



Accelerate Product Innovation for Lubricants & Greases: From Months to Minutes



Practical AI for Complex Chemistry & Formulation Challenges

Traditional development of specialty lubricants and greases is slow, costly, and difficult to scale.

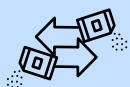
NobleAI delivers practical AI that helps R&D and product development teams move faster and make confident decisions. Our technology supports new product innovation and formulation customization across all lubricant sectors, including industrial and food-grade applications. Our Science-Based AI models, delivered on the VIP Platform, combine scientific principles with data to guide industrial development and innovation with clarity and precision.

- + Optimize formulations for durability, efficiency, cost, and supply chain resilience.
- + Accurately predict performance under extrapolated conditions.
- + Accelerate the application of new base oils, thickeners, and additive chemistries.
- + Balance product performance with environmental targets & sustainability goals.
- + Customize and fine-tune formulations for diverse customer applications.
- + Reduce development cycles and testing costs through predictive modeling.

Use Cases for Lubricants and Greases



Formulation
Customization



Additive
Replacement



Sourcing & Cost
Optimization



Resource
Efficiency



Performance
Tuning

...

Many
More

About NobleAI

NobleAI's practical AI is purpose-built for challenges in chemistry, materials science, and energy.

Trusted by global enterprises, NobleAI supports diverse use cases across chemicals, lubricants, greases, and energy. Our proven approach is helping teams innovate faster and lower costs, while developing the next generation of high-performance products.





VIP (Visualizations, Insights & Predictions) Platform



Deploy Your Own Models (DYOM)

Run your existing models to accelerate insights, reduce bottlenecks, and enable collaboration.



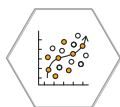
Model Builder for Formulations (MBFF)

Build and train your own SBAI models. No coding or data science expertise needed.



Inverse Designs With Parameter Sweeps

Identify the optimal results based on multiple, predefined goals and constraints.



Forward Prediction With Parameter Sweeps

Generate formulation predictions and run unlimited experiments in software with parameter sweeps.



Dynamic Visualization

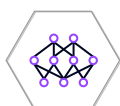
Visualize and analyze data using customizable data, graphs, and tables.



Deep Insights

Understand predictions through uncertainty, confidence, probability, and feature impacts.

Science-Based AI Models



Ensemble Model Architecture

SBAI Models are built from multiple individually trained model elements.



Customized Solution

SBAI models are structured, created and optimized for each specific use case.



Multi-Science, Multi-Scale

SBAI can incorporate any physical law, chemical property, scientific principle or constraint.



Data Efficiency and Privacy

SBAI models don't need to learn scientific principles from data and are inherently private.



Want to learn more? Let's talk.
contact@noble.ai

www.noble.ai

