

INTERNATIONAL STANDARD

**ISO
5662**

Second edition
1997-04-01

Petroleum products — Electrical insulating oils — Detection of corrosive sulfur

*Produits pétroliers — Huiles d'isolation électrique — Détection du soufre
corrosif*



Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 5662 was prepared by Technical Committee ISO/TC 28, *Petroleum products and lubricants*.

This second edition cancels and replaces the first edition (ISO 5662:1978), which has been technically revised.

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Introduction

Mineral insulating oils may contain substances that cause corrosion under certain conditions of use. The test method specified in this International Standard is designed to detect unacceptable quantities of free sulfur and corrosive sulfur compounds.

In most of their uses, insulating oils are continually in contact with metals that are subject to corrosion. Since the presence of detrimental corrosive sulfur compounds will result in deterioration of these metals to an extent dependent upon the quantity and type of corrosive agent and the time and temperature factors, the detection of these undesirable impurities, even though not in quantitative terms, is a means for recognizing the hazard involved.