

**ISO/FDIS 12921:2023(E)**

ISO/TC 28

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**Petroleum products and lubricants — Determination of the mechanical stability of greases in presence of water**

*Produits pétroliers et lubrifiants — Détermination de la stabilité mécanique des graisses en présence d'eau*

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

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## Introduction

Numerous standards exist to evaluate the influence of water on grease properties. These standards are described in Annex A.

The purpose of this document is to describe a method for the evaluation of the effect of water on the working stability of a grease, by comparing the penetrations of the grease worked without water and the grease worked in presence of water. This allows to predict the mechanical behaviour of the grease, the risk of leakages due to excessive softening, the risk of lubricating properties losses by excessive hardening or complete solubilization.

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