METHOD OF DETERMINING THE SEDIMENTATION TENDENCY OF LUBRICATING OILS

by

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UNEDITED ROUGH DRAFT TRANSLATION

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## Transliterated Title
SPROBNIJ OPREDENIJA NAGARNOSTI SMAZOCHNYKH MASEL

## English Title
DETERMINING THE SEDIMENTATION TENDENCY OF LUBRICATING OILS

## Source
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## Abstract
A method of determining the tendency of lubricating oils to leave a deposit which has the distinguishing feature that a batch of the tested oil is put into a crucible which is then put into a lacquer maker heated up to 400°C and kept at this temperature until the giving off of the volatile components of the oil has stopped, after which the crucible is cooled and the amount of sooty residue is weighed. (English Translation: 2 pages.)
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At the present time the tendency of lubricating oils to form soot or sediment is judged by their coking qualities. The direct determination of this tendency of oils is proposed for the first time.

A crucible with a weighed portion of 0.2 g of oil to be tested is placed in a lacquer maker at the temperature of 350 to 500°C. After the stopping of the evaporating of the oil the crucible is kept at the given temperature until the complete discontinuance of the separation of the volatile components of the oil. Then the crucible is covered with a lid, taken from the disk, and cooled to room temperature, and then weighed. The amount of sediment is expressed in percent of the batch of tested oil.

Object of the Invention

A method of determining the tendency of lubricating oils to leave a deposit which has the distinguishing feature that a batch of the tested oil is put into a crucible which is then put into a lacquer maker heated up to from 350 to 500°C and kept at this temperature until the giving off of the volatile components of the oil has
stopped, after which the crucible is cooled and the amount of sooty residue is weighed.