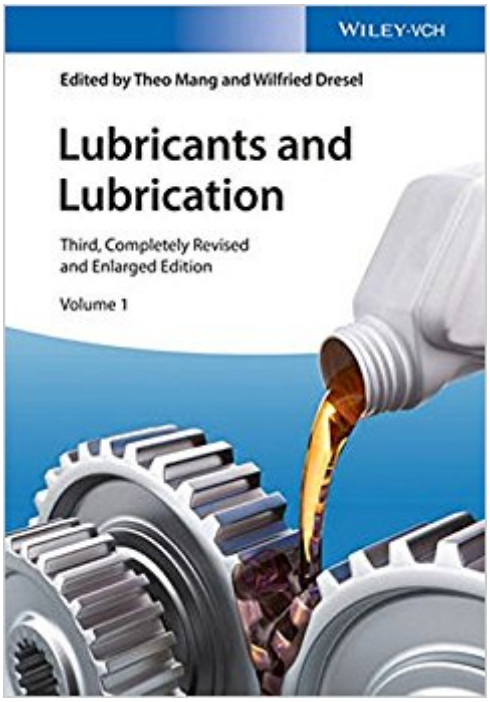
Lubricants And Lubrication, 2 Volume Set



Synopsis

Praise for the previous edition: Ã¢â ¬Å“Contains something for everyone involved in lubricant technologyÃ¢â ¬Â• Ã¢â ¬â • Chemistry & Industry This completely revised third edition incorporates the latest data available and reflects the knowledge of one of the largest companies active in the business. The authors take into account the interdisciplinary character of the field, considering aspects of engineering, materials science, chemistry, health and safety. The result is a volume providing chemists and engineers with a clear interdisciplinary introduction and guide to all major lubricant applications, focusing not only on the various products but also on specific application engineering criteria. A classic reference work, completely revised and updated (approximately 35% new material) focusing on sustainability and the latest developments, technologies and processes of this multi billion dollar business Provides chemists and engineers with a clear interdisciplinary introduction and guide to all major lubricant applications, looking not only at the various products but also at specific application engineering criteria All chapters are updated in terms of environmental and operational safety. New guidelines, such as REACH, recycling alternatives and biodegradable base oils are introduced Discusses the integration of micro- and nano-tribology and lubrication systems Reflects the knowledge of Fuchs Petrolub SE, one of the largest companies active in the lubrication business 2 Volumes
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Customer Reviews

"contains something for everyone involved in lubricant technology" Chemistry & Industry "Overall, there is a wealth of information in this volume, which will undoubtedly be a valuable addition to the bookshelves of anyone working in this area." Chemistry & Industry

This completely revised third edition incorporates the latest data available and reflects the knowledge of one of the largest companies active in the business. The authors take into account the interdisciplinary character of the field, considering aspects of engineering, materials science, chemistry, health and safety. The result is a two-volume set providing chemists and engineers with a clear interdisciplinary introduction and guide to all major lubricant applications, focusing not only on the various products but also on specific application engineering criteria. Theo Mang recently retired from his long term position at Fuchs, Germany, and is still active in the field. He obtained his diploma for mining engineering and his PhD in chemical engineering from the University of Clausthal, Germany. In 1967 he joined Fuchs in Mannheim, Germany, becoming head of the technical department in 1980 and a member of the Executive Board of the global Fuchs Group from 1983 until 2001. Professor Mang is recipient of the Georg Vogelpohl Medal, highest award of the German Society of Tribology. Furthermore, he authored more than 80 scientific publications on the topic of lubrication. In 2013, he was honored with the Federal Cross of Merit by the German Federal President Joachim Gauck for the successful research and development, his cultural activities and generally for his lifework. Wilfried Dresel is responsible for the development of lubricating greases at Fuchs, Germany. He received his diploma in chemistry 1972 at the University of Karlsruhe, Germany, and was awarded his doctorate 1976 in carbosilane chemistry. His industrial career began 1977 in the field of preparative organic and pharmaceutical chemistry. From 1979 to 1983 he worked for a small company on lubricants for fine mechanical instruments and then went on to join Fuchs. Professor Dresel has authored 35 scientific papers and a number of contributions to books.

Tribology, Volume II: Theory and Design, Second Edition CRC Handbook of Lubrication (Theory and Practice of Tribiology), Volume I: Application and Maintenance CRC Handbook of Lubrication: Theory and Practice of Tribology, Volume II: Theory and Design Hydrodynamic Lubrication, Volume 33: Bearings and Thrust Bearings (Tribology and Interface Engineering) Heat, Bearings, and Lubrication: Engineering Analysis of Thermally Coupled Shear Flows and Elastic Solid Boundaries Applied Tribology: Bearing Design and Lubrication Bearings and Lubrication: A Mechanical Designers Workbook (Mcgraw-Hill Mechanical Designers Workbook Series) New Directions in Lubrication, Materials, Wear, and Surface Interactions: Tribology in the 80’s Tribology in Metalworking: Friction, Lubrication and Wear