
**Petroleum and related products —
Determination of the extreme-
pressure and anti-wear properties
of lubricants — Four-ball method
(European conditions)**

*Pétrole et produits connexes — Détermination des propriétés extrême
pression et anti-usure des lubrifiants — Essai quatre billes (conditions
Européennes)*

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Foreword

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This document was prepared by Technical Committee ISO/TC 28, *Petroleum and related products, fuels and lubricants from natural or synthetic sources*.

This second edition cancels and replaces the first edition (ISO 20623:2003), which has been technically revised.

The main changes compared to the previous edition are as follows:

- this document has been extended to all types of liquid lubricants and greases, whereas previously it applied only to fire-resistant hydraulic fluids;
- the procedures have been technically revised but the essentials remain the same;
- the test balls have been better specified (see [Annex A](#)) and calculations for the wear test have been included;
- the calibration procedure of the friction recorder springs has been deleted and reference is now made to the manufacturer's instructions.