



2024 ELGI AGM Best Paper Award

34th ELGI AGM

April 2024

Madrid Spain

ELGI Awards Committee unanimously selected the Paper & Presentation:

Can Calcium Limit Lithium reLIance

For the 2024 Best Paper Award

presented by

Johan Leckner

Axel Christiernsson

Sweden

All the presentations were evaluated on several criteria that covered

- Content of the Paper
- Quality of the Presentation
- Embodied the Spirit of Originality & Technological Innovations

On behalf of this committee and the ELGI board we would like congratulate Johan Leckner on this important and worthy achievement.



Author: Johan Leckner
Axel Christiernsson International
Co-Author: Johanna Larsson

Johan has an MS and PhD in chemical engineering from Chalmers University of Technology in Gothenburg, Sweden. He worked for six years as a researcher, first at the Pasteur Institute in Paris and then at Chalmers University of Technology. In 2009 he joined Axel Christiernsson International as Senior Development engineer and since 2016 he is working as Group Technical Manager. Since 2021, Johan is also part-time Professor in Lubricant Design at KTH Royal Institute of Technology in Stockholm.

Can Calcium Limit Lithium reLiance

The purpose of this paper is to conduct a technology comparison between lithium and anhydrous calcium thickeners. The study aims to increase our understanding of the performance of the base systems without influence of additive components. The outcome will highlight the differences and provide a deeper understanding of the baseline for lithium and anhydrous calcium grease.