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PROPOSAL FOR SUPPLEMENT 5 TO REGULATION No. 106

(Pneumatic tyres for agricultural vehicles)

Submitted by Working Party on Brakes and Running Gear (GRRF)

Note: The text reproduced below was adopted by GRRF at its sixtieth session. It is based on ECE/TRANS/WP.29/GRRF/2006/25, not amended. It is transmitted to World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration (see ECE/TRANS/WP.29/GRRF/60, para. 33).

Annex 9Paragraph 3.1., amend to read:

- "3.1. Mount the tyre and wheel assembly on the test axle and press it against the outer face of a smooth power-driven test drum of at least 1700 mm \pm 1 per cent in diameter having a surface at least as wide as the tyre tread."

Insert a new paragraph 3.4.1., to read:

- "3.4.1. In case of a test drum diameter larger than 1700 mm \pm 1 per cent, the above "percentage of test load" shall be increased as follows:

$$F_1 = K \cdot F_2 \quad \text{where:}$$

$$K = \sqrt{\frac{(R_1/R_2) \cdot (R_2 + r_T)}{(R_1 + r_T)}}$$

R_1 is the diameter of test drum, in millimeter

R_2 is the diameter of the reference test drum of 1700 mm

r_T is the tyre outer diameter (see paragraph 6.2. of this Regulation), in millimeter

F_1 is the percentage of load to be applied for the test drum

F_2 is the percentage of load, as per above table, to be applied for reference test drum of 1700 mm

Example: $K = 1$ for a test drum diameter of 1700 mm;

In case of a test drum diameter of 3000 mm and a tyre diameter of 1500 mm:

$$K = \sqrt{\frac{(3000/1700) \cdot (1700 + 1500)}{(3000 + 1500)}} = 1.12 "$$
