KES

Analysis of Mineral Oil Brake Fluid

KES T – M045

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1. Scope of application

This standard shall decide the method of quantitative analysis to analyze content of mineral, mixed in used or new brake fluid.

2. Outline of test method

After removing water-soluble component of samples by putting the samples into saturated solution of salt, put 90 % methyl alcohol into a insoluble solute. And divide methyl alcohol into a soluble and insoluble solute.

Product the contained quantity by fixing the quantity of methyl alcohol's a insoluble solute in mass cylinder.

3. Instrument and reagent

(1) Separatory funnel : Capacity 200 mℓ

(2) Mass cylinder : Capacity 100 mℓ

(3) Mass flask : 100 mℓ (Refer to figure)

(4) Methyl alcohol

(5) Sodium chloride

4. Operation

(1) Take 50 mℓ of samples by mass cylinder dried clearly, after Making uniform by shaking samples. And put it into clear separatory funnel.

(2) Put sodium-chloride 150 mℓ into separatory funnel using mass cylinder. Mix them for 2 minutes strongly. And leave it alone for 30 minutes.

(3) After 30 minutes, remove lower part of solution of separatory funnel and put 100 mℓ of methyl alcohol into separatory funnel. Mix them for 2 minutes.

(4) Put 50 mℓ of distilled water into it and leave it alone for 1 hour.

(5) After 1 hour, divide them and remove lower part of solution using methyl alcohol part of

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