

Petroleum products - Greases

Determination of the dropping point

Scope

In general, the dropping point of a grease is the temperature at which the grease changes from a semi-solid (plastic) to a liquid state under the conditions of this test. This phase transition is typical for greases containing conventional soaps as thickeners. Lubricating greases containing substances other than thickeners instead of conventional soaps may cause oil separation without phase transition.

The results of the dropping point test may be considered as evidence of the highest temperature to which a grease may be subjected without complete liquefaction or excessive oil separation, as evidence of the nature of the grease, and to establish the limits of this property for manufacture or quality control.

Brief description

A partial sample is continuously heated in a special test vessel until the grease has become liquid enough to flow through a test port.



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