KES

Test Method for Aniline Point

KES T – L473A

(EST.) 1987 – 01 – 05
(REV.) 1992 – 06 – 12

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Quoted Standard

KIA MOTORS

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1. Scope of application

This standard shall specify measurement method of aniline point of oil product.

Remark Because the lower aniline point is, the more amount of aromatic series is, aniline point of hydrocarbon in rubber and oil products is the order of same molecular properties paraffin> naphthene> aromatic and aniline point raises according to increase of boiling point.

2. Purpose

This method shall be to test the amount of hydrocarbon of aromatic series during a test in the minimum temperature that given amount of aniline and sample are mixed.

3. Test method

3.1 Reagent

(1) Aniline

After dehydrating by putting KOH for reagent in aniline of special reagent, obtain the same solution by an incline method, remove the first and the final 10% each by distilling on the date that will be used, and use the remainder. When specified N-Heptane is tested using this analine, aniline point must be 69.9 °C ± 0.2 °C.

(2) Na_2SO_3

Use Na_2SO_3 for a reagent

(3) N-Heptane

This is the one passed the test of standard fuel for measurement of the octane number. After putting Na_2SO_3 and shaking at least for 2 minutes, remove a dehydrator completely and use it.

3.2 Preparation of samples

Dehydrate a sample by shaking with Na_2SO_3 or other suitable dehydrators (About 10%

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