THE NETHERLANDS
(N E D E R L A N D)

STATEMENT OF VALIDATION

Statement number : **RDW-00056598-01**

Subject : Validation of snow performance and tyre size list relative to snow tyre for use in severe snow conditions according to UN Regulation No. 109.

Scope : Tyres retreaded by using pre-cured tread material(s) with a tread pattern **not** type approved as a new tyre type according to UN Regulation No 117 (according to paragraph 6.4.4.1. of UN Regulation No.109).

RDW, as the competent Administrative Department (Approval Authority) for the Netherlands, declares herewith that the snow grip performance of the selected test tyre type, having the here under mentioned pre-cured Tread Pattern(s), is tested in accordance with Annex 10 and meets the minimum required snow grip performance of article 7.2.1. of UN regulation No. 109. The tyre types mentioned on the attached tyre size list are covered by the test result of this representative tested tyre and considered to all meet the required snow grip performance level.

Identification of the pre-cured Tread Pattern(s) by the tread Manufacturer:
Continental, ContiTread HDR2 (additional Tire sizes Annex 2)

Related attachments to this statement:
1) A copy of the test report(s) SNO2017D120830AC69 as in Annex 10, Appendix 3 of the representative tyre size(s)
(see definition in paragraph 2) demonstrating compliance of the pre-cured tread(s) to the requirements of paragraph 7.2.
2) The list(s) of tyre sizes to which it can be applied for the retreading process clearly identifying the tyres in order to make the relevant link with the list(s) quoted.
3) The drawing(s) of the tread pattern(s) (Optional).
4) A copy of the measures taken to ensure the conformity of production. These measures shall include test results demonstrating that the minimum levels of the snow performances required in paragraph 7.2.1 will be maintained and demonstrating periodically the compliance with the requirement defined in paragraph 9.2.3. or 9.4.4.

Place : Zoetermeer

Date : 19 March 2020

Signature :

R.F.R. Clement
Type-approval Department

P.O. Box 777
2700 AT Zoetermeer
The Netherlands

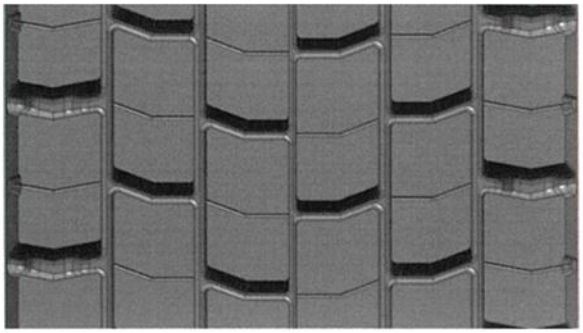
Tel. + 31 79 345 83 02
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www.rdw.nl

ANNEX 1

Copy of the test report(s) as in Annex 10, Appendix 3 of the representative tyre size(s) (see definition in paragraph 2) demonstrating compliance of the pre-cured tread(s) to the requirements of paragraph 7.2.:

Compliance was demonstraded on a hot-retread product (HDR2 ContiRe) using the same tread pattern as the pre-cured treads covered by this statement

Description of tread pattern

Manufacturer Name			Continental
Tyre category			HDR2 ContiRe
Tire size			315/80R22.5
pitch number			52
min. number if lateral slots			>30
pitch ratio			1
Void to fill ratio		[%]	22,4
number of main grooves		#	5
main grooves	width	[mm]	7/7/4,5/7/7
	depth	[%]	100
Tread	depth	[mm]	22,5
Shoulder groove	depth	[mm]	22,5
Pattern			

Test report No.: SNO2017D120830AC69_180724

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ANNEX 2

List(s) of tyre sizes to which it can be applied for the retreading process clearly identifying the tyres in order to make the relevant link with the list(s) quoted:

List of Continental pre-cured treads that may be marked with the Alpine (three peak mountain snowflake) symbol

ContiTread HDR2

List of applicable tread sizes:	**TW220** **TW230** TW245 TW255 TW265 TW275
List of applicable tire sizes:	275/70R22.5 295/80R22.5 315/80R22.5 315/70R22.5 **12R22.5** **13R22.5**

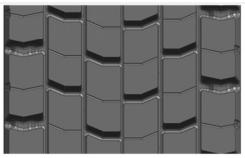
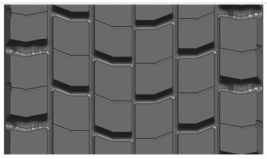
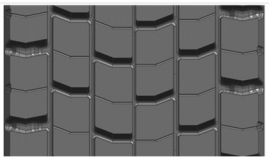
ANNEX 3

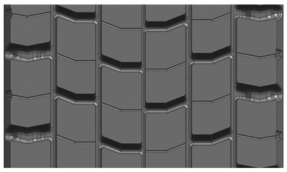
Copy of the measures taken to ensure the conformity of production. These measures shall include test results demonstrating that the minimum levels of the snow performances required in paragraph 7.2.1 will be maintained and demonstrating periodically the compliance with the requirement defined in paragraph 9.2.3. or 9.4.:

ANNEX 4

Drawing(s) of the tread pattern(s):

Description of Tread pattern ContiTread

Manufacturer Name			Continental	Continental	Continental
tyre category			ContiTread HDR2	ContiTread HDR2	ContiTread HDR2
Tread width			245	255	265
pitch ratio			1	1	1
Void to fill ratio		[%]	21,6	21,7	21,8
number of main grooves		#	5	5	5
main grooves	width	[mm]	7/7/4,6/7/7	7,2/7,2/4,75/7,2/7,2	7,4/7,4/5/7,4/7,4
	depth	[%]	100	100	100
Tread	depth	[mm]	21,5	21,5	21,5
Shoulder groove	depth	[mm]	21,5	21,5	21,5
Pattern					

Manufacturer Name			Continental
tyre category			ContiTread HDR2
Tread width			275
pitch ratio			1
Void to fill ratio		[%]	21,2
number of main grooves		#	5
main grooves	width	[mm]	6,6/7,9/5,5/7,9/6,6
	depth	[%]	100
Tread	depth	[mm]	22
Shoulder groove	depth	[mm]	22
Pattern			

Continental

Continental Reifen Deutschland GmbH
Quality Management

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Central Quality Management
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To Whom it May Concern

Hannover, 21.03.2019

Statement of Measures Takes to Ensure Conformity of Production

Ladies and Gentlemen,

Continental Reifen Deutschland GmbH hereby confirms that measures to ensure continued Conformity of Production of pre-cured treads are performed worldwide in accordance with Continental's standard:

> **Quality Control Tire Functional Testing and Legal Compliance Testing for Commercial Tires**
> **Document No.:** HQST-V-MA-F-CF-WI -0159-06
> **Issue:** 02

This process is controlled centrally by Central Quality Management in Hannover.

Since the above-mentioned document contains proprietary knowledge, we keep our documents confidential. The documents can be reviewed and discussed during personal meetings at our plant Stöcken, Hannover.

The above measures include testing of tyres retreaded with applicable pre-cured treads at least once in four years to verify conformance with Annex 10 of UN regulation 109.

Best Regards,

Dr. Frank Brouwer
Manager Product Review

Björn Bolze
Director Quality Management Truck Tires

JE MAINTIENDRAI
RDW

Continental Reifen Deutschland GmbH, Vahrenwalder Str. 9, D-30165 Hannover
Vorsitzender des Aufsichtsrats/Chairman of the Supervisory Board: Nikolai Setzer; Geschäftsführer/Managing Director: Philipp von Hirschheydt (Vorsitzender/Chairman), Gerd Bartels, Dr. Gabriele Fredebohm
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