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ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations

Working Party on Brakes and Running Gear

Sixty-sixth session

Geneva, 15-17 September 2009

Item 7 of the provisional agenda

REGULATION No. 90
(Replacement brake linings)

Proposal for amendments to Regulation No. 90

Submitted by the expert from European Association of Automotive Suppliers and from the
International Organization of Motor Vehicle Manufacturers */

The text reproduced below was prepared by the expert from European Association of Automotive Suppliers (CLEPA) and from the International Organization of Motor Vehicle Manufacturers (OICA) to include an integrity test for replacement brake drums into ECE/TRANS/WP.29/GRRF/2009/23 prepared by the informal group on Replacement Discs and Drums (RD&D). The modifications to the text of ECE/TRANS/WP.29/GRRF/2009/23 are marked in bold and strikethrough characters.

*/ In accordance with the programme of work of the Inland Transport Committee for 2006-2010 (ECE/TRANS/166/Add.1, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance performance of vehicles. The present document is submitted in conformity with that mandate.

A. PROPOSAL

Annex 11, paragraphs 4.2.2.1. to 4.2.2.1.1.2., amend to read:

"4.2.2.1. Vehicles of categories M₁ and N₁

4.2.2.1.1. Test conditions (brake drum high load test)

~~4.2.2.1.1.1. Vehicles with a maximum permissible axle load \leq 1200 kg~~

~~No high load test required~~

~~4.2.2.1.1.2. Vehicles with a maximum permissible axle load $>$ 1200 kg~~

See paragraph 4.2.1.1.1. above."

Annex 12, paragraphs 4.2.2.1. to 4.2.2.1.1.2., amend to read:

"4.2.2.1. Vehicles of category O₁ and O₂

4.2.2.1.1. Test conditions (brake drum high load test)

~~4.2.2.1.1.1. Vehicles with a maximum permissible axle load \leq 1200 kg~~

~~No high load test required~~

~~4.2.2.1.1.2. Vehicles with a maximum permissible axle load $>$ 1200 kg~~

See paragraph 4.2.1.1.1. above."

B. JUSTIFICATION

With the current text proposal, there would be no integrity test at all for brake drums for vehicles of category M₁, N₁, O₁ and O₂ with a maximum permissible axle load \leq 1200 kg. That means these brake drums could get a type approval without the thermal fatigue or the high load test.

Due to lack of time, this issue has not been discussed in detail during the last meeting of the informal group. However, such an exclusion from any integrity test for certain categories of brake drums is not the intention of the informal group and should be corrected.
