

**THE NETHERLANDS**  
( N E D E R L A N D )**COMMUNICATION**Concerning <sup>(1)</sup>:

- ~~approval granted~~
- approval extended
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of tyre with regard to 'rolling sound emission level' and/or 'adhesion performance on wet surfaces' and/or 'rolling resistance' pursuant to Regulation number 117.

**Approval number: E4-117R-027557 S2R1****Extension number: 01**

1. Manufacturer's name and address(es) : SHANDONG LINGLONG TYRE CO.,LTD.  
No. 777, Jinlong Road,  
265406, Zhaoyuan, Shandong ,  
P.R.China
2. If applicable, name and address of  
manufacturer's representative : Not applicable
3. 'Tyre class' and 'category of use' of  
the type of tyre : Class C3  
: snow
- 3.1. Snow tyre for use in severe snow  
conditions : ~~yes~~/no <sup>(1)</sup>
- 3.2. Traction tyre : ~~yes~~/no <sup>(1)</sup>
4. Brand(s) name(s) and/or Trade  
description(s) of the type of tyre : LINGLONG; SHANLING; LEAO; Infinity;  
: Benchmark  
LAU609; SAU609; AAU609; IAU609; BAU609
5. Technical service and, where  
appropriate, test laboratory approved  
for purposes of approval or of  
verification of conformity tests : TÜV NORD Mobilität GmbH & Co.KG  
Institut für Fahrzeugtechnik und Mobilität  
: Adlerstrasse 7, D-45307 Essen

**Approval number: E4-117R-027557 S2R1**  
**Extension number: 01**

6. Performance(s) approved : sound level at (~~stage 1~~/stage 2)<sup>(1)</sup>, ~~wet adhesion level~~, rolling resistance level (stage 1/~~stage 2~~)<sup>(1)</sup>
- 6.1. Sound level of the representative tyre size, see Paragraph 2.5. of Regulation number 117, as per item 7. of the test report in the appendix 1 to Annex 3: 73 dB(A) at reference speed of 70/~~80~~ km/h<sup>(1)</sup>.
- 6.2. Wet adhesion level of the representative tyre size, see Paragraph 2.5. of Regulation number 117, as per item 7. of the test report in the appendix to Annex 5: ... (G) using the vehicle or ~~trailer~~ method<sup>(1)</sup>.
- 6.3. Rolling resistance level of the representative tyre size, see paragraph 2.5. of Regulation number 117, as per item 7. of the test report in the appendix 3 to Annex 6: 6.88 N/kN.
- 6.4. Snow grip level of the representative tyre size, see paragraph 2.5. of Regulation No. 117, as per item 7. of the test report in the appendix<sup>(2)</sup> to Annex 7: ... (Snow grip index) using the brake on snow method<sup>(1)</sup>, ~~spin traction method<sup>(4)</sup>~~ or ~~acceleration method<sup>(1)</sup>~~.
7. Number of report issued by that service : CT117-B0-160149
8. Date of report issued by that service : Nov.29, 2016
9. Reason(s) of extension (if applicable) : Add new tyre size (see attachment)
10. Any remarks : N/A
11. Place : Zoetermeer
12. Date : 2-3-2017
13. Signature :



**H. de Louweren**

14. Annexed to this communication are:
- 14.1. A list of documents in the approval file deposited at the Type Approval Authorities having delivered the approval and which can be obtained upon request<sup>(3)</sup>.
- 14.2. A list of tread-pattern designations: Specify for each trademark or brand name and trade description the list of tyre size designations, adding in case of Class C1 tyres the mark 'reinforced' (or 'extra load') or the speed symbol of snow tyres or in the case of tyres of Classes C2 and C3, the mark 'traction', if so required by paragraph 3.1. of this Regulation.

<sup>(1)</sup> Strike out what does not apply.

<sup>(2)</sup> Appendix 2 for C1 and C2 tyres.  
Appendix 3 for C3 tyres.

<sup>(3)</sup> In the case of 'snow tyre for use in severe snow conditions' a test report according to Appendix 2 of Annex 7 shall be submitted.


## RELATING TO ECE TYPE-APPROVAL FOR A TYPE OF TYRE WITH REGARD TO ROLLING SOUND EMISSIONS AND TO ADHESION ON WET SURFACES (ECE Regulation No. 117. 01)

### 1. GENERAL

- 1.1. The performance characteristics to be assessed for the tyre type : ~~rolling sound level / adhesion performance level on wet surfaces and rolling sound level~~
- 1.2. Manufacturer's name : SHANDONG LINGLONG TYRE CO., LTD.  
1.3. Name and address of applicant :  
No.777, Jinlong Road, 265406, Zhaoyuan, Shandong, P.R.China
- 1.4. Address(es) of manufacturing plant(s) : the same as the applicant
- 1.5. Brand name(s), Trade description(s) or Trade mark(s) to be used for particular tyre type-approval requested : LINGLONG; SHANLING; LEAO; Infinity; Benchmark LAU609; SAU609; AAU609; IAU609; BAU609
- ### 2. TYRE
- 2.1. Tyre classification (class C1, C2, C3) : ~~Class C1 / Class C2 / Class C3~~
- 2.2. Section width range for class C1 tyres : see attached list of tyre size
- 2.3. Tyre structure : ~~diagonal / bias-belted / radial~~
- 2.4. For Class C1 tyres, state whether:
- 2.4.1 Reinforced (or extra load) in case of approval with regarding to rolling sound emission level : not applicable
- 2.4.2 Speed category symbol "Q" or below (not including "H") or "R" and above (including "H") in case of snow tyres for approval with regarding to adhesion on wet surfaces : not applicable
- 2.5. Category of use (normal, snow, special) : ~~normal / snow / special~~
- 2.6. A list of tyre designations covered by this application : see attached list of tyre size
- 2.7. Details of major features, with respect to the effects on tyre performance (i.e. rolling emission level or adhesion on wet surfaces, respectively) of the tread pattern(s) to be used on the designated range of tyre sizes. This may be by drawing, photograph or description but must be sufficient to allow the type approval authority or technical service to determine whether any subsequent changes to the major features will adversely affect the tyre performance : see attached drawing of tread pattern

MANUFACTURER'S STAMP

Signature:



Name: ...Sui Haitao...

THIS APPLICATION IS ACCOMPANIED BY:

- List of tyre size
- Drawing of tread pattern
- The test report

**List of tyre size**

**Brand name(s) or Trade mark(s):**LINGLONG;SHANLING;LEAO;Infinity;Benchmark  
**Tread pattern** : LAU609;SAU609;AAU609;IAU609;BAU609

Tyre size	Approval No.	Limit dB(A)	Rolling Resistance Coefficient(RRC)
275/70R22.5 148/145J(152/148E)	E4-0030150	73	≤8.0
11R22.5 148/145J	E4-0030147	73	≤8.0
<u>275/70R22.5</u> <u>150/148J(152/148F)</u>	<u>E4-0036412</u>	73	≤8.0

**SW Test Size :** 11R22.5 148/145J

**Because of :** The largest nominal section width.

In case of tyres with same nominal section width select the smallest aspect ratio.

In case of tyres with same nominal section width and aspect ratio select the largest rim diameter.

**RR Test Size :** 275/70R22.5 148/145J (152/148E)

**Because of :** ~~The largest nominal section width.~~

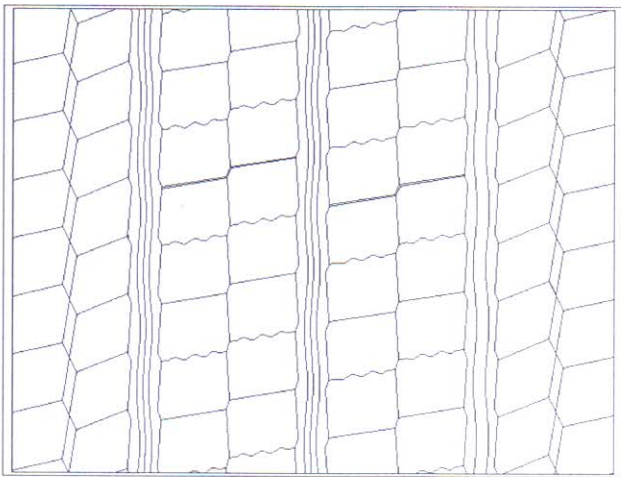
~~In case of tyres with same nominal section width select the smallest aspect ratio.~~

~~In case of tyres with same nominal section width and aspect ratio select the largest rim diameter.~~

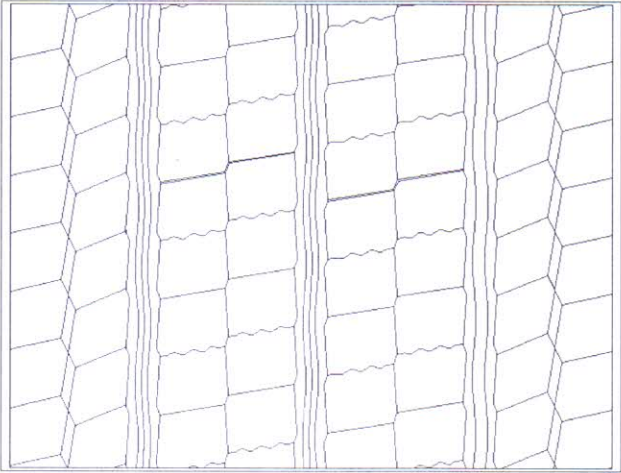
Lowest load index

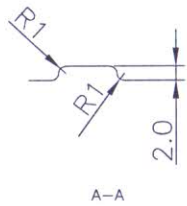
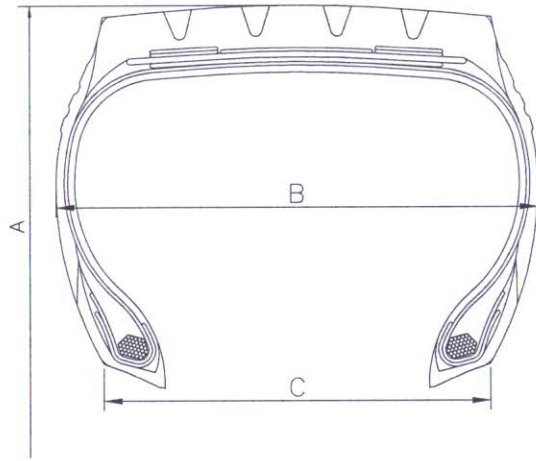


## Drawing of the tread pattern (for measured tyre)

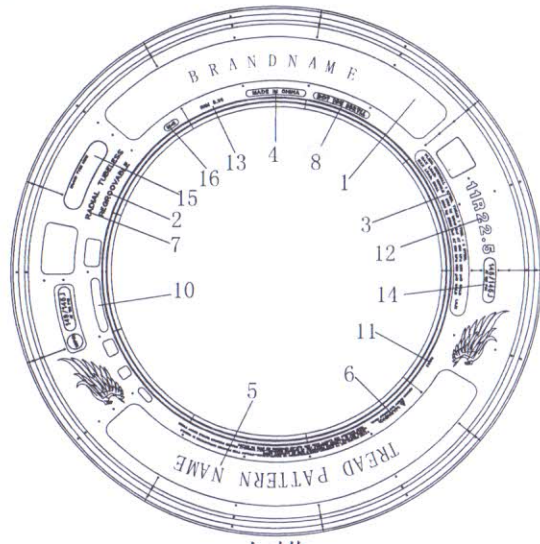
Manufacturer name	SHANDONG LINGLONG TYRE CO., LTD.	
Pattern name	LINGLONG:LAU609 SHANLING:SAU609 LEAO:AAU609 Infinity:IAU609 Benchmark:BAU609	
Tyre Size	11R22.5 148/145J	
Market	EU/US	
Pitch number	64	
Pitch ratio	1.00	
Void volume [%]	16.27	
Width: main grooves [mm]	13.5/13.5/13.5	
Depth: center groove [mm]	21.5	
Depth: shoulder groove [mm]	21.5	
Pattern		

Drawing of the tread pattern (for measured tyre)

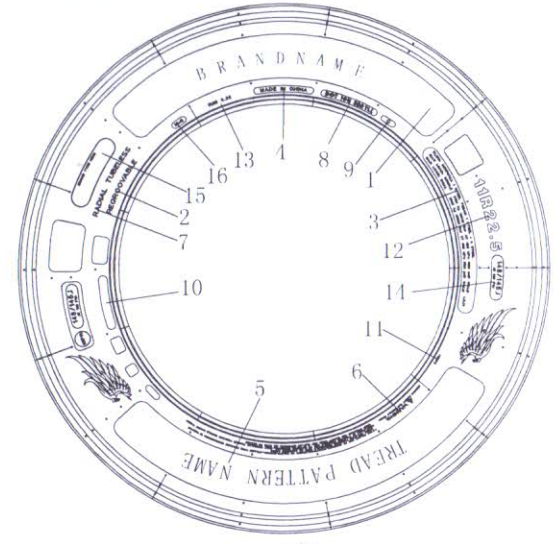
Manufacturer name	SHANDONG LINGLONG TYRE CO., LTD.
Pattern name	LINGLONG:LAU609 SHANLING:SAU609 LEAO:AAU609 Infinity:IAU609 Benchmark:BAU609
Tyre Size	275/70R22.5 148/145J (152/148E)
Market	EU/US
Pitch number	64
Pitch ratio	1.00
Void volume [%]	15.3
Width: main grooves [mm]	12.5/12.5/12.5
Depth: center groove [mm]	21.5
Depth: shoulder groove [mm]	21.5
Pattern	



TREAD PATTERNS  
REFER TO ATTACHMENT NO. QG2016-341



上模



下模

16	M+S
15	BRAND TYRE HERE
14	148/145 J AT 123 PSI
13	RIM 8.25
12	11R22.5
11	**** (MOLD NUMBER)
10	E4 0030147
9	**** (PRODUCTION DATE)
8	DOT. . .
7	RADIAL TUBELESS
6	WARNING. . . . .
5	REFER TO ATTACHMENT NO. QG2016-341
4	MADE IN CHINA
3	PLIES: SIDEWALL 1 STEEL. TREAD 1 STEEL*3 STEEL. MAX LOAD: SINGLE 3150kg (6940lbs) AT 850kPa (123 psi) COLD MAX LOAD: DUAL 2900kg (6390lbs) AT 850kPa (123 psi) COLD I.R. II
2	REGROOVABLE
1	REFER TO ATTACHMENT NO. QG2016-341
	UPPER MOLD
	LOWER MOLD

11R22.5	148/145	J	TL	1050	279	209.5
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)



Approve by:

*[Handwritten signature]*

Check by:

李利革

Draft by:

郭林

**Test Report**

No.: CT117-B0-160149  
Regulation No: 117  
Page: 1 / 4  
Customer: SHANDONG LINGLONG TYRE Co.,LTD  
Tyresize / -type: 275/70R22.5/LAU609



**Test Report**

**AGREEMENT Concerning the adoption of uniform technical prescriptions for wheeled vehicles, equipment and parts which can be fitted and/or be used on wheeled vehicles and the conditions for reciprocal recognition of approvals granted on the basis of these prescriptions**

**Uniform provisions concerning the approval of tyres with regard to rolling sound emissions and to adhesion on wet surfaces and/or to rolling resistance**

**ECE-R 117**

*as last amended  
not applicable*

<i>Approval status</i>	
ECE	<i>Number of approval</i>
	E4-117R-027557-S2R1-01





## Test Report

No.: CT117-B0-160149  
Regulation No: 117  
Page: 2 / 4  
Customer: SHANDONG LINGLONG TYRE Co.,LTD  
Tyresize / -type: 275/70R22.5/LAU609



### Test Report (ECE-R117)

Inspection report regarding the tyre/road noise emission of a tyre in accordance with the Council Directive, Annex V to Directive 92/23/EEC, as last amended by Directive 2005/11/EC and ECE Regulation no. 117.

#### Part1-Report

1. Type approval authority or Technical Service : TÜV NORD Mobilität GmbH & Co. KG - Institut für Fahrzeugtechnik und Mobilität, Adlerstr. 7, 45307 Essen
2. Name and address of applicant : SHANDONG LINGLONG TYRE Co.,Ltd  
No.777, Jinlong Road,265406, ZhaoYuan,ShanDong, P.R.China
3. Test report No. : CT117-B0-160149
4. Manufacturer and Brand Name or Trade description : LINGLONG
5. Tyre Class (C1, C2 or C3) : Class C3
6. Category of use : Snow
- 7.Sound level according to paras. 4.4. and 4.5. of Annex 3 of: 73 dB(A) /70 km/h  
ECE R 117 and paras. 4.4. and 4.5. of Annex V appendix1 of the Directive 92/23 EC at reference speed of 70 ~~or~~ 80km/h
- 8 Adhesion coefficient on wet surfaces relative to SRTTaccording to paragraphs 2.1.2.15 or 2.2.2.15 /
- 9.Rolling resistance coefficient (temperature and drum diameter corrected) 6.88

Conclusions:The modifications included in this report No. CT117-B0-160149, are reason for extension of approval with regard to the tyres issued in the type approval number E4-117R-027557-S2R1-01 and FULFILL the technical prescription with regard to “rolling sound emissions level” and “rolling resistance ” pursuant to UN/ECE regulation 117R02



**Test Report**

No.: CT117-B0-160149  
 Regulation No: 117  
 Page: 3 / 4  
 Customer: SHANDONG LINGLONG TYRE Co.,LTD  
 Tyresize / -type: 275/70R22.5/LAU609



Part2-Test data

As submitted by TÜV NORD Mobilität GmbH

**Number of report issued by that service: CT117-A0-150052/150106****Statement of conformity**

The type described in this test report and the appendices attached are in compliance with the Test Specification mentioned above.


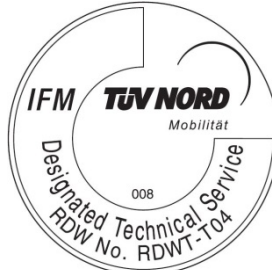
The Test Report comprises pages 1 to 3.

The Test Report shall be reproduced and published in full only and by the client only. It shall be reproduced partially with the written permission of the Test Laboratory only.

**TEST LABORATORY**

TÜV NORD Mobilität GmbH & Co. KG  
 IFM - Institut für Fahrzeugtechnik und Mobilität,  
 Adlerstr. 7, 45307 Essen  
 Designated Technical Service  
 RDW No. RDWT-T04

Tianjin, China  
 2016-11-29

 Wang Xin Assessor, Automotive Homologation TÜV NORD Certification (Tianjin)	 TÜV NORD Certification (Tianjin)
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**Test Report**

No.: CT117-B0-160149

Regulation No: 117

Page: 4 / 4

Customer: SHANDONG LINGLONG TYRE

Co.,LTD

Tyresize / -type: 275/70R22.5/LAU609



Mobilität

**List of modifications**

Appendix 1

More details for application of	Date
Correction of	-
Modification of	-
Addition of	-
Deletion of	-
Reason(s) for extension (if applicable)	Inclusion of new tyre sizes (see attachment) covered by previous worst case tests

