KES

Power Steering Return Pressure Durability Test

KES T – I182

(EST.) 1989 – 03 – 30

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KIA MOTORS

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1. Scope of Application

It shall be applied for tag and pinion type power steering gear for passenger and commercial car.

2. Purpose

This test regulates the system and testing condition for return pressure durability test, which is a reliance test of power steering gear.

3. Evaluation Standard

There shall be no leakage after durability test.

4. Testing Condition

(1) Surrounding Temperature : Room Temperature

(2) Oil : ATF

(3) Oil Temperature : 55±5°c

(4) Oil Amount : 7±0.5 ℓ/min (Thoroughly check difference depending on car types.)

(5) Air Exhaustion : Exhaust air enough so that the air inside the testing equipment circuit such as pump, gear and pipes before the test.

(6) Sampling Holder : It shall have proper strength.

5. Testing Method

Out hole pressure (Return pressure) Put 8kg / m^2 2×10^5 times.

Additional Rule

This standard shall be effective from the day of establishment and revision.

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