ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations

Working Party on Brakes and Running Gear

Sixty-sixth session
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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 M\textsubscript{1} and N\textsubscript{1}

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 O\textsubscript{1} and O\textsubscript{2}

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 M\textsubscript{1}, N\textsubscript{1}, O\textsubscript{1} and O\textsubscript{2} 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.