

SYMPOSIUM ON INDUSTRIAL GEAR LUBRICANTS

PRESENTED AT A MEETING OF TECHNICAL COMMITTEE B
OF COMMITTEE D-2 ON PETROLEUM PRODUCTS AND LUBRICANTS
AMERICAN SOCIETY FOR TESTING MATERIALS
June 22, 1948, Detroit, Mich.



Reg. U. S. Pat. Off.

Technical Publication No. 88

Published by the AMERICAN SOCIETY FOR TESTING MATERIALS 1916 Race St., Philadelphia 3, Pa. The Society is not responsible, as a body, for the statements and opinions advanced in this publication.

COPYRIGHT, 1949
BY THE
AMERICAN SOCIETY FOR TESTING MATERIALS

CONTENTS

Heavy Duty Gear Oils-E. M. Kipp, I. S. Kolarik, and C. A. Zeiler	PAGE 1
Discussion	3
Gear Lubricants Used in Steel Plants—John F. Pelly	4
Discussion	9
Gear Set Servicing by the Cathode Ray Oscilloscope—A. R. Purdy and J. H. Goffe .	11
Discussion	19

FOREWORD

The papers and discussion in this Symposium on Industrial Gear Oils were presented at a meeting of Technical Committee B on Lubricating Oils, of A.S.T.M. Committee D-2 on Petroleum Products and Lubricants, held in Detroit, Mich., on June 22, 1948.

This Symposium was sponsored by Section U-III on Industrial Gear Oils, of Technical Committee B, and was arranged by a special symposium committee consisting of:

- G. L. Sumner, Chairman, Westinghouse Electric Corp.
- E. M. Kipp, Aluminum Company of America
- W. A. Wright, Sun Oil Co.

The Symposium was introduced by Mr. Sumner who stated that the papers cover studies of various field problems encountered in the lubrication of industrial gears. He also explained that the information, experiences, and data presented by the authors and discussors of the papers are intended to be used by the committee as a guide in determining which properties of industrial gear lubricants should be investigated for standardization of test methods, establishment of nomenclature and definitions, and preparation of specifications.

The session at which the Symposium was presented was presided over by A. O. Willey, Lubri-Zol Corp.

