

**PITMAN'S TECHNICAL PRIMER SERIES;
LUBRICATION AND LUBRICANTS: A CONCISE
TREATISE ON THE THEORY AND PRACTICE OF
LUBRICATION; THE PHYSICAL, CHEMICAL,
AND MECHANICAL PROPERTIES AND
TESTING OF LIQUID AND SOLID LUBRICANTS**

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Pitman's Technical Primer Series; Lubrication and Lubricants: A Concise Treatise on the Theory and Practice of Lubrication; The Physical, Chemical, and Mechanical Properties and Testing of Liquid and Solid Lubricants by J. H. Hyde

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J. H. HYDE

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A CONCISE TREATISE ON THE THEORY AND
PRACTICE OF LUBRICATION;
THE PHYSICAL, CHEMICAL, AND MECHANICAL
PROPERTIES AND TESTING OF LIQUID AND
SOLID LUBRICANTS

WITH NOTES ON RECENT DEVELOPMENTS AND
EXAMPLES FROM PRACTICE

FOR ENGINEERS, CHEMISTS, AND STUDENTS

BY

J. H. HYDE

A.M.INST.C.E., A.M.I.MECH.E., M.I.A.E.



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PREFACE

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WHILST the subject of Lubrication and Lubricants cannot be dealt with exhaustively in a small book, there is undoubtedly a demand for a compact work for the use of engineers and chemists, and of engineering students in particular, which will indicate the present state of knowledge on the subject, the experimental and other work by which it has been obtained, and the efforts which are being made to increase it.

At the present time, very considerable attention is being given to the study of lubrication generally, not only by oil chemists and engineers, but also by workers in the field of "pure science."

In the following pages, endeavour has been made to present the subject to the student in as simple a manner as possible, consistent with the assumption of a general knowledge of engineering terms in common use, and to indicate to him, broadly, the course which his studies should pursue.

The best thanks of the author are due to Mr. T. Rooney for his suggestions in connection with the chapter on "Chemical Tests."

J. H. HYDE.

TEDDINGTON,
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