KES

Test Method of Compatibility for Petroleum Products

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Contents

1. Scope of application

2. Summary of test method

3. Test Equipment and implement

4. Operation

5. Report

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1. Scope of application

This standard shall prescribe the test method of compatibility for petroleum products used for examining a existence of quality change by chemical change in case that mixing same types of petroleum products or different types of petroleum products.

2. Summary of test method

This method is estimating mixing stability of petroleum products after examining layer separation, deposit, etc. after mixing the prescribed quality of same types of petroleum products or different types of petroleum products, then heat it at prescribed temperature and time.

3. Test equipment and implement

(1) Thermostat

It is equipment for heating a sample, and use thermostat being able to preserve prescribed temperature ±1℃.

(2) Size of sample

Use a vessel of KS M 2021 (Test method for oxidation stability of grease for an internal combustion engine).

4. Operation

(1) Put extracting 200 ㎖ mixed equally sample 100 ㎖ and standard sample (1) 100 ㎖ into a clearly dried sample vessel, cover it with aluminum foil. As above, make 3 parts of same samples.

(2) Put 3 parts of sample into a thermostat preserving prescribed temperature 120±1℃.

(3) After preserving prescribed time at prescribed temperature, put it out of thermostat, then cool it down to room temperature.

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