



(1)

E9*117R02/12*1268*00

Página / Page 1/3

Relativa a / Concerning:

- homologación de tipo / *APPROVAL GRANTED* ⁽²⁾
- ~~extensión de homologación de tipo / *APPROVAL EXTENDED* ⁽²⁾~~
- ~~denegación de homologación de tipo / *APPROVAL REFUSED* ⁽²⁾~~
- ~~retirada de homologación de tipo / *APPROVAL WITHDRAWN* ⁽²⁾~~
- ~~producción definitivamente abandonada / *production definitively discontinued* ⁽²⁾~~

de un tipo de neumático en lo que se refiere al “nivel de emisión de ruido de rodadura” y/o a la “adherencia en superficie mojada” y/o a la “resistencia a la rodadura”, en virtud al Reglamento No 117. / *of a type of tyre with regard to “rolling sound emission level” and/or adhesion on wet surfaces” and/or “rolling resistance” pursuant to Regulation No. 117.*

Número de homologación de tipo / *Approval No* ⁽³⁾: **E9*117R02/12*1268*00**

Nº de extensión / *Extension No.*: **00**

Sufijos / *Suffixes* ⁽⁴⁾: **02S2WR2**

- | | | |
|------|--|--|
| 1. | Nombre y dirección del fabricante /
<i>Manufacturer's name and address</i> | : LLIT (THAILAND) CO., LTD.
911/9 Moo 5, Khaokhansong, Sriracha, Chonburi
20110, Thailand |
| 2. | Nombre y dirección del representante del fabricante /
<i>Manufacturer's representative name and address</i> | : N/A |
| 3. | Clase de neumático /
<i>Tyre Class</i> | : C3 |
| 4. | Categoría de uso del tipo de neumático /
<i>Category of use of the type of tyre</i> | : normal / nieve / especial ⁽²⁾
normal / snow / special ⁽²⁾ |
| 4.1. | Neumático de nieve para uso en condiciones severas / <i>Snow tyre for use in severe snow conditions</i> | : Sí / Yes |
| 4.2. | Neumático de tracción / <i>Traction tyre</i> | : Si / Yes |
| 5. | Estructura del neumático / <i>Tyre structure</i> | : radial |
| 6. | Designación de tipo de neumático / <i>Tyre type designation</i> | : KTD300 |
| 6.1. | Marca(s) / <i>Brand name(s)/Trademark(s)</i> | : LINGLONG; SHANLING; LEAO; Infinity;
BARKLEY; BENCHMARK; CROSSWIND;
GREEN MAX; TECHKING; TOMKET;
HUBTRAC |

⁽¹⁾ Distinguiendo el número del país que ha otorgado/extendido/rechazado/retirado la homologación (ver disposiciones de homologación en el Reglamento) / *Distinguishing number of the country which has granted/extended/refused/withdrawn approval (see approval provisions in the Regulation).*

⁽²⁾ Táchese lo que no proceda / *Strike out what does not apply*

⁽³⁾ De acuerdo al Calendario 4 de la Revisión 3 del acuerdo de 1958. / *According to Schedule 4 to Revision 3 of the 1958 Agreement.*

⁽⁴⁾ De acuerdo a los párrafos 5.2.2. y 5.3.1.2 de este Reglamento / *According to paragraphs 5.2.2. and 5.3.1.2. of this Regulation.*

⁽⁵⁾ Apéndice 2 para neumáticos C1 y C2, Apéndice 3 para neumáticos C3. / *Appendix 2 for C1 and C2 tyres, Appendix 3 for C3 tyres.*

⁽⁶⁾ En el caso de “neumático de nieve para uso en condiciones severas” se deberá añadir un informe de ensayo de acuerdo al Apéndice 2 del Anexo 7. / *In the case of “snow tyre for use in severe snow conditions” a test report according to Appendix 2 to Annex 7 shall be submitted*





(1)

E9*117R02/12*1268*00

Página / Page 2/ 3

- 6.2. Denominación(es) comercial(es)/ Trade description(s)/Commercial name(s) of the type of tyre : KTD300; BL833; GRD806; CWD30K; TASK DH; TOMKET TD2; REGIONAL D11
7. Servicio técnico autorizado a efectos de homologación o comprobación de los ensayos de conformidad/ Technical service approved for purposes of approval or of verification of conformity tests : IDIADA
8. Prestaciones homologadas: nivel de ruido en (fase 1/fase 2), nivel de adherencia en superficie mojada, nivel de resistencia a la rodadura (fase 1/fase 2) ⁽²⁾ / Performances approved: sound level at (stage 1/stage 2), wet adhesion level, rolling resistance level (stage 1/stage 2) ⁽²⁾
- 8.1. Nivel de emisión de ruido de la medida representativa de neumático, de acuerdo al punto 7. del informe de ensayo en el Apéndice 1 del Anexo 3: 75 dB(A) a la velocidad de referencia de 70/80 km/h ⁽²⁾ / Sound level of the representative tyre size, see paragraph 2.7. of this Regulation, as per item 7. of the test report in Appendix 1 to Annex 3: 75 dB(A) at reference speed of 70/80 km/h ⁽²⁾
- 8.2. Nivel de adherencia en superficie mojada de la medida representativa de neumático, ver párrafo 2.7. de este Reglamento, de acuerdo al punto 7. del informe de ensayo del apéndice al Anexo 5: 1,16 (G) mediante el método de vehículo o de remolque ⁽²⁾ / Wet adhesion level of the representative tyre size, see paragraph 2.7. of this Regulation, as per item 7. of the test report in the appendix to Annex 5: 1.16 (G) using the vehicle or trailer ⁽²⁾ method
- 8.3. Nivel de resistencia a la rodadura de la medida representativa de neumático, ver párrafo 2.7. de este Reglamento, de acuerdo al punto 7. del informe de ensayo en el Apéndice 1 del Anexo 6: 6,39 N/kN / Rolling resistance level of the representative tyre size, see paragraph 2.7. of this Regulation, as per item 7. of the test report in Appendix 1 to Annex 6: 6.39 N/kN
- 8.4. Nivel de adherencia sobre nieve de la medida representativa de neumático, ver párrafo 2.7. del Reglamento Num. 117, de acuerdo al punto 7. del informe de ensayo en el apéndice 3 del Anexo 7: 2,10 (Índice de adherencia en nieve) usando el método de frenado sobre nieve, método de tracción giratoria o método de aceleración ⁽²⁾ / Snow grip level of the representative tyre size, see paragraph 2.7. of Regulation No. 117, as per item 7. of the test report in the appendix 3 to Annex 7: 2.10 (Snow grip index) using the brake-on-snow method, spin traction method or acceleration method ⁽²⁾
9. Número de informe emitido por el Servicio Técnico / Number of report issued by the Technical Service : CN21010161
10. Fecha del informe emitido por este Servicio / Date of report issued by that service : 22/04/2021
11. Motivo(s) de la extensión (en su caso) / Reason(s) of extension (if applicable) : N/A

⁽¹⁾ Distinguiendo el número del país que ha otorgado/extendido/rechazado/retirado la homologación (ver disposiciones de homologación en el Reglamento) / Distinguishing number of the country which has granted/extended/refused/withdrawn approval (see approval provisions in the Regulation).

⁽²⁾ Táchese lo que no proceda / Strike out what does not apply

⁽³⁾ De acuerdo al Calendario 4 de la Revisión 3 del acuerdo de 1958. / According to Schedule 4 to Revision 3 of the 1958 Agreement.

⁽⁴⁾ De acuerdo a los párrafos 5.2.2. y 5.3.1.2 de este Reglamento / According to paragraphs 5.2.2. and 5.3.1.2. of this Regulation.

⁽⁵⁾ Apéndice 2 para neumáticos C1 y C2, Apéndice 3 para neumáticos C3. / Appendix 2 for C1 and C2 tyres, Appendix 3 for C3 tyres.

⁽⁶⁾ En el caso de "neumático de nieve para uso en condiciones severas" se deberá añadir un informe de ensayo de acuerdo al Apéndice 2 del Anexo 7. / In the case of "snow tyre for use in severe snow conditions" a test report according to Appendix 2 to Annex 7 shall be submitted





(1)

E9*117R02/12*1268*00

Página / Page 3/ 3

12. Observaciones / : N/A
Any remarks
13. Lugar / : Madrid
Place
14. Fecha/ : Ver firma electrónica /
Date See electronic signature
15. Firma / Signature: EL SUBDIRECTOR GENERAL DE CALIDAD Y SEGURIDAD INDUSTRIAL
Resolución P.D. del DIRECTOR GENERAL DE INDUSTRIA Y DE LA PYME de 25-10-2012
16. Se adjunta a la presente notificación /*Annexed to this communication are:*
- 16.1 La lista de documentos que figuran en el expediente de homologación depositado en la Autoridad de homologación de Tipo y que podrá obtenerse previa petición ⁽⁵⁾ / *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⁾*
- 16.2 Una lista de designaciones de las medidas de neumático: se especifica para cada marca y/o cada descripción comercial la lista de medidas de neumático, añadiendo para los neumáticos de clase C1 si son "Reinforced" o "Extra Load" o no. / *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 and Service descriptions, adding in case of Class C1 tyres whether "reinforced" (or "extra load") or not.*

⁽¹⁾ Distinguiendo el número del país que ha otorgado/extendido/rechazado/retirado la homologación (ver disposiciones de homologación en el Reglamento) / *Distinguishing number of the country which has granted/extended/refused/withdrawn approval (see approval provisions in the Regulation).*

⁽²⁾ Táchese lo que no proceda / *Strike out what does not apply*

⁽³⁾ De acuerdo al Calendario 4 de la Revisión 3 del acuerdo de 1958. / *According to Schedule 4 to Revision 3 of the 1958 Agreement.*

⁽⁴⁾ De acuerdo a los párrafos 5.2.2. y 5.3.1.2 de este Reglamento / *According to paragraphs 5.2.2. and 5.3.1.2. of this Regulation.*

⁽⁵⁾ Apéndice 2 para neumáticos C1 y C2, Apéndice 3 para neumáticos C3. / *Appendix 2 for C1 and C2 tyres, Appendix 3 for C3 tyres.*

⁽⁶⁾ En el caso de "neumático de nieve para uso en condiciones severas" se deberá añadir un informe de ensayo de acuerdo al Apéndice 2 del Anexo 7. / *In the case of "snow tyre for use in severe snow conditions" a test report according to Appendix 2 to Annex 7 shall be submitted*





INFORME/REPORT N° CN21010161

REGLAMENTO CEPE/ONU 117R02 REFERENTE A EMISIÓN DE RUIDO A LA RODADURA, ADHERENCIA EN MOJADO Y RESISTENCIA A LA RODADURA *UN/ECE REGULATION 117R02 RELATED TO ROLLING SOUND EMISSIONS, ADHESION ON WET SURFACES AND ROLLING RESISTANCE*

Solicitante / <i>Applicant</i>	: LLIT (THAILAND) CO., LTD. 911/9 Moo 5, Khaokhansong, Sriracha, Chonburi 20110, Thailand
Fabricante / <i>Manufacturer</i>	: LLIT (THAILAND) CO., LTD. 911/9 Moo 5, Khaokhansong, Sriracha, Chonburi 20110, Thailand
Clase del neumático / <i>Tyre Class</i>	: C3
Categoría de uso / <i>Category of use</i>	: Nieve (en condiciones severas) / <i>Snow (for use in severe snow conditions)</i>
Neumático de tracción / <i>Traction tyre</i>	: Sí / Yes
Designación de tipo de neumático / <i>Tyre type designation</i>	: KTD300
Marca / <i>Brand name</i>	: LINGLONG; SHANLING; LEAO; Infinity; BARKLEY; BENCHMARK; CROSSWIND; GREEN MAX; TECHKING; TOMKET; HUBTRAC
Nombre comercial / <i>Commercial name</i>	: KTD300; BL833; GRD806; CWD30K; TASK DH; TOMKET TD2; REGIONAL D11
Lugar y fecha de emisión del informe / <i>Place and date of issue</i>	: L'Albornar, Santa Oliva (Tarragona), 22/04/2021

CONCLUSIONES: La muestra ensayada de la familia CUMPLE con las prescripciones referentes a “emisión de ruido a la rodadura” y/o “adherencia en superficie mojada” y/o “resistencia a la rodadura” y/o “prestaciones en nieve” según el REGLAMENTO CEPE/ONU 117R02. Las características de las muestras ensayadas están detalladas en los anexos de este informe.

CONCLUSIONS: The tested samples of the family FULFIL the technical prescriptions with regard to “rolling sound emissions level” and/or “adhesion on wet surfaces” and/or “rolling resistance” and/or “snow performance” pursuant to UN/ECE REGULATION 117R02. The characteristics of the tested samples are detailed in the annexes to the test report.

Realizado por / *Performed by:*

V.B°. / *Revised by:*



Mingjun Wu
HOMOLOGATION ENGINEER



Josep Masip Gomez
DEPARTMENT MANAGER

- * LOS ENSAYOS HAN SIDO REALIZADOS POR IDIADA AUTOMOTIVE TECHNOLOGY, S.A. LABORATORIO ACREDITADO POR ENAC CON ACREDITACIÓN N° 35/LE159. / *THE TESTS HAVE BEEN CARRIED OUT BY IDIADA AUTOMOTIVE TECHNOLOGY, S.A. LABORATORY ACCREDITED BY ENAC WITH NUMBER OF ACCREDITATION 35/LE159.*
- * LOS RESULTADOS PRESENTADOS SE REFIEREN UNICAMENTE A LA MUESTRA ENSAYADA. / *THE RESULTS PRESENTED REFER TO THE TESTED SAMPLE ONLY.*
- * QUEDA TERMINANTEMENTE PROHIBIDA LA REPRODUCCION PARCIAL DE ESTE INFORME SIN PERMISO EXPRESO DE IDIADA. / *THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN.*
- * EL LABORATORIO HA CALCULADO LA INCERTIDUMBRE DE MEDIDA ASOCIADA A LOS RESULTADOS. / *MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY.*



INFORME/REPORT N° CN21010154

RESUMEN/ SUMMARY

1. Dimensiones incluidas en el tipo del neumático /
Dimensions included in the type of tyre : Ver anexo Documentación técnica
: *See annex Technical documentation*
2. Medidas de neumático seleccionadas para ensayo / *Tyre sizes selected for testing*
 - 2.1. Emisión de ruido a la rodadura / *Rolling sound emissions* : 315/60R22.5 152/148L (mayor ancho de sección / *widest section width*).
Ver Anexo 1, Informe CT117-A0-180023, TÜV NORD, 26/05/2017
See Annex 1, Test report CT117-A0-180023, TÜV NORD, 26/05/2017
 - 2.2. Adherencia en superficie mojada / *Adhesion on wet surfaces*: 315/70R22.5 154/150L(152/148M) (cumple extra 10% / *meets extra 10%*).
Ver Anexo 2, Informe CT117-A0-180024, TÜV NORD, 27/09/2018
See Annex 2, Test report CT117-A0-180024, TÜV NORD, 27/09/2018
 - 2.3. Resistencia a la rodadura / *Rolling resistance* : 295/60R22.5 150/147L (menor índice de carga, / *lowest load index*)
Ver Anexo 3, Informe CT117-A0-180022, TÜV NORD, 12/09/2017
See Annex 3, Test report CT117-A0-180022, TÜV NORD, 12/09/2017
 - 2.4. Prestaciones en nieve / *Snow performance* : 295/80R22.5 152/148M (menor ancho de sección / *narrowest section width*)
Ver Anexo 4, Informe TW-TL18-LL105-E117SP C1, Test World, 18/06/2018
See Annex 4, Test report TW-TL18-LL105-E117SP C1, Test World, 18/06/2018
3. Razones para la extension (si aplica) / *Reason(s) of extension (if applicable)*
 - N/A
4. Lista de Anexos a este informe / *List of Annexes to this report*:
 - 4.1. Anexo 1/ *Annex 1*: Informe referente a emisión de ruido a la rodadura / *Test report according to rolling sound emission level*.
 - 4.2. Anexo 2/ *Annex 2*: Informe referente a adherencia en superficie mojada / *Test report according to adhesion on wet surfaces*.
 - 4.3. Anexo 3 /*Annex 3*: Informe referente a resistencia a la rodadura / *Test report according to rolling resistance*.
 - 4.4. Anexo 4 /*Annex 4*: Informe referente a prestaciones en nieve / *Test report according to snow performance*
 - 4.5. Anexo: Documentación técnica del fabricante / *Manufacturer's technical documentation*.

Lugar y fecha de emisión del informe /
Place and date of issue

L'Albornar, Santa Oliva (Tarragona), 22/04/2021



Mingjun Wu
HOMOLOGATION ENGINEER

* LOS ENSAYOS HAN SIDO REALIZADOS POR IDIADA AUTOMOTIVE TECHNOLOGY, S.A. LABORATORIO ACREDITADO POR ENAC CON ACREDITACIÓN N° 35/LE159. / *THE TESTS HAVE BEEN CARRIED OUT BY IDIADA AUTOMOTIVE TECHNOLOGY, S.A. LABORATORY ACCREDITED BY ENAC WITH NUMBER OF ACCREDITATION 35/LE159.*

* LOS RESULTADOS PRESENTADOS SE REFIEREN ÚNICAMENTE A LA MUESTRA ENSAYADA. / *THE RESULTS PRESENTED REFER TO THE TESTED SAMPLE ONLY.*

* QUEDA TERMINANTEMENTE PROHIBIDA LA REPRODUCCION PARCIAL DE ESTE INFORME SIN PERMISO EXPRESO DE IDIADA. / *THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN.*

* EL LABORATORIO HA CALCULADO LA INCERTIDUMBRE DE MEDIDA ASOCIADA A LOS RESULTADOS. / *MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY.*



ANNEX 1

Test Report

No.:

CT117-A0-180023

Page:

1 / 7

Customer:

LLIT(THAILAND) CO.,LTD

Tyresize / -type:

315/60R22.5/KTD300

TÜV NORD
Mobilität



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

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IDIADA CN21010161

Test Report

No.: CT117-A0-180023
Page: 2 / 7
Customer: LLIT(THAILAND) CO.,LTD
Tyresize / -type: 315/60R22.5/KTD300



Test Report/Prüfbericht (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, Schönscheidtstr. 28, 45307 Essen
2. Name and address of applicant : LLIT(THAILAND) CO.,LTD
911/9Moo5, Khaokhansong,
Sriracha,Chonburi 20110,
Thailand
3. Test report No. : CT117-A0-180023
4. Manufacturer and Brand Name or Trade description : LINGLONG
5. Tyre Class (C1, C2 or C3) : Class C3
6. Category of use : Snow/Traction
7. Sound level according to paras. 4.4. and 4.5. of Annex 3 of:
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 75 dB(A) /70 km/h
8. Tire/Road Noise level according to paras. 6.1.1.
through paras 6.1.3. of ECE R 117 and paras.4.2.1
through 4.2.3 of Annex V of the Directive 92/23 EC
at reference speed of 70-~~or~~80km/h Limit value expressed in dB(A)
according to Regulation & Directive
C3 Normal 73 or 92/23/EEC
** (XL) means for ECE R117.02
9. Comments (if any) :
10. Date of test report : Apr 03, 2018

Test Report

No.: CT117-A0-180023
Page: 3 / 7
Customer: LLIT(THAILAND) CO.,LTD
Tyresize / -type: 315/60R22.5/KTD300



Part2-Test data

1. Date of test: : May 26 2017
2. Test vehicle (Make, model, year, modifications, etc.) : Jianghuai Dragon
VIN: LGAG3DV28D2809664
2.1. Test vehicle wheelbase : 3750 mm
3. Location of test track : Dingyuan Ground for highway and
Traffic Fangang town,Dingyuan
District,233210,Anhui,P.R. China
3.1 Date of track certification to ISO 10844:2011 : June 02, 2016
3.2. Issued by : China Department of Transportation
Highway Inspection Center
3.3. Method of certification : Residual void content, Sound
absorption coefficient, Texture depth
4. Tyre test details
4.1. Tyre size designation/DOT Number : 315/60R22.5/3616
4.2. Tyre service description : Snow/traction
Load Index : 152/148
Speed Category : L
4.3. Reference inflation pressure : 900kPa
Reference load: 3550kg
4.4. Test data

	Front left	Front right	Rear left	Rear right
Test mass (kg)	2545	2545	2785	2785
Tyre load index (%)	71.7	71.7	78.4	78.4
Inflation pressure (cold) (kPa)	640	640	720	720

- 4.5. Test rim width code :9.00X22.5
4.6. Temperature measurement sensor type : FLUKE-62

Test Report

No.:

Page:

Customer:

Tyresize / -type:

CT117-A0-180023

4 / 7

LLIT(THAILAND) CO.,LTD

315/60R22.5/KTD300

TÜV NORD



5. Valid Test results:

Run No.	1	2	3	4	5	6	7	8
Test Speed km/h	62.2	63.8	66.0	67.9	71.7	73.9	76.2	78.1
Direction of run	One direction	One direction	One direction	One direction	One direction	One direction	One direction	One direction
Sound level left measured dB(A)	75.3	75.5	75.7	76.3	77.0	77.4	78.1	78.4
Sound level right measured dB(A)	74.9	75.2	76.0	76.5	77.1	77.7	77.9	78.8
Air temp. °C	34.5	34.7	34.9	34.5	34.6	35.2	35.3	35.1
Track temp. °C	38.7	39.2	39.9	39.3	39.6	40.1	40.5	40.2
Sound level left 2/temp. corrected dB(A)	---	---	---	---	---	---	---	---
Sound level right 2/temp. corrected dB(A)	---	---	---	---	---	---	---	---
Comments	---	---	---	---	---	---	---	---

5.1. Regression line slope : $a = 34.72$

5.2. Sound level after temperature correction according to para.4.3 of Annex 3 of ECE R117 and para. 4.3 of Annex V appendix 1 of the Directive 92/23 : 76.8 dB(A)

5.3. The final result of sound level according to para.4.4. of annex 3 of ECE R117 and para. 4. 4 of Annex V appendix 1 of the Directive 92/23 : 75.8 dB(A)

Test Report

No.:

CT117-A0-180023

Page:

5 / 7

Customer:

LLIT(THAILAND) CO.,LTD

Tyresize / -type:

315/60R22.5/KTD300



Used test equipment

Description	Require accuracy	Registration number
Vehicle speed	±0.1%	LC-5200 VBOX-III
Temperature	±1.5% -30~500°C (-20~9320F)	RH2010-2-591180 FLUKE-62
Tyre pressure	60.0~106.0KPa / ±2KPa	DPH-102
Wind speed	0.4m/S	DEM6
Scale	±1KG	GT-16
Noise level meter	0.1dB	B&K2238

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Test Report

No.:

CT117-A0-180023

Page:

6 / 7

Customer:

LLIT(THAILAND) CO.,LTD

Tyresize / -type:

315/60R22.5/KTD300

TÜV NORD



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 4.

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

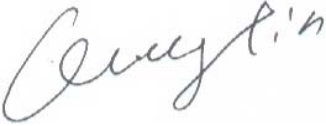
TÜV NORD Mobilität GmbH & Co. KG

IFM - Institut für Fahrzeugtechnik und Mobilität,
Schönscheidtstr. 28, 45307 Essen

Designated Technical Service
RDW No. RDWT-T04

Tianjin, China

2018-4-3

 Wang Xin Assessor, Automotive Homologation	
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Test Report

No.:

CT117-A0-180023

Page:

7 / 7

Customer:

LLIT(THAILAND) CO.,LTD

Tyresize / -type:

315/60R22.5/KTD300

TÜV NORD

Mobilität



List of modifications

Appendix 1

More details for application of : Date :

Correction of : -

Modification of : -

Addition of : -

Deletion of : -

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ANNEX 2

Test Report

No.:

CT117-A0-180024

Page:

1 / 6

Customer:

LLIT(THAILAND) CO.,LTD

Tyresize / -type:

315/70R22.5/KTD300

TÜV NORD
Mobilität



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

Validate this report with the security code «5KQRAFLV» at: <https://extranet.idiada.com/hom-cve>

IDIADA CN21010161

Test Report

No.: CT117-A0-180024
Page: 2 / 6
Customer: LLIT(THAILAND) CO.,LTD
Tyresize / -type: 315/70R22.5/KTD300



Test Report/Prüfbericht (ECE-R117)

Inspection report regarding the wet grip(adhesion on wet surfaces) of a tyre in accordance with Annex6 of the ECE Regulation no. 117-02 up to and including supplement 8, test method(a) vehicle method

Part1-Report

- | | |
|---|---|
| 1. Type approval authority or Technical Service : | TÜV NORD Mobilität GmbH & Co. KG - Institut für Fahrzeugtechnik und Mobilität, Schönscheidtstr. 28, 45307 Essen |
| 2. Name and address of applicant : | LLIT(THAILAND) CO.,LTD
911/9Moo5, Khaokhansong, Sriracha,Chonburi 20110, Thailand |
| 3. Test report No. : | CT117-A0-180024 |
| 4. Manufacturer and Brand Name or Trade description : | LINGLONG |
| 5. Tyre Class (C1, C2 or C3) : | Class C3 |
| 6. Category of use : | Snow/traction |
| 7.Adhesion coefficient on wet surfaces relative to SRTT according to paragraphs 2.1.2.15 or 2.2.2.15: | 1.16 |
| 8. Comments (if any) : | |
| 9. Date of test report : | Apr 12, 2018 |

Validate this report with the security code «5KQRAFLV» at: <https://extranet.idiada.com/hom-cve>

IDIADA CN21010161

Test Report

No.: CT117-A0-180024
Page: 3 / 6
Customer: LLIT(THAILAND) CO.,LTD
Tyresize / -type: 315/70R22.5/KTD300



Part2-Test data

1. Date of test: : Sep 27, 2016
2. Test vehicle (Make, model, year, modifications, etc.) : JIANGHUI
VIN: LJ13RBBD3GA0021
- 2.1 Vehicle equipment Configuration : Configuration 1
3. Location of test track : Dingyuan Ground for highway and
Traffic Fangang town,Dingyuan
District,233210,Anhui,P.R. China
- 3.1 Test track characteristics: June 05, 2016
- 3.2. Issued by : TÜV NORD Mobilität GmbH & Co. KG
IFM - Institut für Fahrzeugtechnik und
Mobilität,Schönscheidtstr.28,45307 Essen
- 3.3. Method of certification : BPN/ASTM E965
- 3.4 BPN(between 40 to 60): 50.74
- 3.5 Texture depth (mm): 0.78
- 3.6 Water depth (mm): between 0.5 to 2.0
4. Tyre test details
- 4.1. Tyre size designation/DOT Number : 315/70R22.5/3616
- 4.2. Tyre service description : Snow/traction
Load Index : 154/150
Speed Category : L
- 4.3. Reference inflation pressure : 900kPa
Reference load: 3750kg

4.4. Test data

Tyre	SRTT (before)	Candidate	SRTT (after)	Control
Front axle pressure (kPa)	645	655	645	/
Rear axle pressure (kPa)	710	715	710	/
Front axle load (kg)	2880	2880	2880	/
Rear axle load (kg)	3100	3100	3100	/
Water depth(mm) (from 0.5 to 1.5mm)	1.3	1.4	1.3	/
Ambient temp (°C)	30.6	31.0	31.4	/
Wetted track temperature average (C°)	28.0	27.6	28.0	/

- 4.5. Test rim width code :9.00X22.5
- 4.6. Temperature measurement sensor type : FLUKE-62
- 4.7 identification of the SRTT: HAKP OOTX 3014

Test Report

No.:

Page:

Customer:

Tyresize / -type:

CT117-A0-180024

4 / 6

LLIT(THAILAND) CO.,LTD

315/70R22.5/KTD300


TUV NORD
 Mobilität


5. Valid Test results:

5.1 Standard vehicle procedure:

5.2 Configuration C1: candidate tyres on both axles:

Wet Grip Index= BFC (T) / BFC (R)

Run No.	Test speed	Direction	SRTT(before)		Candidate (No 3 of 3)		SRTT(after)	
			315/70R22.5		315/70R22.5		315/70R22.5	
			Distance (m)	Mfdd(m/s ²)	Distance (m)	Mfdd(m/s ²)	Distance (m)	Mfdd(m/s ²)
1	67-63	E-W	31.27	3.95	26.62	4.638	31.25	3.95
2	67-63	E-W	30.85	4.00	25.93	4.761	30.73	4.02
3	67-63	E-W	30.01	4.11	26.02	4.745	30.58	4.04
4	67-63	E-W	/	/	27.24	4.532	/	/
5	67-63	E-W	/	/	27.32	4.519	/	/
6	67-63	E-W	/	/	26.85	4.598	/	/
Average AD(m/s ²)			30.71	4.02	30.71	4.02	30.85	4.00
Standard deviation(m/s ²)			0.642	0.08	0.642	0.08	0.352	0.05
Validation of results Coefficient of variation(<3%) Total coefficient of variation SRTT(<3%)			2.10%		2.22%		1.13%	
Adjusted average AD ref. tyre: Ra(m/s ²)					4.01			
BFC (R)					0.408			
BFC (T)					0.472			
Wet grip index(G)					1.156			

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CN21010161

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Test Report

No.:

CT117-A0-180024

Page:

5 / 6

Customer:

LLIT(THAILAND) CO.,LTD

Tyresize / -type:

315/70R22.5/KTD300

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 4.

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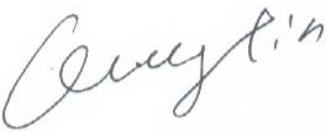
TÜV NORD Mobilität GmbH & Co. KG

IFM - Institut für Fahrzeugtechnik und Mobilität,
Schönscheidtstr. 28, 45307 Essen

Designated Technical Service
RDW No. RDWT-T04

Tianjin, China

2018-4-12

 Wang Xin Assessor, Automotive Homologation	
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Test Report

No.:

CT117-A0-180024

Page:

6 / 6

Customer:

LLIT(THAILAND) CO.,LTD

Tyresize / -type:

315/70R22.5/KTD300



List of modifications

Appendix	1
----------	---

More details for application of

: Date

:

Correction of

: -

Modification of

: -

Addition of

: -

Deletion of

: -

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ANNEX 3

Test Report

No.:

CT117-A0-180022

Page:

1 / 5

Customer:

LLIT(THAILAND) CO.,LTD

Tyresize / -type:

295/60R22.5/KTD300

TÜV NORD
Mobilität



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

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IDIADA CN21010161

Test Report

No.: CT117-A0-180022
Page: 2 / 5
Customer: LLIT(THAILAND) CO.,LTD
Tyresize / -type: 295/60R22.5/KTD300

TÜV NORD
Mobilität



Test Report/Prüfbericht (ECE-R117)

Inspection report regarding the tyre rolling resistance in accordance with ECE Regulation no. 117-02 up to and including supplement 8.

Part1-Report

- | | |
|--|--|
| 1. Type approval authority or Technical Service : | TÜV NORD Mobilität GmbH & Co.
KG - Institut für Fahrzeugtechnik
und Mobilität, Schönscheidtstr. 28,
45307 Essen |
| 2. Name and address of applicant : | LLIT(THAILAND) CO.,LTD
911/9Moo5, Khaokhansong,
Sriracha,Chonburi 20110,
Thailand |
| 3. Test report No. : | CT117-A0-180022 |
| 4. Manufacturer and Brand Name or Trade description : | LINGLONG |
| 5. Tyre Class (C1, C2 or C3) : | Class C3 |
| 6. Category of use : | Snow |
| 7. Rolling resistance coefficient
(temperature and drum diameter corrected) | 6.39 |
| 8. Comments (if any) : | - |
| 9. Date of test report : | Apr 03, 2018 |

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IDIADA CN21010161

Test Report

No.: CT117-A0-180022
Page: 3 / 5
Customer: LLIT(THAILAND) CO.,LTD
Tyresize / -type: 295/60R22.5/KTD300



Part2-Test data

1. Date of test: : Sep 12, 2017
2. Test machine identification and drum diameter/surface : 18649-1,1.7m,smooth steel
3. Test tyre details
 - 3.1. Tyre size designation : 295/60R22.5
Load Index : 150/147
Speed Category : L
 - 3.2. Tyre brand and trade description : LINGLONG
 - 3.3. Reference inflation pressure : 900kPa
4. Test data
 - 4.1 Measurement method : Torque method
 - 4.2 Test speed : 80.0km/h
 - 4.3. Test load : 27929N
4.3.1 Input torque at 85% load 173.3N.M
 - 4.4. Test inflation pressure initial: 900kpa
 - 4.5 Distance from the tyre axis to the drum outer surface under steady state condititions 435.0mm
 - 4.6 Test rim: 9.00X22.5
 - 4.7 Ambient temperature: 24.7C°
 - 4.8 Skim test load(except deceleration method): 521N
 - 4.9 Input torque(T_i): 18.3N.M
5. Rolling resistance coefficient
 - 5.1 initial value: 6.51
5.1.1 initial value after 2.0M drum correction: 6.40
 - 5.2 Temperature corrected N/KN: -0.01
 - 5.3 Temperature and drum diameter corrected: 6.39

Test Report

No.:

CT117-A0-180022

Page:

4 / 5

Customer:

LLIT(THAILAND) CO.,LTD

Tyresize / -type:

295/60R22.5/KTD300

TÜV NORD
Mobilität



Statement of conformity

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IFM - Institut für Fahrzeugtechnik und Mobilität,
Schönscheidtstr. 28, 45307 Essen
Designated Technical Service
RDW No. RDWT-T04

Tianjin, China
2018-4-3

 Wang Xin Assessor, Automotive Homologation	
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Test Report

No.:

CT117-A0-180022

Page:

5 / 5

Customer:

LLIT(THAILAND) CO.,LTD

Tyresize / -type:

295/60R22.5/KTD300



List of modifications

Appendix	1
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More details for application of : Date :

Correction of : -

Modification of : -

Addition of : -

Deletion of : -

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ANNEX 4



TEST REPORT

TW-TL18-LL105-E117SP C1

page 1(3)

Measurements concerning:

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

Candidate tyre

Make (trade name of manufacturer): LEAO
Trade description(s): MULTI-ROAD KTD300
Size description(s): 295/80R22.5 152/148 M
Load Index: 152
DOT: 1YC F1RTLL 0118
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:	2.10
--	-------------

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>

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TEST REPORT

TW-TL18-LL105-E117SP C1

page 2(3)

Measurements

1. Date of test: 18.6.2018
2. Test track: Test World Ltd., Mellatracks Indoor1
- 2.1 Test track conditions

	At the start of test	At the end of test
Weather		
Ambient temperature	-8.4 °C	-8.2 °C
Snow temperature	-9.0 °C	-9.0 °C
CTI index	84.1	

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			295/80R22.5 152/148 M	
Test rim size	9.00H22.5			9.0x22.5	
Tyre loads rear	kg	L: 907 kg	R: 915 kg	L: 907 kg	R: 915 kg
	%	24 %	24 %	26 %	26 %
Tyre pressure	nominal	9.0 bar	9.0 bar	8.5 bar	8.5 bar
	actual	6.3 bar	6.3 bar	6.0 bar	6.0 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-T2-R2
Candidate: T1

	R1		Candidate		R2	
	AA	slip %	AA	slip %	AA	slip %
1st	0.80	30 %	1.58	26 %	0.74	32 %
2nd	0.74	33 %	1.57	14 %	0.72	36 %
3rd	0.73	34 %	1.52	28 %	0.71	35 %
4th	0.72	35 %	1.50	26 %	0.70	34 %
5th	0.72	34 %	1.50	23 %	0.70	34 %
6th	0.71	33 %	1.49	25 %	0.69	37 %
Mean	0.74		1.53		0.71	
Std-deviation	0.03		0.04		0.02	
CV [%]	4.2 %		2.4 %		2.2 %	

wa(SRTT) 0.73
SRTT validation -3.8 %

Snow Index = 2.10

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



TEST REPORT

TW-TL18-LL105-E117SP C1

Annex A Page 3(3)



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

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TECHNICAL DOCUMENTATION

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

: 911/9 Moo 5, Khaokhansong
Sriracha, Chonburi 20110,
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) to be used for particular tyre type-approval requested

: Brand name:
LINGLONG; SHANLING; LEAO; Infinity;
BENCHMARK; BARKLEY; GRENN MAX;
CROSSWIND; TECHKING; TOMKET; HUBTRAC
: Trade description :
KTD300; BL833; GRD806; CWD30K; TASK DH;
TOMKET TD2; REGIONAL D11
: KTD300

1.6. Tyre type designation

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.

: see attached drawing of tread pattern

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

MANUFACTURER'S STAMP

Signature:

.....
.....

Name: ...Ma Xiaogang...

THIS APPLICATION IS ACCOMPANIED BY:

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

: KTD300; BL833; GRD806; CWD30K;
TASK DH; TOMKET TD2; REGIONAL D11

Tyre size	Approval No.	Limit dB(A)	Wet grip index(G)	Limit RRC(N/Kn)
295/60R22.5 150/147L	E9-006051	76	≥ 0.715	≤ 7.5
295/80R22.5 152/148M	E9-006052	76	≥ 0.715	≤ 7.5
295/80R22.5 154/149L	E9-006054	76	≥ 0.715	≤ 7.5
315/60R22.5 152/148L	E9-006058	76	≥ 0.715	≤ 7.5
315/70R22.5 156/150L(154/150M)	E9-006059	76	≥ 0.715	≤ 7.5
315/70R22.5 154/150L(152/148M)	E9-006060	76	≥ 0.715	≤ 7.5
315/80R22.5 154/150M	E9-006063	76	≥ 0.715	≤ 7.5
315/80R22.5 156/150L(154/150M)	E9-006066	76	≥ 0.715	≤ 7.5

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:

Lowest load index

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

Because of :

The representative tyre for rolling sound emission can be used for the wet grip test and approved, if the measured value is ten percent (10%) or more above the prescribed value of the regulation.

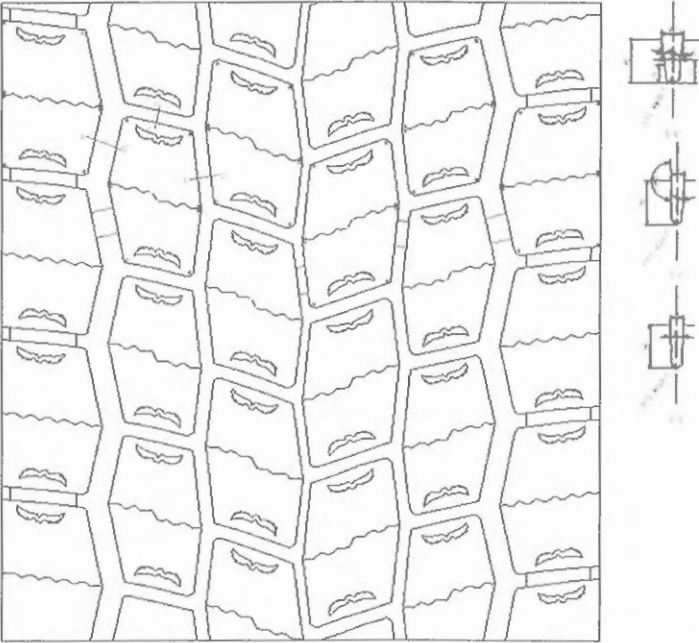
Peak snowflake test size:

295/80R22.5 152/148M

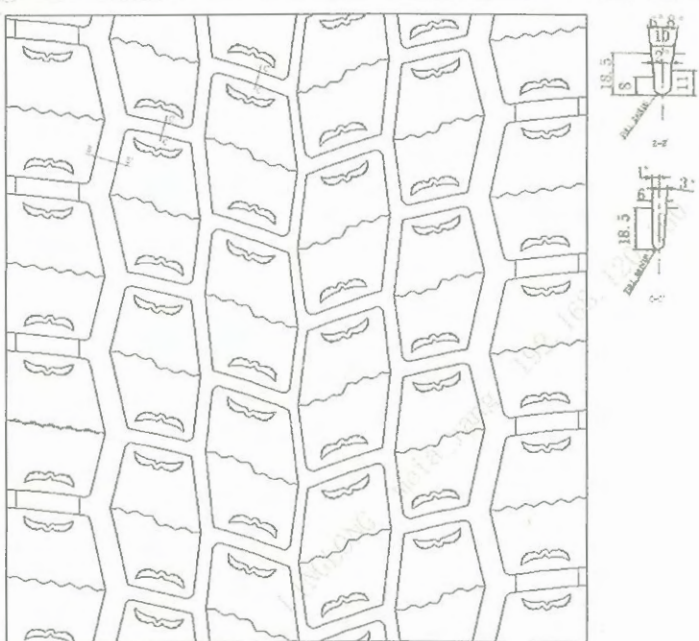
Because of :

The smallest nominal section width.

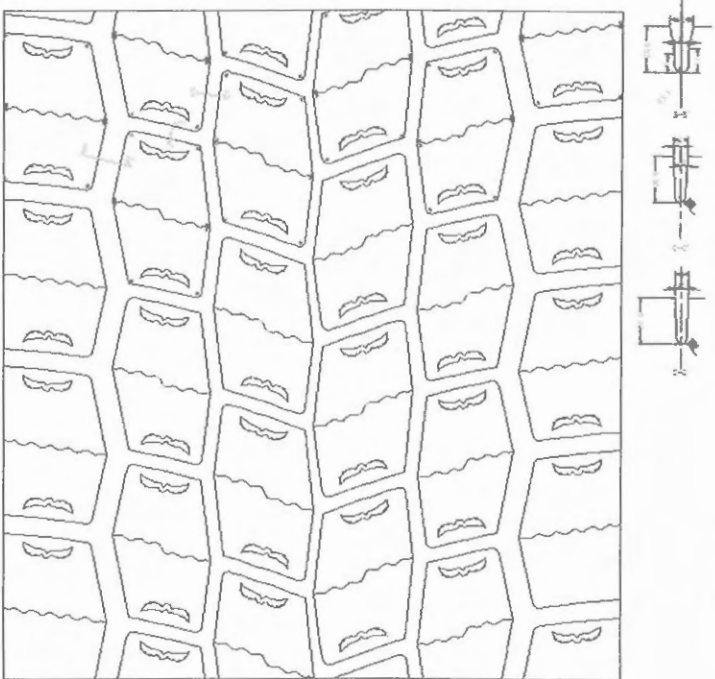
Drawing of the tread pattern (for measured tyre)

Manufacturer name	LLIT(THAILAND) CO.,LTD.
Pattern name	LINGLONG:KTD300 SHANLING: KTD300 LEAO: KTD300 Infinity: KTD300 BENCHMARK: KTD300 BARKLEY:BL833 GREEN MAX:GRD806 CROSSWIND:CWD30K TECHKING:TASK DH TOMKET: TOMKET TD2 HUBTRAC: REGIONAL D11
Tyre Size	315/60R22.5 152/148L
Market	EU/US
Pitch number	41
Pitch ratio	1.00
Void volume [%]	20.04
Width: main grooves [mm]	10
Depth: center groove [mm]	20
Depth: shoulder groove [mm]	20
Pattern	

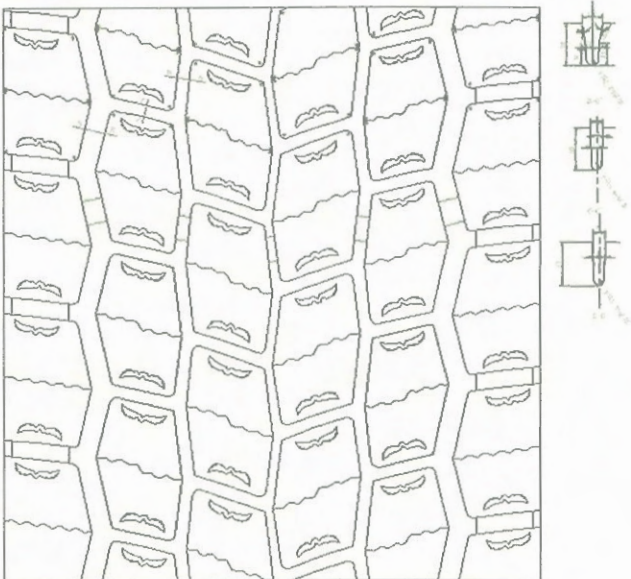
Drawing of the tread pattern (for measured tyre)

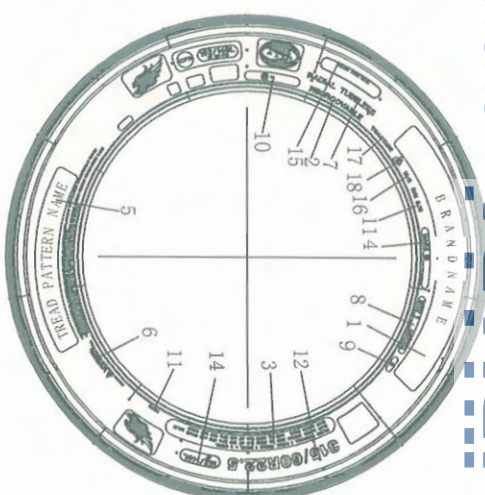
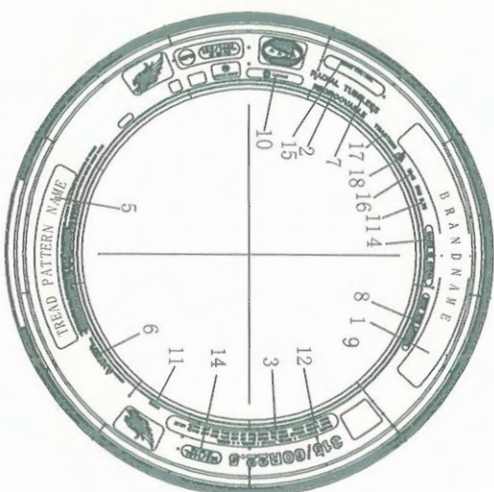
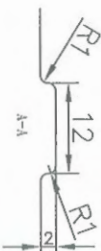
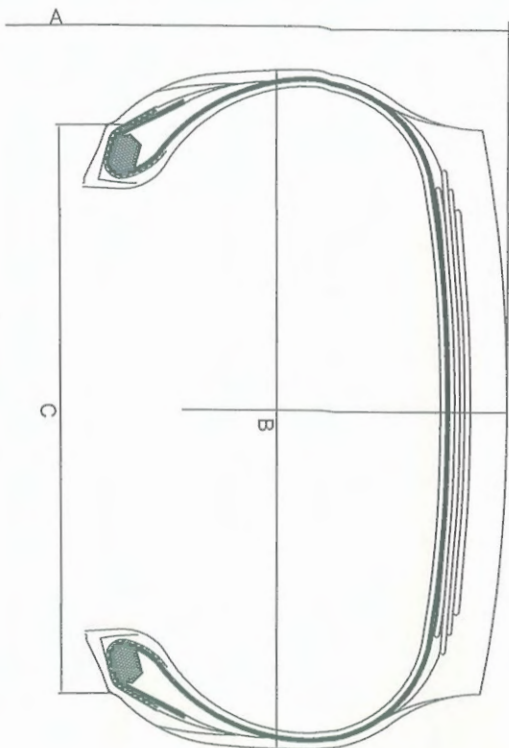
Manufacturer name	LLIT(THAILAND) CO.,LTD.
Pattern name	LINGLONG:KTD300 SHANLING: KTD300 LEAO: KTD300 Infinity: KTD300 BENCHMARK: KTD300 BARKLEY:BL833 GREEN MAX:GRD806 CROSSWIND:CWD30K TECHKING:TASK DH TOMKET: TOMKET TD2 HUBTRAC: REGIONAL D11
Tyre Size	295/60R22.5 150/147L
Market	EU
Pitch number	42
Pitch ratio	1.00
Void volume [%]	22.08
Width: main grooves [mm]	10
Depth: center groove [mm]	18.5
Depth: shoulder groove [mm]	18.5
Pattern	

Drawing of the tread pattern (for measured tyre)

Manufacturer name	LLIT(THAILAND) CO.,LTD.
Pattern name	LINGLONG:KTD300 SHANLING: KTD300 LEAO: KTD300 Infinity: KTD300 BENCHMARK: KTD300 BARKLEY:BL833 GREEN MAX:GRD806 CROSSWIND:CWD30K TECHKING:TASK DH TOMKET: TOMKET TD2 HUBTRAC: REGIONAL D11
Tyre Size	315/70R22.5 154/150L(152/148M)
Market	EU/US
Pitch number	43
Pitch ratio	1.00
Void volume [%]	20.81
Width: main grooves [mm]	10
Depth: center groove [mm]	20.6
Depth: shoulder groove[mm]	20.6
Pattern	

Drawing of the tread pattern (for measured tyre)

Manufacturer name	LLIT(THAILAND) CO.,LTD.		
Pattern name	LINGLONG:KTD300 SHANLING: KTD300 LEAO: KTD300 Infinity: KTD300 BENCHMARK: KTD300 BARKLEY:BL833 GREEN MAX:GRD806 CROSSWIND:CWD30K TECHKING:TASK DH TOMKET: TOMKET TD2 HUBTRAC: REGIONAL D11		
Tyre Size	295/80R22.5 152/148M		
Market	EU/US		
Pitch number	47		
Pitch ratio	1.00		
Void volume	[%]	21.72	
Width: main grooves	[mm]	10	
Depth: center groove	[mm]	21	
Depth: shoulder groove	[mm]	21	
Pattern			



TREAD PATTERNS

REFER TO ATTACHMENT NO. QG2021-013

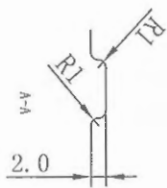
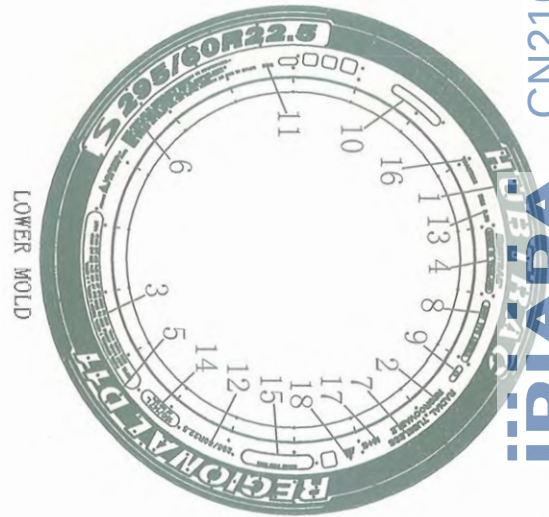
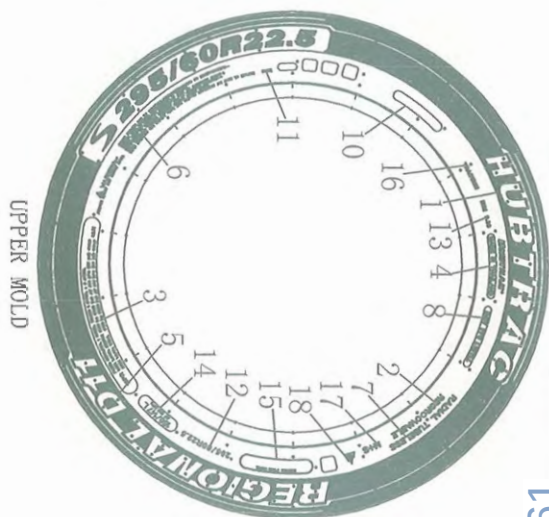
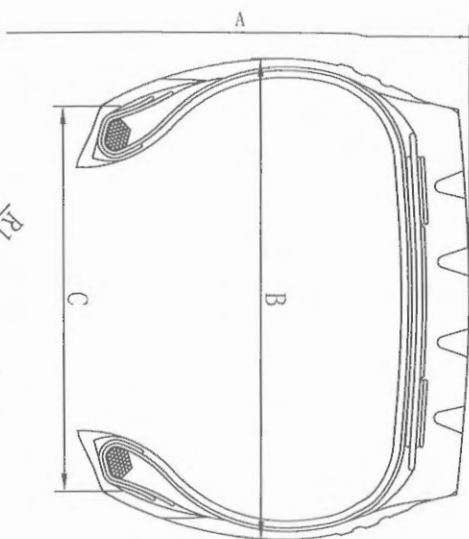
18	A		
17	TRACTION		
16	M+S		
15	BRAND TYRE HERE		
14	152/148 L AT 900 kPa		
13	RIM 9.75		
12	315/60R22.5		
11	*** (MOLD NUMBER)		
10	(E9) 006058		
9	**** (PRODUCTION DATE)		
8	DOT.....		
7	RADIAL TUBELESS		
6	WARNING.....		
5	REFER TO ATTACHMENT NO. QG2021-013		
4	MADE IN THAILAND		
3	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+4 STEEL		
2	MAX LOAD: SINGLE 3550 kg (7825 lbs) AT 900 kPa (130 psi) COLD L.R.H		
1	MAX LOAD: DUAL 3150 kg (6945 lbs) AT 900 kPa (130 psi) COLD		
REGROOVABLE			
REFER TO ATTACHMENT NO. QG2021-013			
UPPER MOLD		LOWER MOLD	

315/60R22.5	152/148	L	TL	950	313	247.5
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

Approve by:

Check by:

Draft by:



TREAD PATTERNS

REFER TO ATTACHMENT NO. QG2021-013

18	▲				
17	M+S				
16	TRACTION				
15	BRAND TYRE HERE				
14	150/147 L AT 900 kPa				
13	RIM 9.00				
12	295/60R22.5				
11	**** (MOLD NUMBER)				
10	Ⓔ9 006051				
9			**** (PRODUCTION DATE)		
8	DOT.....				
7	RADIAL TUBELESS				
6	WARNING.....				
5	REFER TO ATTACHMENT NO. QG2021-013				
4	MADE IN THAILAND				
3	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL + 3 STEEL MAX LOAD: SINGLE 3350 kg (7385 lbs) AT 900 kPa (130 psi) COLD LR. H MAX LOAD: DUAL 3075 kg (6780 lbs) AT 900 kPa (130 psi) COLD				
2	REGROOVABLE				
1	REFER TO ATTACHMENT NO. QG2021-013				
	UPPER MOLD		LOWER MOLD		

295/60R22.5	150/147	L	TL	926	292	228.5
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

Approve by:

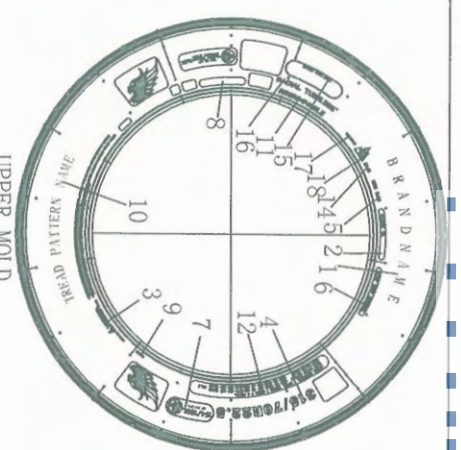
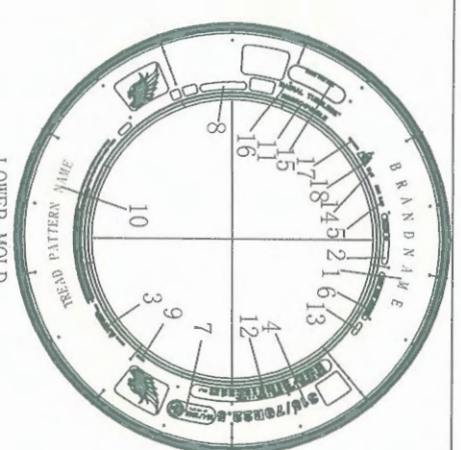
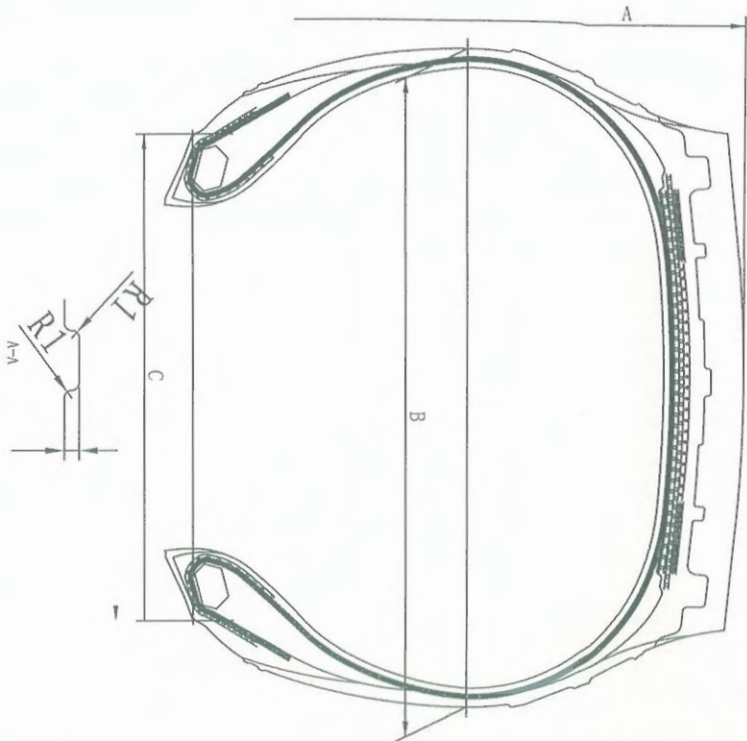
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Check by:

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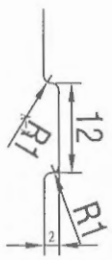
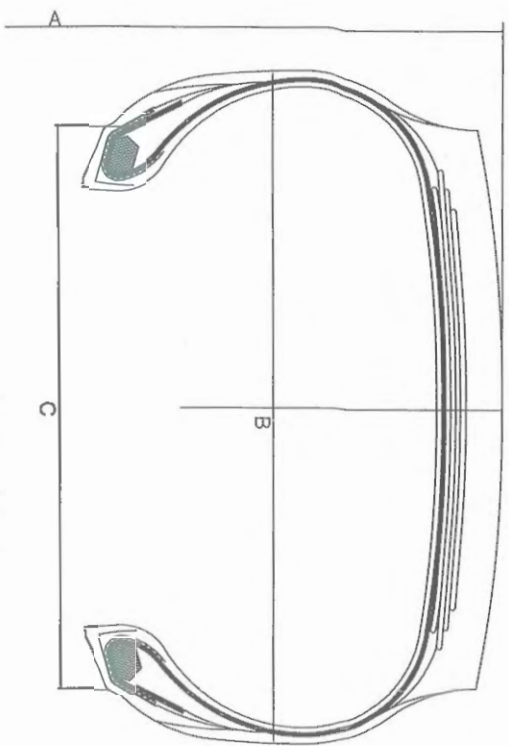
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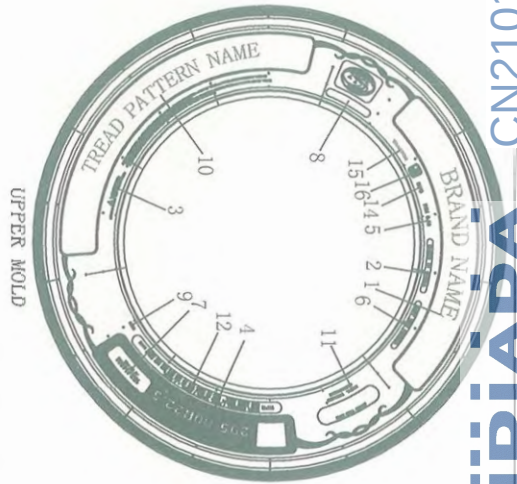
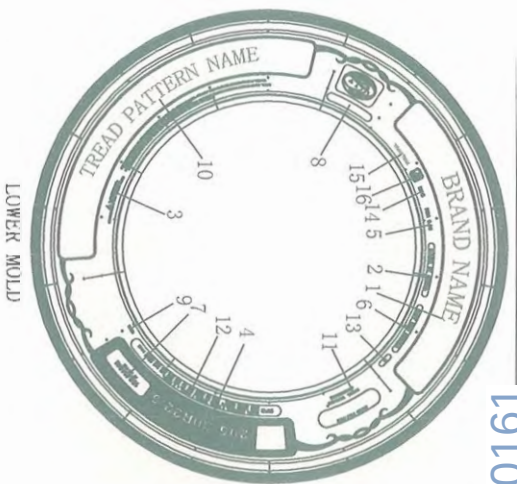
18	▲	
17	TRACTION	
16	RADIAL TUBELESS	
15	BRAND TYRE HERE	
14	M+S	
13	**** (PRODUCTION DATE)	
12	PLIES: 1 STEEL TREAD 1 STEEL+3 STEEL MAX LOAD: SINGLE 3730 kg (8265 lbs) AT 900 kPa (130 psi) COLD L.R.H MAX LOAD: DUAL 3350 kg (7385 lbs) AT 900 kPa (130 psi) COLD	
11	REGROOVABLE	
10	REFER TO ATTACHMENT NO. QG2021-013	
9	**** (MOLD NUMBER)	
8	Ⓔ9) 006060	
7	154/150L $\left(\frac{152}{148}\right)$ M AT 900 kPa	
6	DOT	
5	RIM 9.00	
4	315/70R22.5	
3	WARNING:...	
2	MADE IN THAILAND	
1	REFER TO ATTACHMENT NO. QG2021-013	
	LOWER MOLD	UPPER MOLD

TREAD PATTERNS
REFER TO ATTACHMENT NO. QG2021-013

315/70R22.5	154/150 $\left(\frac{152}{148}\right)$ M	LM	TL	1014	312	228.5
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)



TREAD PATTERNS
REFER TO ATTACHMENT NO. QG2021-013



16	A			
15	TRACTION			
14	M+S			
13	**** (PRODUCTION DATE)			
12	16PR PILES: SIDEWALL 1 STEEL TREAD 1 STEEL + 4 STEEL MAX LOAD: SINGLE 3550 kg (7825 lbs) AT 850 kPa (123 psi) COLD LR. II MAX LOAD: DUAL 3150 kg (6945 lbs) AT 850 kPa (123 psi) COLD			
11	REGROOVABLE RADIAL TUBELESS			
10	REFER TO ATTACHMENT NO. QG2021-013			
9	**** (MOLD NUMBER)			
8	E9 006052			
7	152/148 M AT 850 kPa			
6	DOT ...			
5	RIM 9.00			
4	295/80R22.5			
3	WARNING:...			
2	MADE IN THAILAND			
1	REFER TO ATTACHMENT NO. QG2021-013			
LOWER MOLD		UPPER MOLD		

295/80R22.5	152/148	M	TL	1044	298	228.5
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

Approve by: 2-1-16

Check by: 张艳

Draft by: 杨梅