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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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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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