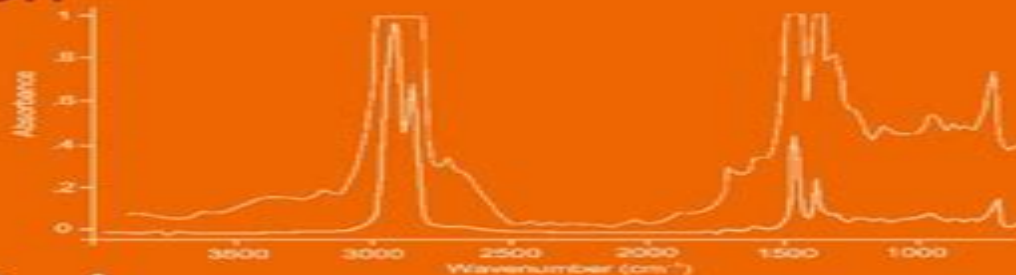


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# Chemistry and Technology of Lubricants

3rd Edition



 Springer

# Chemistry And Technology Of Lubricants

**Roy M. Mortier, Malcolm F. Fox, Stefan Orszulik**

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**Chemistry and Technology of Lubricants** R. M. Mortier, S. T. Orszulik, 2012-12-06 The use of lubricants began in ancient times and has developed into a major international business through the need to lubricate machines of increasing complexity The impetus for lubricant development has arisen from need so lubricating practice has preceded an understanding of the scientific principles This is not surprising as the scientific basis of the technology is by nature highly complex and interdisciplinary However we believe that the understanding of lubricant phenomena will continue to be developed at a molecular level to meet future challenges These challenges will include the control of emissions from internal combustion engines the reduction of friction and wear in machinery and continuing improvements to lubricant performance and life time More recently there has been an increased understanding of the chemical aspects of lubrication which has complemented the knowledge and understanding gained through studies dealing with physics and engineering This book aims to bring together this chemical information and present it in a practical way It is written by chemists who are authorities in the various specialisations within the lubricating industry and is intended to be of interest to chemists who may already be working in the lubricating industry or in academia and who are seeking a chemist's view of lubrication It will also be of benefit to engineers and technologists familiar with the industry who require a more fundamental understanding of lubricants

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