FIIM STUDY GROUP

SUBJECT INDEX AND REPORT

T.O.M. REEL NO. 79

Prepared by

PHILLIPS PETROLEUM COMPANY

PHILLIPS PETROLEUM CO.
RESEARCH DEPT.
BARTLESVILLE, OKLA.

Report 567-46

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Technical Oil Mission Microfilm Reel No. 79

Articles translated will carry "TR" before their frame number(s), and those abstracted will have their frame number(s) preceded by the letter "A". Articles listed by title only will carry no letter preceding the frame number(s).

PHILLIPS PETROLEUM COMPANY

RESEARCH DEPARTMENT

BARTLESVILLE, OKLAHOMA

REPORT ON

UNITED STATES TECHNICAL OIL MISSION MICROFILM REEL 79

Compiled and Edited

by

Technical Information Section

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SUMMARY

This report on United States Technical Oil Mission Microfilm Reel No. 79 is a part of the American Petroleum Institute - Technical Oil Mission program devoted to the indexing, abstracting, and translation of the German literature collected by the Technical Oil Mission. Its distribution outside Phillips Petroleum Company includes all companies participating in the program and the Library of Congress. From the Library of Congress, photostat or microfilm duplication is available to anyone making a request.

The more important items in this reel are concerned with the methods employed in the determination of physical constants of hydrocarbons, the synthesis of high molecular weight hydrocarbons, and engineering problems relative to the testing and manufacture of synthetic lube oils.

Albert E. Miller, Chairman
API-TOM Study Group

EDITOR'S NOTE

All microfilm frames abstracted or translated are in numerical sequence except for those presenting periodic reports on the "Constitution of Lube Oils".

This material is grouped under five main headings.

Synthesis of pure hydrocarbons for lube oils ----------beginning with Frame 2811

Apparatus for the determination of viscosity at temperatures up to about 300°C----------beginning with Frame 2813

Method for measuring the oxidation resistance, corrosion resistance, and spreading over metal surfaces (for lube oils)----------beginning with Frame 2816

Chromatography of mineral oils----------beginning with Frame 2854

Investigations and analytical methods concerned with synthetic lube oils----------beginning with Frame 2889