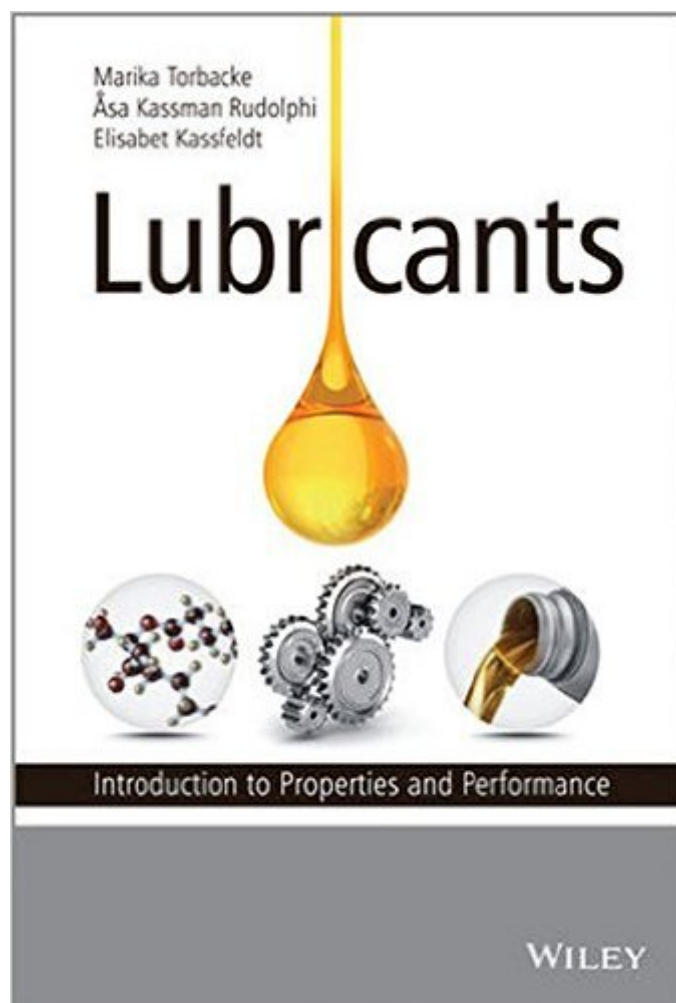


The book was found

Lubricants: Introduction To Properties And Performance



Synopsis

Those working with tribology often have a background in mechanical engineering, while people working with lubricant development have a chemistry/chemical engineering background. This means they have a tradition of approaching problems in different ways. Today's product development puts higher demands on timing and quality, requiring collaboration between people with different backgrounds. However, they can lack understanding of each other's challenges as well as a common language, and so this book aims to bridge the gap between these two areas. *Lubricants: Introduction to Properties and Performance* provides an easy to understand overview of tribology and lubricant chemistry. The first part of the book is theoretical and provides an introduction to tribological contact, friction, wear and lubrication, as well as the basic concepts regarding properties and the most commonly made analyses on lubricants. Base fluids and their properties and common additives used in lubricants are also covered. The second part of the book is hands-on and introduces the reader to the actual formulations and the evaluation of their performance. Different applications and their corresponding lubricant formulations are considered and tribological test methods are discussed. Finally used oil characterisation and surface characterisation are covered which give the reader an introduction to different methods of characterising used oils and surfaces, respectively. Key features: Combines chemistry and tribology of lubricants into one unified approach Covers the fundamental theory, describing lubricant properties as well as base fluids and additives Contains practical information on the formulations of lubricants and evaluates their performance Considers applications of lubricants in hydraulics, gears and combustion engines *Lubricants: Introduction to Properties and Performance* is a comprehensive reference for industry practitioners (tribologists, lubricant technicians, and lubricant chemists, etc) and is also an excellent source of information for graduate and undergraduate students.

Book Information

Hardcover: 210 pages

Publisher: Wiley; 1 edition (May 12, 2014)

Language: English

ISBN-10: 1118799747

ISBN-13: 978-1118799741

Product Dimensions: 7 x 0.6 x 10 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars Â Â See all reviews Â (1 customer review)

Best Sellers Rank: #3,082,729 in Books (See Top 100 in Books) #47 in Â Books > Engineering & Transportation > Engineering > Mechanical > Tribology #1647 in Â Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Industrial Design #4345 in Â Books > Textbooks > Engineering > Mechanical Engineering

Customer Reviews

Highly recommend for anyone working in the Fuels and Lubricants Business. Contains updated materials, worth the purchase.

[Download to continue reading...](#)

Lubricants: Introduction to Properties and Performance Synthetic Lubricants and High-Performance Functional Fluids (Chemical Industries) Dental Materials: Properties and Manipulation, 9e (Dental Materials: Properties & Manipulation (Craig)) Chemistry and Technology of Lubricants Lubricants and Their Applications Lubricants and Lubrication Automotive Lubricants Reference Book Performance Anxiety Cure: How To Overcome Performance Anxiety And Stage Fright In All Aspects Of Life Forever (anxiety recovery, panic attacks, anxiety management, anxiety attacks) Butch Queens Up in Pumps: Gender, Performance, and Ballroom Culture in Detroit (Triangulations: Lesbian/Gay/Queer Theater/Drama/Performance) Queering Mestizaje: Transculturation and Performance (Triangulations: Lesbian/Gay/Queer Theater/Drama/Performance) Performance Dog Nutrition - Optimize Performance With Nutrition David Vizard's How to Build Max Performance Chevy Small Blocks on a Budget (Performance How-To) Low-Dimensional and Nanostructured Materials and Devices: Properties, Synthesis, Characterization, Modelling and Applications (NanoScience and Technology) Molybdenum and Its Compounds: Applications, Electrochemical Properties and Geological Implications (Chemistry Research and Applications) Nanostructures and Nanomaterials: Synthesis, Properties, and Applications (2nd Edition) (World Scientific Series in Nanoscience and Nanotechnology) Ceramic and Glass Materials: Structure, Properties and Processing Advances in Powder Metallurgy: Properties, Processing and Applications (Woodhead Publishing Series in Metals and Surface Engineering) Fatigue and Tribological Properties of Plastics and Elastomers, Second Edition (Plastics Design Library) Microstructure and Properties of Ductile Iron and Compacted Graphite Iron Castings: The Effects of Mold Sand/Metal Interface Phenomena (SpringerBriefs in Materials) The Art of Aromatherapy: The Healing and Beautifying Properties of the Essential Oils of Flowers and Herbs

[Dmca](#)