are recognized as a major contributor for improved **energy and fuel efficiency**. Therefore, BASF is offering a unique Energy Efficiency Booster for a step change in performance and compatibility: **SYNATIVE® EEB 45**



SYNATIVE® EEB 45

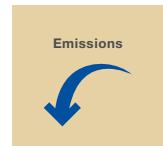
Makes the difference

Customer benefits

- Energy savings due to low-friction performance
- Emission reduction due to fuel efficiency during use-phase
- Compatibility with mineral oils, PAOs, esters and naphthenic oils
- Exceptionally high viscosity index
- Boosting dielectric properties (i.e. e-mobility fluids)
- Potential to upgrade Group II/III formulations to top performance



Energy



Emissions



Durability

Unique approach using a hybrid chemical structure

To achieve a step change in energy efficiency, BASF is offering a novel technology based on a unique polyether-based hybrid structure. Parts of the molecular structure contribute to outstanding low friction behavior and reduced wear, while other parts help to achieve compatibility with hydrocarbon oils and enable a high viscosity index.

Low friction can significantly contribute to improved driving range of e-vehicles. Combined with enhanced insulating properties (i.e. high breakthrough voltage) and water tolerance, **SYNATIVE® EEB 45** can boost the performance of lubricants used in e-vehicles.



Performance highlights

The outstanding friction performance of **SYNATIVE® EEB 45** enables a boost in energy efficiency even at lower treat rates, both in automotive and industrial lubricants, e.g.:

- Automotive driveline fluids
- Compressor lubricants
- Gear oils
- Greases



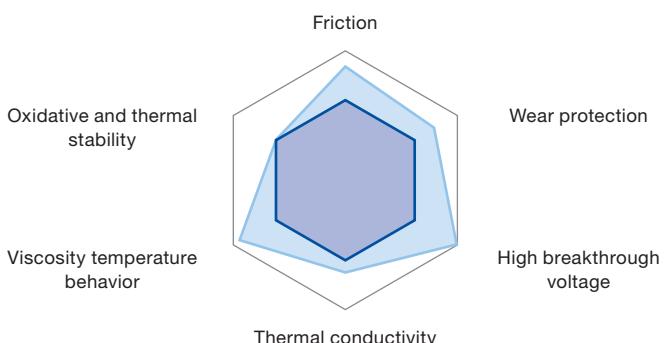
Get in contact
with us

The descriptions, designs, data and information contained herein are presented in good faith and are based on BASF's current knowledge and experience. They are provided for guidance only, and do not constitute the agreed contractual quality of the product or a part of BASF's terms and conditions of sale. Because many factors may affect processing or application/use of the product, BASF recommends that the reader carry out its own investigations and tests to determine the suitability of a product for its particular purpose prior to use. It is the responsibility of the recipient of product to ensure that any proprietary rights and existing laws and legislation are observed. No warranties of any kind, either expressed or implied, including, but not limited to, warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth herein, or that the products, descriptions, designs, data or information may be used without infringing the intellectual property rights of others. Any descriptions, designs, data and information given in this publication may change without prior information. The descriptions, designs, data, and information furnished by BASF hereunder are given gratis and BASF assumes no obligation or liability for the descriptions, designs, data or information given or results obtained, all such being given and accepted at the reader's risk.

08/2025

OPPLA2411EN © = reg. trademark of BASF SE

SYNATIVE® EEB 45 Boosting performance of e-fluids



■ Group III formulation with EEB 45 ■ Group III formulation w/o EEB 45

SYNATIVE® EEB 45 Product properties

Viscosity @ 40 °C (mm² / s)	336
Viscosity @ 100 °C (mm² / s)	45
Viscosity index	194
Flash point (°C)	> 230
Density 15 °C (g·cm⁻³)	0.93
Shear stability, KRL 100 h (% KV100 loss)	< 1

