

Type-Approval Procedure

Information System of the German Type-Approval Authority

Question or problem:

Subsequent superimpose of white wall rings on type-approved tyres; Treatment in the type approval procedure according to UNECE-R 108/109 (Retreaded pneumatic tyres)

Some specialised enterprises for tyres superimpose coloured rings (white wall rings), e.g. by vulcanisation, on approved tyres. This new product looks like the original equipment of certain historical vehicles, however, the original approved condition of the tyre was changed by doing this.

The question, how to treat this tyres in the type approval procedure, was discussed also in the FKT-Committee „wheels and tyres“ under participation of the BMVBS and the KBA.

Result:

It was agreed to grant an approval for tyres with an additional superimposed coloured ring (white wall) on a type approved tyre according to ECE-R 108 or 109 (UNIFORM PROVISIONS CONCERNING THE APPROVAL FOR THE PRODUCTION OF RETREADED PNEUMATIC TYRES FOR MOTOR VEHICLES AND THEIR TRAILERS or commercial motor vehicles and their trailers). That means, every with a coloured ring modified tyre, has to fulfil the same requirements as a normal retreaded pneumatic tyre according to UNECE-R 108/109.

It must be pointed out that in accordance with UNECE-R 108 no. 2.37 “Retreading” means the generic term for reconditioning a used tyre by replacing the worn tread with new material. It may also include renovation of the outermost sidewall surface.

Considering the small numbers of items which can be expected, the KBA was authorised by the BMVBS in the interest of a pragmatic implementation, to treat also the exclusive superimpose of a coloured ring (white wall) without replacing the worn tread as “retreading” in the approval procedure according to UNECE-R 108 or 109.

In this way also the special requirements on the manufacturer and its quality management system (see e.g. ECE-R 108, no. 4 and 5) are considered.

The tyre with an additional coloured ring (white wall) has to be marked with all prescribed labels in accordance with no. 3. of UNECE-R 108 (or 109). Corresponding with no. 3.2.8 of UNECE-R 108 (no. 3.2.11 of UNECE-R 109) the tyre with a coloured ring has to be marked with the inscription „RETREAD“, alternatively further inscriptions like „WHITEWALL“ or „Weiwand“ are permitted.

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