

Special Issue

Development of Sustainable Lubricating Greases

Message from the Guest Editors

Lubricant greases have a diverse range of practical applications. There is a significant focus nowadays on replacing finite and environmentally harmful resources. This also applies to lubricants, hence the development of lubricating greases. Lubricating greases consist of a base oil and a solid (called a thickener). In the past, efforts have been made to replace lubricating oils with bio-oils and the solid with biogenic material. Rheological behavior, thermal analysis, microstructural characterization, and, of course, friction and wear behavior are the focus of these investigations. There have already been promising developments in this direction. In addition to the behavior of a lubricated friction pair, the behavior of the lubricant is also important. In particular, structural degradation should be considered. We would like to encourage researchers to present their research results to the readership in the context of this Special Issue. This Special Issue serves to highlight new developments in the area of the development of sustainable lubricating greases. Both review papers and original research articles are welcome.

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