

2008 Best Paper Award



Steve Nolan
Lubrizol
United Kingdom

Steve Nolan joined Lubrizol in 1989 from Ironsides Lubricants, an independent grease manufacturer in the UK where he spent 11 years in technical support. At Lubrizol Steve has worked on hydraulic and gear oil projects, but now primarily works on grease-related issues. He holds a US patent for a filterability improver, and has given papers on grease technology at ELGI and NLGI conferences. Steve gained a BSc in Applied Chemistry in 1993 at Derby University, and an MSc in Lubricants and Hydraulic Technology in 2003 at De Montfort University, Leicester, both in the UK. Steve is chair of the ST-C-6 physico-chemical grease tests panel of the Energy Institute, (Institute of Petroleum), and is actively involved in TMWG meetings at the ELGI.

The main objective of the ELGI Rheology Working Group (a sub-group of the Test Methods Working Group) was to evaluate the applicability of rheological techniques to grease testing. A key area of concern for those participating was the measurement of the low temperature flow properties of lubricating greases - especially those being used in centralised lubricating systems. This paper will describe the test work done on six fully-formulated lubricating grease samples used in low temperature applications, showing how low temperature rheology tests can be used to compliment existing test methods, with examples of how the test can be used to determine the effect of various polymeric additives in modifying the low temperature rheology profiles for product development purposes.

The ELGI Best Paper Award committee is pleased to announce that this year's award for the best paper will be presented to Mr. Steve Nolan from Lubrizol United Kingdom his paper on "Evaluation of low temperature rheological properties of lubricating greases for centralised systems".

All the presentations were carefully considered and judged on selected criteria that resulted in an overall mark worthy of this potential achievement. These criteria included paper content, originality, technical value, benefit to lubricant industry, impact as a problem solver in the field, financial impact in industry, presentation skills and enthusiasm, subject knowledge, quality of presentation slides and handling of questions and answers.

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

Lennart Hamnelid
Chairman review committee