

Type-Approval Procedure

Information System of the German Type-Approval Authority

Pre-conditions for the use of “Alpine” symbol composed of “3-peak-mountain with snowflake” in the marking of retreaded pneumatic tyres for commercial vehicles and their trailers according UN Regulation No. 109.

In the process of retreading pneumatic tyres for commercial vehicles and their trailers a marking for tyres for use in severe snow conditions may be applied since supplement 7 to Regulation 109 entered into force at 20.01.2016.

Question or problem

What steps have to be taken by the holder of a type-approval according Regulation 109 so that retrod pneumatic tyres can be marked with the “Alpine” symbol (3-peak-mountain with snowflake)?

Result:

Marking with the “Alpine” symbol composed of “3-peak-mountain with snowflake” is not permitted before an extension to the approval issued for the retreading production unit is granted. An extension to the approval can be granted on application if prove is furnished and documents are provided as described in the Regulation.

An application for extension of the approval has to be submitted to the Kraftfahrt-Bundesamt (KBA) and the Technical Service who issued the test report for the approval to be extended is to be commissioned to issue an extension to that test report. Regarding Conformity of Production (COP) additional measures have to be implemented by the retreading production unit. Those measures have to be completed and to be documented in the COP Report annually provided to KBA.

Two different proceedings may be applied subject to the method used for retreading and subject to documentary proof or certificates issued for other entities regarding the treat patterns.

Proceeding 1

If pre-cured treat material is used for reading tyres for which the suitability of the tread pattern will not be proved using evidence of an existing type-approval for new tyres the retreader has to ensure that either the manufacturer or the supplier of the pre-cured tread material provides the following documents:

1. A **copy of the test report** according Annex 10, Appendix 3 for the representative tyre size.

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2. A **list of tyre sizes on which the material may be applied** for retreading

[The documents regarding 1. and 2. have to be issued by the same Technical Service. If that Technical Service is not designated by KBA for UN Regulation No. 117 a confirmation of the Type-Approval Authority who designated that Technical Service is to be provided.]

3. Additionally a **copy of the latest report regarding conformity of production** issued by the manufacturer of the pre-cured tread material regarding his COP measures has to be provided.

[This document shall include test results demonstrating compliance with the minimum snow grip index according Annex 10 of Regulation 109.]

Proceeding 2

For tyres retreaded by using either mould cure or pre-cured tread material with the same major features including tread pattern(s) as a new tyre type approved according to Regulation 117 having fulfilled the requirements about minimum snow performance in severe snow conditions, the re-treader shall ensure that the manufacturer of the new tyre type provides the following documents either directly to KBA, to the Technical Service who is going to issue the extension of the test report according Regulation 109 or to the re-treader:

1. A **copy of the Regulation 117 certificate(s)** and a **copy of the appropriate test report(s)** issued by a designated Technical Service **demonstrating compliance** of the new tyre **to the minimum snow performance in severe snow conditions** and the **drawing(s) of the tread pattern(s)** covered by the certificate(s).
2. Additionally the Technical Service/Type-Approval Authority who issued the test report/ approval according UN Regulation No. 117 shall provide a **list of tyre sizes to which it can be applied** for the retreading process.

[An assessment of that list by the Type-Approval Authority is only needed if the Technical Service providing the list is not designated by KBA.]

3. Additionally a **copy of the last report of the Conformity of Production** of the new tyre type as required for Regulation 117 from the manufacturer of the new tyre type.

Flensburg, 01.02.2018
400-342/014#004
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