

KES

Measurement of Degree of
Contaminated Occupied Oil

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Additional Rule



1. Scope of application

This standard shall specify the test that evaluates degree of contaminated occupied oil (Oil pressured engine oil, etc.) using filter papers.

2. Device and reagent

- (1) Cylinder : Use the injector (10 ml in capacity) that has a device which is able to assemble a filter paper on the edge.
- (2) Filter Paper : Use a round filter paper that is able to equip with the injector.
- (3) Pincette
- (4) Microscope
- (5) Benzene or toluene: use 1 class reagents

3. Method

- (1) Assemble a filter paper at the device that can be mounted with it.
- (2) Take 2 ml reagent with the injector and take about 6ml benzene or toluene and then dilute them. Filter reagent through the filter paper assembled the injector device that is mounted with a filter paper.
- (3) After disassembling the device mounted filter paper, take 6ml benzene or toluene. And then clean and filter it through the device. Repeat 2 or 3 times this process.
- (4) Disassemble the filter paper from the device mounted filter paper and then dry it in the normal temperature. Calculate the number of particles and measure the size of particles by a microscope.

4. Report

Measure the size of particles and count the number of particles. And then report degree of contamination with regard to table 1.