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1958 Agreement – Consideration of draft amendments to existing Regulations submitted by GRRF

Proposal for Supplement 16 to Regulation No. 75 (Tyres for L-category vehicles)

Submitted by the Working Party on Brakes and Running Gear*

The text reproduced below was adopted by the Working Party on Brakes and Running Gear (GRRF) at its eightieth session (ECE/TRANS/WP.29/GRRF/80, para. 42). It is based on ECE/TRANS/WP.29/GRRF/2015/30. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee AC.1 for consideration at their June 2016 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2016–2017 (ECE/TRANS/254, para. 159 and ECE/TRANS/2016/28/Add.1, cluster 3.1), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

Supplement 16 to Regulation No. 75 (Tyres for L-category vehicles)

Paragraph 6.1.1.1., amend to read:

"6.1.1.1. The section width shall be calculated by the following formula:

$$S = S_1 + K (A-A_1),$$

Where:

S is the "section width" rounded to the nearest millimetre and measured on the measuring rim;

S_1 is the "nominal section width" (in mm) as shown on the side wall of the tyre in the designation of the tyre as prescribed;

A is the width (expressed in mm) of the measuring rim, as shown by the manufacturer in the descriptive note;

A_1 is the width (expressed in mm) of the theoretical rim;

A_1 shall be taken to equal S_1 multiplied by the factor X specified by the manufacturer;

K shall be taken to equal 0.4."

Paragraph 6.1.2.1., amend to read:

"6.1.2.1. The outer diameter of a tyre shall be obtained by means of the following formula:

$$D = d + 2H$$

Where:

D is the outer diameter expressed in millimetres;

d is the nominal rim diameter defined in paragraph 2.16.3. above, expressed in millimetres;

H is the nominal section height rounded to the nearest millimetre and is equal to

$H = S_1 \bullet 0.01$ Ra, where

S_1 is the nominal section width in millimetres;

Ra is the nominal aspect ratio;

all as shown on the sidewall of the tyre in the tyre-size designation in conformity with the requirements of paragraph 3.4. above."

Paragraph 6.1.4., amend to read:

"6.1.4. Tyre section width specification"

Paragraph 6.1.4.2., amend to read:

"6.1.4.2. It may exceed that value up to the value shown in Annex 5 or for sizes not included in Annex 5 by the following percentages, whereby the limits shall be rounded to the nearest millimetre (mm):"

Paragraph 6.1.5., amend to read:

"6.1.5. Tyre outer diameter specifications

6.1.5.1. The outer diameter of a tyre must not be outside the values D_{min} and D_{max} specified in Annex 5.

6.1.5.2. For sizes not listed in annex 5 the outer diameter of a tyre must not be outside the values D_{min} and D_{max} obtained from the following formulae:

$$D_{min} = d + 2 \bullet H_{min}$$

$$D_{max} = d + 2 \bullet H_{max}$$

Where:

$H_{min} = H \bullet a$ rounded to the nearest mm

$H_{max} = H \bullet b$ rounded to the nearest mm

and

H and d are as defined in paragraph 6.1.2.1. and a and b are as specified in paragraphs 6.1.5.2.1. and 6.1.5.2.2. respectively."