

Testing of lubricants and related products - Determination of water separation capacity after steam treatment

Testing of lubricating oils and flame-retardant liquids

Scope

This standard applies to lubricating oils up to a viscosity class not exceeding ISO VG 100 and a density at 15 °C not exceeding 0,900 g/cm³ (method A) and to HFD liquids up to a viscosity class ISO VG 46 and a density at 15 °C exceeding 1 g/cm³ (method B) which may come into contact with water vapour and hot condensation water and are intended to separate quickly from the water.

Brief description

In a cylindrical vessel, the sample to be investigated is emulsified by a uniform stream of water vapour, which is generated in a steam generator and measured after condensation in a downstream measuring cylinder. The settling time of the aqueous phase (method A) or the separation time of the two phases (method B) is then determined.

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