

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

COMMUNICATION

Concerning ⁽¹⁾:

- 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- approval withdrawn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 UN Regulation number 117.

Approval number ⁽²⁾: E4*117R02/10*10077*03Suffix(es) ⁽³⁾: 02S2WR2

1. Manufacturer's name and address : LLIT (THAILAND) CO., LTD.
911/9 Moo 5, Khaokhansong, Sriracha,
Chonburi 20110, Thailand
2. If applicable, name and address of
manufacturer's representative : N/A
3. 'Tyre class' and 'category of use' of
the type of tyre : ~~Class C1 / Class C2 / Class C3~~ ⁽¹⁾
~~normal / snow / special~~ ⁽¹⁾
- 3.1. Snow tyre for use in severe snow
conditions : yes/~~no~~ ⁽¹⁾
- 3.2. Traction tyre : yes/~~no~~ ⁽¹⁾
4. Tyre type designation :
- 4.1. Brand name(s)/trademark(s) of the
type of tyre : LINGLONG, SHANLING, LEO, Infinity,
BARKLEY, BENCHMARK, CROSSWIND,
GREEN MAX, SUMO FIRENZA, HUBTRAC

Approval number: E4*117R02/10*10077*03

- 4.2. Trade description(s)/Commercial name(s) of the type of tyre : ETD100, BL831, GRD802, CWD10E, DRIVUS-D, HIGHWAY D11
5. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity tests : IDIADA Automotive Technology, S.A.
L'Albornar, P.O. Box 20
43710 Santa Oliva (Tarragona), SPAIN
6. Performance(s) approved : sound level at (~~stage 1~~/stage 2)⁽¹⁾, wet adhesion level, rolling resistance level (~~stage 1~~/stage 2)⁽¹⁾
- 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: 74 dB(A) at reference speed of 70/80 km/h⁽¹⁾.
- 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: 1.09 (G) using the vehicle ~~or trailer~~ method⁽¹⁾.
- 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: 6.42 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⁽⁴⁾ to Annex 7: 2.03 (Snow grip index) using the ~~brake on snow method⁽⁴⁾, spin traction method⁽⁴⁾ or~~ acceleration method⁽¹⁾.
7. Number of report issued by that service : Technical report CV20090099, Noise test report CT117-A0-180026, Wet grip test report CT117-A0-180027, Rolling Resistance test report CT117-A0-180025, Snow Performance test report TW-TL18-LL116-E117SP C1
8. Date of report issued by that service : Technical report 03/09/2020, Noise test 27/10/2017, Wet grip test 28/03/2017, Rolling Resistance test 10/03/2017, Snow Performance test 25/06/2018
9. Reason(s) of extension (if applicable) : Addition of new brand names
Addition of new trade descriptions
10. Any remarks : Update from supplement 09 to supplement 10



11. Place : Zoetermeer
12. Date : 16 October 2020
13. Signature :


Uwe Löbig



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⁽⁵⁾.
- 14.2. A list of tyre size designations: Specify for each brand name/trademark and/or each trade description/Commercial name 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.

⁽¹⁾ Strike out what does not apply.

⁽²⁾ According to Schedule 4 to Revision 3 of the 1958 Agreement.

⁽³⁾ According to paragraphs 5.2.2. and 5.3.1.2. of this Regulation.

⁽⁴⁾ Appendix 2 for C1 and C2 tyres.

Appendix 3 for C3 tyres.

⁽⁵⁾ 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.

Statement manufacturer and authorization regarding application

1 **EC & UNECE type-approval number** : E4*117R02/10*10077*03

2 **Manufacturer/** **Manufacturer's representative** ⁽¹⁾

3 Company name : LLIT (THAILAND) CO., LTD.
4 Name authorized person : Yue Peng
5 Job title : Certification Manager
6 E-mail address : yue_peng@linglong.cn
7 Address : 911/9 Moo 5, Khaokhansong, Sriracha, Chonburi 20110, Thailand
8 Country : Thailand

9 **Statement**

10 Hereby : Yue Peng ,
11 declares on behalf of ,
the manufacturer : LLIT (THAILAND) CO., LTD. ,
12 for the application with ,
type-approval number : E4*117R02/10*10077*03 ,
13 the following:
14 a) the manufacturer has not applied for an EC & UNECE type-approval for the same type to any other approval
authority, and no other approval authority granted the manufacturer such an approval;
15 b) no approval authority has refused to grant type-approval of that type;
16 c) no approval authority has withdrawn type-approval of that type;
17 d) the manufacturer has not revoked an application for a type-approval of that type.


18 **Authorization regarding handling of this application (if applicable)** ⁽²⁾

19 Company name : IDIADA Automotive Technology, S.A.
20 E-mail address : QualityHomologations@idiada.com
21 Address : L'Albornar, P.O. Box 20, 43710 Santa Oliva (Tarragona) Spain
22 Country : Spain

23 **Authorization**

24 By means of this
declaration, I : Yue Peng ,
25 on behalf of : LLIT (THAILAND) CO., LTD. ,
26 authorizes : IDIADA Automotive Technology, S.A. ,
27 to respectively apply for a type-approval with type-approval number:
E4*117R02/10*10077*03 ,
28 handle all communication concerning this application and receive the type-approval certificate.

| 29 Date | Place | Name: |
|----------------|--------------------|---------------------------|
| 30 05/10/2020 | Chonburi, Thailand | LLIT (THAILAND) CO., LTD. |

31 On their behalf, signature : ... 
32 Name : Yue Peng

⁽¹⁾ Mark the specific checkbox.

⁽²⁾ This authorization only concerns the application procedure and all activities that are directly or indirectly related to this procedure. If and insofar as other procedures, including the lodging of objections, are deemed necessary, a new authorization must be submitted in respect of that specific procedure.

TECHNICAL DOCUMENTATION

SHANDONG LINGLONG TYRE CO., LTD.

Information folder No.: QG2020-022

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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. 02)

1. GENERAL

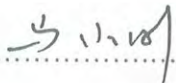
- 1.1. The performance characteristics to be assed for the tyre type : ~~rolling sound level and Rolling resistance level /~~ adhesion performance level on wet surfaces , rolling sound level and rolling resistance level
- 1.2. Manufacturer's name : LLIT(THAILAND)CO.,LTD.
- 1.3. Name and address of applicant : 911/9Moo5,Khaokhansong,Sriracha, Chonburi20110,Thailand
- 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) : LINGLONG; SHANLING; LEAO; Infinity; BARKLEY; BENCHMARK; CROSSWIND; GREEN MAX; SUMO FIRENZA; HUBTRAC
- to be used for particular tyre type-approval requested : ETD100; BL831; GRD802; CWD10E; DRIVUS-D; HIGHWAY D11

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~~ / snow tyre for use in severe snow condition
- 2.6 Traction tyre : Yes/No
- 2.7 A list of tyre designations covered by this application : see attached list of tyre size
- 2.8 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: ...Ma Xiaogang...

THIS APPLICATION IS ACCOMPANIED BY:

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

SHANDONG LINGLONG TYRE CO., LTD.

Information folder No.: QG2020-022

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List of tyre size

Brand name(s) or Trade mark(s): LINGLONG; SHANLING; LEAO;

Infinity; BARKLEY; BENCHMARK;

GREEN MAX; CROSSWIND; SUMO FIRENZA;

HUBTRAC

Tread pattern: ETD100; BL831; GRD802; CWD10E; DRIVUS-D; HIGHWAY D11

| Tyre size | Approval No. | Limit dB(A) | Wet grip index(G) | Rolling Resistance Coefficient(RRC) |
|-----------------------------------|--------------|-------------|-------------------|-------------------------------------|
| 315/80R22.5 154/150M | E4-0041099 | 76 | ≥ 0.715 | ≤ 7.5 |
| 315/80R22.5 156/150L(154/150M) | E4-0041177 | 76 | ≥ 0.715 | ≤ 7.5 |
| 315/60R22.5 152/148L | E4-0041296 | 76 | ≥ 0.715 | ≤ 7.5 |
| 315/70R22.5 154/150L(152/148M) | E4-0041180 | 76 | ≥ 0.715 | ≤ 7.5 |
| 315/70R22.5 156/150L(154/150M) | E4-0041179 | 76 | ≥ 0.715 | ≤ 7.5 |
| 295/60R22.5 150/147L | E4-0041185 | 76 | ≥ 0.715 | ≤ 7.5 |
| 295/80R22.5 152/148M | E4-0034637 | 76 | ≥ 0.715 | ≤ 7.5 |

SHANDONG LINGLONG TYRE CO., LTD.

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Rolling sound emission test size: 315/60R22.5 152/148L

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.

Rolling resistance test size: 295/60R22.5 150/147L

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

Wet grip test Size: 315/70R22.5 154/150L(152/148M)

Because of : Any tyre size can represent the whole tyre range if the minimum required wet grip value is met by ten per cent (10%) or more above this minimum required

Peak snowflake test Size: 295/60R22.5 150/147L

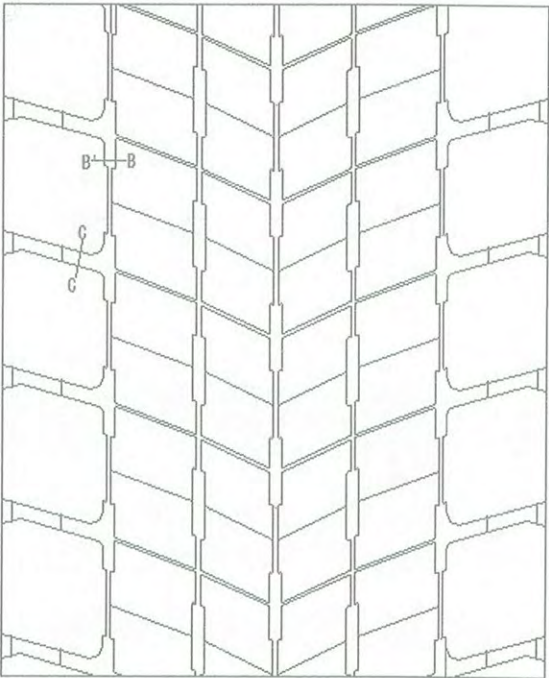
Because of : The smallest nominal section width.

SHANDONG LINGLONG TYRE CO., LTD.

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Drawing of the tread pattern (for measured tyre)

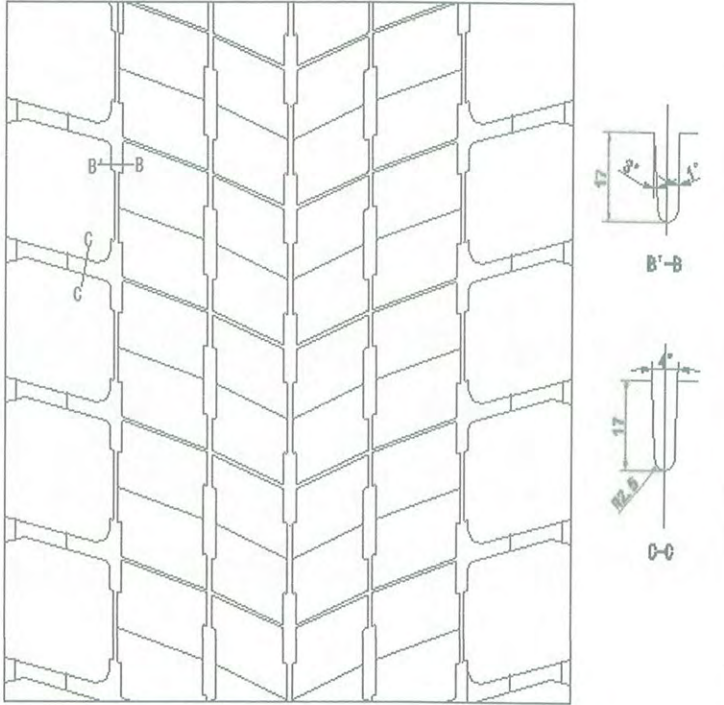
| | |
|-----------------------------|--|
| Manufacturer name | LLIT(THAILAND) CO.,LTD |
| Pattern name | LINGLONG:ETD100 SHANLING: ETD100 LEAO: ETD100 Infinity: ETD100 BENCHMARK: ETD100 BARKLEY:BL831 GREEN MAX:GRD802 CROSSWIND:CWD10E SUMO FIRENZA:DRIVUS-D <u>HUBTRAC:HIGHWAY D11</u> |
| Tyre Size Market | 315/60R22.5 152/148L EU/US |
| Pitch number | 60 |
| Pitch ratio | 1.00 |
| Void volume [%] | 13.57 |
| Width: main grooves [mm] | 6 |
| Depth: center groove [mm] | 17 |
| Depth: shoulder groove [mm] | 17 |
| Pattern |  <p>The drawing shows a perspective view of a tread pattern with a grid of grooves. Two cross-sections are provided: B-B, which shows a groove with a depth of 17 mm and a width of 6 mm, and C-C, which shows a groove with a depth of 17 mm and a width of 6 mm. The pattern is symmetrical and consists of a series of parallel grooves in both the longitudinal and transverse directions.</p> |

SHANDONG LINGLONG TYRE CO., LTD.

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Drawing of the tread pattern (for measured tyre)

| | |
|---|--|
| Manufacturer name | LLIT(THAILAND) CO.,LTD |
| Pattern name | LINGLONG:ETD100 SHANLING: ETD100 LEAO: ETD100 Infinity: ETD100 BENCHMARK: ETD100 BARKLEY:BL831 GREEN MAX:GRD802 CROSSWIND:CWD10E SUMO FIRENZA:DRIVUS-D HUBTRAC:HIGHWAY D11 315/70R22.5 154/50L(152/148M) |
| Tyre Size Market | EU/US |
| Pitch number Pitch ratio | 60 1.00 |
| Void volume [%] Width: main grooves [mm] Depth: center groove [mm] Depth: shoulder groove [mm] | 13.29 6 17 17 |
| Pattern |  |

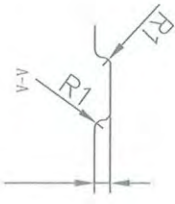
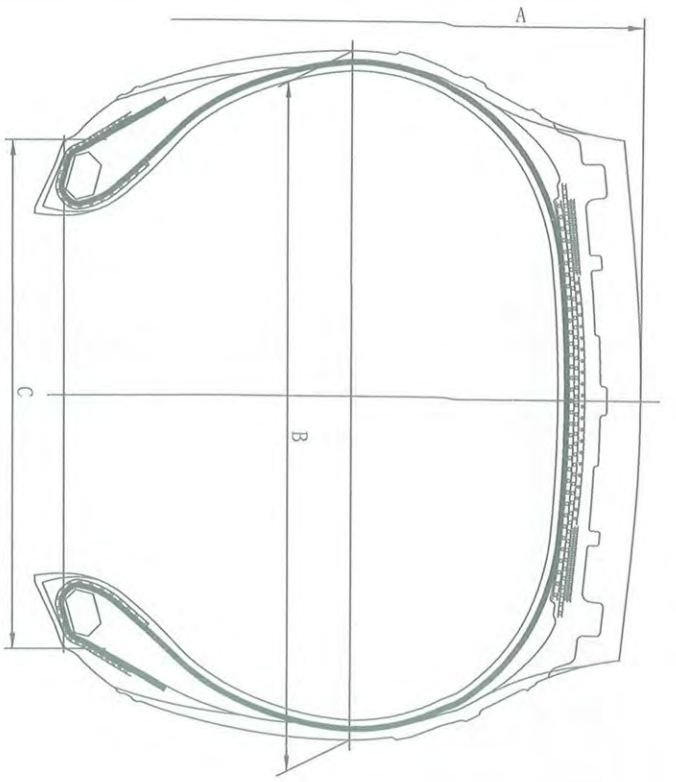
SHANDONG LINGLONG TYRE CO., LTD.

Information folder No.: QG2020-022

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Drawing of the tread pattern (for measured tyre)

| | |
|-----------------------------|--|
| Manufacturer name | LLIT(THAILAND) CO.,LTD |
| Pattern name | LINGLONG:ETD100 SHANLING: ETD100 LEAO: ETD100 Infinity: ETD100 BENCHMARK: ETD100 BARKLEY:BL831 GREEN MAX:GRD802 CROSSWIND:CWD10E SUMO FIRENZA:DRIVUS-D <u>HUBTRAC:HIGHWAY D11</u> |
| Tyre Size | 295/60R22.5 150/147L |
| Market | EU/US |
| Pitch number | 60 |
| Pitch ratio | 1.00 |
| Void volume [%] | 13.41 |
| Width: main grooves [mm] | 6 |
| Depth: center groove [mm] | 16.5 |
| Depth: shoulder groove [mm] | 16.5 |
| Pattern | |



TREAD PATTERNS

REFER TO ATTACHMENT NO. QG2020-022



66006002A3

AVIPI

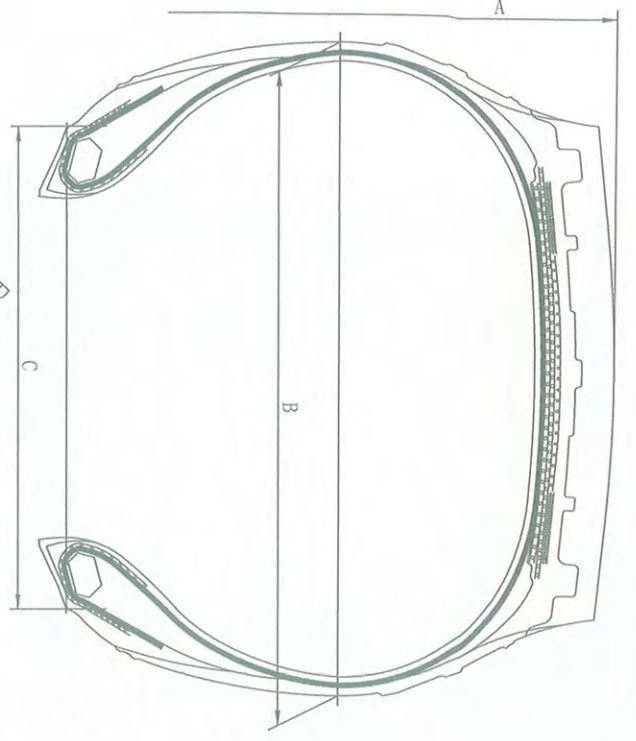
| | | | | | | |
|----|--|--|--|--|------|------------|
| 18 | | | | | | |
| 17 | TRACTION | | | | | |
| 16 | RADIAL TUBELESS | | | | | |
| 15 | BRAND TYRE HERE | | | | | |
| 14 | M+S | | | | | |
| 13 | ***** (PRODUCTION DATE) | | | | | |
| 12 | 16PR P.LIERS: 1 STEEL, TREAD 1 STEEL, +3 STEEL MAX LOAD: SINGLE 3750 kg (8265 lbs) AT 900 kPa (130 psi) COLD MAX LOAD: DUAL 3350 kg (7385 lbs) AT 900 kPa (130 psi) COLD | | | | LR H | |
| 11 | REGROOVABLE | | | | | |
| 10 | REFER TO ATTACHMENT NO. QG2020-022 | | | | | |
| 9 | ***** (MOLD NUMBER) | | | | | |
| 8 | <u>E4</u> 0041180 | | | | | |
| 7 | 154/150L <u>152M</u> AT 900 kPa <u>148</u> | | | | | |
| 6 | DOT | | | | | |
| 5 | RIM 9.00 | | | | | |
| 4 | 315/70R22.5 | | | | | |
| 3 | WARNING:... | | | | | |
| 2 | MADE IN THAILAND | | | | | |
| 1 | REFER TO ATTACHMENT NO. QG2020-022 | | | | | |
| | LOWER MOLD | | | | | UPPER MOLD |

| | | | | | | |
|-------------|-----------------------------------|--------------|------|--------|--------|--------|
| 315/70R22.5 | 154/150 <u>152M</u> <u>148</u> | L <u>M</u> | TL | 1014 | 312 | 228.5 |
| TYRE SIZE | LOAD INDEX | SPEED SYMBOL | TYPE | A (mm) | B (mm) | C (mm) |

Approve by:

Check by: 张艳

Draft by: 杨梅



TREAD PATTERNS

REFER TO ATTACHMENT NO. QG2020-022



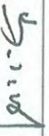
LOWER MOLD




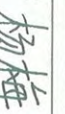
UPPER MOLD

| | | | | | | | | | |
|----|--|--|--|--|--|--|--|--|--|
| 19 | TRACTION | | | | | | | | |
| 18 |  HL | | | | | | | | |
| 17 | RADIAL TUBELESS | | | | | | | | |
| 16 | BRAND TYRE HERE | | | | | | | | |
| 15 | M+S | | | | | | | | |
| 14 | **** (PRODUCTION DATE) | | | | | | | | |
| 13 | PIES: 1 STEEL TREAD 1 STEEL+3 STEEL | | | | | | | | |
| 12 | 18PR MAX LOAD: SINGLE 4000 kg (8820 lbs) AT 900 kPa (130 psi) COLD LR. J | | | | | | | | |
| 11 | MAX LOAD: DUAL 3350 kg (7385 lbs) AT 900 kPa (130 psi) COLD | | | | | | | | |
| 10 | REGROOVABLE | | | | | | | | |
| 9 | REFER TO ATTACHMENT NO. QG2020-022 | | | | | | | | |
| 8 | ***** (MOLD NUMBER) | | | | | | | | |
| 7 | E4 0041180 | | | | | | | | |
| 6 | 156/150L ¹⁵⁴ / ₁₅₀ AT 900 kPa | | | | | | | | |
| 5 | DOT | | | | | | | | |
| 4 | RIM 9.00 | | | | | | | | |
| 3 | 315/70R22.5 | | | | | | | | |
| 2 | WARNING:... | | | | | | | | |
| 1 | MADE IN THAILAND | | | | | | | | |
| | REFER TO ATTACHMENT NO. QG2020-022 | | | | | | | | |
| | LOWER MOLD | | | | | | | | |
| | UPPER MOLD | | | | | | | | |

| | | | | | | |
|-------------|---|----------------|------|--------|--------|--------|
| 315/70R22.5 | 156/150 ¹⁵⁴ / ₁₅₀ | L ^M | TL | 1014 | 312 | 228.5 |
| TYRE SIZE | LOAD INDEX | SPEED SYMBOL | TYPE | A (mm) | B (mm) | C (mm) |

Approve by: 

Check by: 

Draft by: 

REPORT No. CV20090099**UN REGULATION No. 117R02/10 RELATED TO ROLLING SOUND EMISSIONS, ADHESION ON WET SURFACES AND ROLLING RESISTANCE**

Approval number : E4*117R02/10*10077*03
Approved performances : S2WR2

Applicant : LLIT (THAILAND) CO., LTD.
911/9 Moo 5, Khaokhansong, Sriracha,
Chonburi 20110, Thailand

Manufacturer : LLIT (THAILAND) CO., LTD.
911/9 Moo 5, Khaokhansong, Sriracha,
Chonburi 20110, Thailand

Tyre class : C3

Category of use : Snow (for use in severe snow conditions)

Traction tyre : Yes

Brand name / Trade mark : LINGLONG, SHANLING, LEO, Infinity, BARKLEY,
BENCHMARK, CROSSWIND, GREEN MAX, SUMO
FIRENZA, HUBTRAC

Trade description/ Commercial name : ETD100, BL831, GRD802, CWD10E, DRIVUS-D,
HIGHWAY D11

Place and date of issue : L'Albornar, Santa Oliva (Tarragona), 03/09/2020

CONCLUSIONS: The tested samples of the family FULFIL the technical prescriptions with regard to “rolling sound emissions level” and/or “adhesion performance on wet surfaces” and/or “rolling resistance” and/or “snow performance” pursuant to UN REGULATION No. 117R02/10. The modifications introduced in this family, as detailed in page 2 of this report, are considered reason for extension of the type approval CV18080435. The characteristics of the tested samples are detailed in the annexes to the test report.

Performed by:

Nuria Vendrell Ravetllat
HOMOLOGATION ENGINEER

Revised by:

Ignacio Lafuente Buil
DEPARTMENT MANAGER

REPORT No. CV20090099**SUMMARY**

1. Dimensions included in the type of tyre : See Manufacturer's technical documentation attached
2. Tyre sizes selected for testing
 - 2.1. Tyre size tested for rolling sound emissions : 315/60R22.5 152/148L (widest section width)
See first type approval report, Test report CT117-A0-180026, TÜV Nord Mobilität, 27/10/2017
 - 2.2. Tyre size tested for adhesion on wet surfaces: 315/60R22.5 154/150L (meets extra 10%)
See first type approval report, Test report CT117-A0-180027, TÜV Nord Mobilität, 28/03/2017
 - 2.3. Tyre tested for rolling resistance : 295/60R22.5 150/147L (lowest load index)
See first type approval report, Test report CT117-A0-180025, TÜV Nord Mobilität, 10/03/2017
 - 2.4. Tyre tested for snow performance : 295/60R22.5 150/147L (narrowest section width)
See Annex 1, Test report TW-TL18-LL116-E117SP C1, TEST WORLD, 25/06/2018
3. Reason(s) of extension (if applicable) :
 - Addition of new brand names
 - Addition of new trade descriptions
 - Update from supplement 09 to supplement 10
4. List of Annexes to this report
 - 4.1. Annex 1: Test report according to snow performance.
 - 4.2. Annex: Manufacturer's technical documentation.

Place and date of issue: L'Albornar, Santa Oliva (Tarragona), 03/09/2020



Nuria Vendrell Ravetllat
HOMOLOGATION ENGINEER

ANNEX 1

Measurements concerning:

Tyre snow performance according to acceleration method of UN / ECE Regulation No. 117

Candidate tyre

Make (trade name of manufacturer): LINGLONG
 Trade description(s): GREEN-VAN ETD100
 Size description(s): 295/60R22.5 150/147L
 Load Index: 150
 DOT: 1YC L1RTLL 1018
 Tyre classification: C3

Standard reference tyre

Description: ASTM-F2870
 Size: 315/70R22.5 154/150L
 Load Index: 154
 DOT: HAKP 00T X 4315

Customer: Shandong Linglong Tire Co, Ltd
 No. 777, Jinlong Road
 Zhaoyuan City
 Shandong
 China

| | |
|--|-------------|
| Measured snow index value relative to SRTT: | 2.03 |
|--|-------------|

Statement of compliance

The measurements HAVE SHOWN the compliance of the candidate described in this Test Report with the requirements according to the UN / ECE Regulation No.117 including supplement 9 to the 02 series of amendments.

The measurements were carried out in accordance with the SFS-EN ISO/IEC 17025.

Ivalo, September 23rd 2020



Jukka Antila
 Technical Director



Markus Hilli
 Manager - Type Approval Services

Index of Test Report

Measurements pages 1-2
 Annex A: Pictures of candidate..... 1 page

Internet link for checking valid scopes for Test World Oy: <http://www.testworld.fi/scopes>

This Test Report may only be reproduced in full, except with the prior written permission by the issuing Laboratory.

TEST REPORT

TW-TL18-LL116-E117SP C1

page 2(3)

Measurements

1. Date of test: 25.6.2018
2. Test track: Test World Ltd., Mellatracks
Indoor 1
- 2.1 Test track conditions

| | At the start of test | At the end of test |
|---------------------|----------------------|--------------------|
| Weather | | |
| Ambient temperature | -7.2 °C | -7.1 °C |
| Snow temperature | -7.7 °C | -7.7 °C |
| CTI index | 84.3 | |

Requirements: Ambient -2 .. -15 °C, Snow -4..-15 °C, CTI 80..90

3. Test vehicle: Ford F250 Regularcab 5.4L 6-speed Manual 2009
VIN: 1FTNF20599EB16406

- 4.3 Test tyre data:

| | | Test SRTT - Candidate | | | |
|-----------------|-------------------|-----------------------|--------------------|----------------------|--------------------|
| | | SRTT | | Candidate | |
| Tyre dimensions | | 315/70R22.5 154/150L | | 295/60R22.5 150/147L | |
| Test rim size | | 9.00H22.5 | | 9.0x22.5 | |
| Tyre loads rear | kg % | L: 905 kg 24 % | R: 912 kg 24 % | L: 905 kg 27 % | R: 912 kg 27 % |
| Tyre pressure | nominal actual | 9.0 bar 6.3 bar | 9.0 bar 6.3 bar | 9.0 bar 6.3 bar | 9.0 bar 6.3 bar |

Requirements: load 20-55%, pressure 70% of nominal

5. Test results, average acceleration [m/s^2] (AA):

Initial speed: 10 km/h
End speed: 25 km/h

Test sequence: R1-T1-R2
Candidate: T1

| | R1 | | Candidate | | R2 | |
|-----|------|--------|-----------|--------|------|--------|
| | AA | slip % | AA | slip % | AA | slip % |
| 1st | 0.81 | 35 % | 1.65 | 27 % | 0.82 | 38 % |
| 2nd | 0.81 | 37 % | 1.63 | 29 % | 0.81 | 39 % |
| 3rd | 0.81 | 35 % | 1.62 | 35 % | 0.80 | 38 % |
| 4th | 0.81 | 39 % | 1.61 | 31 % | 0.78 | 35 % |
| 5th | 0.81 | 35 % | 1.60 | 30 % | 0.77 | 38 % |
| 6th | 0.79 | 36 % | 1.59 | 33 % | 0.75 | 39 % |

| | | | |
|---------------|-------|-------|-------|
| Mean | 0.81 | 1.62 | 0.79 |
| Std-deviation | 0.01 | 0.02 | 0.02 |
| CV [%] | 0.9 % | 1.3 % | 3.0 % |

wa(SRTT) 0.80
SRTT validation -2.4 %

Snow Index = 2.03

Requirements: CV less than 6%, SRTT validation less than 6%, slip 10-40%



Tread pattern of candidate

Used Instruments:

| | | |
|--------------|------------------|------------------------|
| Temperature: | Fluke 52-II | ser: 31550028WS |
| Speed: | VBox 3i | ser: 055004 |
| Weight: | Dini Arego | ser: 0100140252B1...B4 |
| Pressure: | Wika DG10 | ser: TW-IPM024 |
| CTI: | CTI Penetrometer | ser: TW-PM003 |