



(1)

E9\*117R02/12\*1267\*00

Página / Page 1/3

Relativa a / Concerning:

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- retirada de homologación de tipo / *APPROVAL WITHDRAWN* 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

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* <sup>(3)</sup>: **E9\*117R02/12\*1267\*00**

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

Sufijos / *Suffixes* <sup>(4)</sup>: **02S2WR2**

- |      |  |  |
|------|--|--|
| 1.   | Nombre y dirección del fabricante /<br><i>Manufacturer's name and address</i>                                  | : LLIT (THAILAND) CO., LTD.<br>911/9 Moo 5, Khaokhansong, Sriracha, Chonburi<br>20110, Thailand                                  |
| 2.   | Nombre y dirección del representante del fabricante /<br><i>Manufacturer's representative name and address</i> | : N/A  |
| 3.   | Clase de neumático /<br><i>Tyre Class</i>  | : C3   |
| 4.   | Categoría de uso del tipo de neumático /<br><i>Category of use of the type of tyre</i>                         | : <del>normal</del> / nieve / <del>especial</del> <sup>(2)</sup><br><del>normal</del> / snow / <del>special</del> <sup>(2)</sup> |
| 4.1. | Neumático de nieve para uso en condiciones severas / <i>Snow<br/>tyre for use in severe snow conditions</i>    | : Sí / <i>Yes</i>  |
| 4.2. | Neumático de tracción / <i>Traction tyre</i>   | : No / <i>No</i>   |
| 5.   | Estructura del neumático / <i>Tyre structure</i>   | : radial   |
| 6.   | Designación de tipo de neumático / <i>Tyre type designation</i>  | : KTS300   |
| 6.1. | Marca(s) / <i>Brand name(s)/Trademark(s)</i>   | : LINGLONG; SHANLING; LEAO; Infinity;<br>BARKLEY; BENCHMARK; CROSSWIND;<br>GREEN MAX; TECHKING; TOMKET;<br>HUBTRAC               |

<sup>(1)</sup> 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).*

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

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

<sup>(4)</sup> 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.*

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

<sup>(6)</sup> 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\*1267\*00

Página / Page 2 / 3

- 6.2. Denominación(es) comercial(es)/ Trade description(s)/Commercial name(s) of the type of tyre : KTS300; BL223; GRD806; CWS30K; TASK ST; GRS806; TOMKET TF2; REGIONAL S11
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) <sup>(2)</sup> / Performances approved: sound level at (stage 1/stage 2), wet adhesion level, rolling resistance level (stage 1/stage 2) <sup>(2)</sup>
- 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: 69 dB(A) a la velocidad de referencia de 70/80 km/h <sup>(2)</sup> / 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: 69 dB(A) at reference speed of 70/80 km/h <sup>(2)</sup>
- 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: 1,05 (G) mediante el método de vehículo o de remolque <sup>(2)</sup> / 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: 1.05 (G) using the vehicle or trailer <sup>(2)</sup> 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: 6,74 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: 6.74 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: 1,25 (Índice de adherencia en nieve) usando el método de frenado sobre nieve, método de tracción giratoria o método de aceleración <sup>(2)</sup> / 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: 1.25 (Snow grip index) using the brake on snow method, spin traction method or acceleration method <sup>(2)</sup>
9. Número de informe emitido por el Servicio Técnico / Number of report issued by the Technical Service : CN21010160
10. Fecha del informe emitido por este Servicio / Date of report issued by that service : 17/05/2021
11. Motivo(s) de la extensión (en su caso) / Reason(s) of extension (if applicable) : N/A

<sup>(1)</sup> 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).

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

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

<sup>(4)</sup> 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.

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

<sup>(6)</sup> 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\*1267\*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 <sup>(5)</sup> / *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>(5)</sup>*
- 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.*

<sup>(1)</sup> 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).*

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

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

<sup>(4)</sup> 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.*

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

<sup>(6)</sup> 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° CN21010160****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 / *Applicant* : LLIT (THAILAND) CO., LTD.  
911/9 Moo 5, Khaokhansong, Sriracha, Chonburi  
20110, Thailand

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

Clase del neumático / *Tyre Class* : C3

Categoría de uso / *Category of use* : Nieve (en condiciones severas) / *Snow (for use in  
severe snow conditions)*

Neumático de tracción / *Traction tyre* : No / No

Designación de tipo de neumático /  
*Tyre type designation* : KTS300

Marca / *Brand name* : LINGLONG; SHANLING; LEAO; Infinity;  
BARKLEY; BENCHMARK; CROSSWIND; GREEN  
MAX; TECHKING; TOMKET; HUBTRAC

Nombre comercial / *Commercial name* : KTS300; BL223; GRD806; CWS30K; TASK ST;  
GRS806; TOMKET TF2; REGIONAL S11

Lugar y fecha de emisión del informe /  
*Place and date of issue* : L'Albornar, Santa Oliva (Tarragona), 17/05/2021

**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° CN21010160

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* : 385/55R22.5 160K(158L) (mayor ancho de sección / *widest section width*).  
Ver Anexo 1, Informe CV18080545, IDIADA, 18/07/2018  
*See Annex 1, Test report CV18080545, IDIADA, 18/07/2018*
  
  - 2.2. Adherencia en superficie mojada / *Adhesion on wet surfaces*: 385/65R22.5 164K(158L) (cumple extra 10% / *meets extra 10%*).  
Ver Anexo 2, Informe CT117-A0-180033, TÜV NORD, 27/10/2017  
*See Annex 2, Test report CT117-A0-180033, TÜV NORD, 27/10/2017*
  
  - 2.3. Resistencia a la rodadura / *Rolling resistance* : 11R22.5 148/145L (menor índice de carga, / *lowest load index*)  
Ver Anexo 3, Informe CN18080518, IDIADA, 26/08/2018  
*See Annex 3, Test report CN18080518, IDIADA, 26/08/2018*
  
  - 2.4. Prestaciones en nieve / *Snow performance* : 11R22.5 148/145L (menor ancho de sección / *narrowest section width*)  
Ver Anexo 4, Informe TW-TL18-LL114-E117SP, Test World, 19/06/2018  
*See Annex 4, Test report TW-TL18-LL114-E117SP, Test World, 19/06/2018*
  
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), 17/05/2021



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 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.*



ANNEX 1

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

**IDIADA** CN21010160

**IDIADA**

**REPORT N° CV18080545**

## UN/ECE REGULATION 117R02 RELATED TO ROLLING SOUND EMISSIONS

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

Traction tyre : No

Brand name / Trade mark : LINGLONG

Trade description/ Commercial name : KTS300

Tyre size : 385/55R22.5 160K (158L)

Place and date of issue : L'Albornar, Santa Oliva (Tarragona), 20/07/2018

CONCLUSIONS: The samples of the family have been tested according to the technical prescriptions with regard to "rolling sound emissions level" pursuant to UN/ECE REGULATION 117R02.

This report replaces the report No. CV18070299

The characteristics of the tested samples are detailed in the annex to the test report.

Performed by:

Alejandro Clara Requena  
HOMOLOGATION ENGINEER

Revised by:

Ignacio Lafuente Buil  
DEPARTMENT MANAGER



**ANNEX TO THE TEST REPORT**  
**ROLLING SOUND EMISSIONS, REPORT N° CV18080545**

**1. TEST DATA**

**1.1. Test tyre details**

1.1.1	Applicant	: LLIT(THAILAND)CO.,LTD. 911/9 Moo 5, Khaokhansong Sriracha, Chonburi 20110 Thailand
1.1.2	Manufacturer	: LLIT(THAILAND)CO.,LTD. 911/9 Moo 5, Khaokhansong Sriracha, Chonburi 20110 Thailand
1.1.3	Tyre class	: C3
1.1.4	Category of use	: Snow
1.1.5	Traction tyre	: No
1.1.6	Brand name / Trade mark	: LINGLONG
1.1.7	Trade description / Commercial name	: KTS300
1.1.8	Candidate tyre size (rear)	: 385/55R22.5 160K (158L)
1.1.9	Front tyre size	: 385/65R22.5 160K
1.1.10	Tyre structure	: Radial
1.1.11	Date code, other manufacturer markings	: 2418
1.1.12	Rear load index / Corresponding mass Q <sub>r</sub> [kg]	: 160 / 4,500
1.1.13	Front load index / Corresponding mass Q <sub>r</sub> [kg]	: 160 / 4,500
1.1.14	Rear reference inflation pressure P <sub>r</sub> [kPa]	: 900
1.1.15	Front reference inflation pressure P <sub>r</sub> [kPa]	: 900

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

CN21010160



\* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE.  
 \* THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN.  
 \* MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY.





1.1.16 Test inflation pressure  $P_t$  [kPa] :

	$P_t$ [kPa] admissible values
Front axle left wheel	$627.46 \leq 630.00 \leq 690.21$
Front axle right wheel	$599.21 \leq 600.00 \leq 659.13$
Rear axle left wheel	$640.98 \leq 645.00 \leq 705.08$
Rear axle right wheel	$626.76 \leq 630.00 \leq 689.44$

FULFILS / NOT FULFILS

1.1.17 Test tyre internal reference :

Front left	Front right
HVI-1606/115-1	HVI-1606/115-2

Rear left	Rear right
HVI-1807/129-3	HVI-1807/129-4

1.1.18 Rear Test rim : 11.75 x 22.5

1.1.19 Front Test rim : 11.75 x 22.5

1.1.20 Test rim internal reference :

Front left	Front right
HVI-1205/385	HVI-1205/386

Rear left	Rear right
HVI-1304/15	HVI-1304/16

1.1.21 Test tyre load [kg] :

	Load	$Q_t$ [N] / % $\frac{Q_t}{Q_r}$
Front axle left wheel	3,372	$50 < 74.93 < 90$
Front axle right wheel	3,250	$50 < 72.22 < 90$
Rear axle left wheel	3,430	$50 < 76.22 < 90$
Rear axle right wheel	3,369	$50 < 74.87 < 90$

FULFILS / NOT FULFILS

$Q_{t,avr}$ [N] / % $\frac{Q_{t,avr}}{Q_r}$
$70 \leq 74.56 \leq 80$

FULFILS / NOT FULFILS

\* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE.  
 \* THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN.  
 \* MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY.

**1.2. Test vehicle**

1.2.1	Trade name	: RENAULT
1.2.2	Model	: PREMIUM
1.2.3	Year	: 2005
1.2.4	Transmission	: Manual
1.2.5	Wheelbase [mm]	: 3,650

For Class C3 less than 5,000 mm.

FULFILS / NOT FULFILS

1.2.6	Vehicle internal reference	: HVI-1205/350
-------	----------------------------	----------------

**1.3. Test equipment**

1.3.1	Sound level meter 1	: 121738
1.3.2	Sound level meter 2	: 121739
1.3.3	Manometer	: 152060
1.3.4	Weight scale	: 01199
1.3.5	Track temperature measurement device	: 141537, 141537-5
1.3.6	Wind speed measurement device	: 163105
1.3.7	Speed measurement device	: 12626
1.3.8	Ambient temperature measurement device	: 10004, 141537-3



**2. TEST TRACK**

**2.1. Environment**

2.1.1 Air temperature  $T_a$  [°C] : 30.8  
 $5.0 < T_a < 40.0$

FULFILS / NOT FULFILS

2.1.2. Test surface temperature  $T_s$  [°C] : 47.9  
 $5.0 \leq T_s \leq 50.0$

FULFILS / NOT FULFILS

2.1.3 Wind speed [m/s] : < 1.5  
 Less than 5 m/s

FULFILS / NOT FULFILS

2.1.4 Ambient noise [dB(A)] : 43.2  
 Test result – Ambient noise  $\geq 10$  dB(A)

FULFILS / NOT FULFILS

2.1.5 Wind direction [°] : 37.4

**2.2. Date and method of check on compliance of the test surface with ISO 10844:2014:**

- April 30<sup>th</sup> 2018
- 3.0 m straight edge
- Sound absorption coefficient
- Mean profile depth
- Issued by : IDIADA

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

CN21010160



\* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE.  
 \* THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN.  
 \* MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY.



### 3. TEST RESULTS

Reference Speed:  $v_{ref}$  [km/h] : 70  
 Range Speed [km/h] : 60.0 - 80.0

Run No.	Test speed [km/h]	Direction of run	Sound level left measured [dB(A)]	Sound level right measured [dB(A)]	Air temp. [°C]	Surface temp. [°C]	Sound level left temp. corrected [dB(A)]	Sound level right temp. corrected [dB(A)]
1	62.8	W → E	69.3	69.1	30.5	47.5	69.3	69.1
2	64.3	W → E	69.7	69.3	30.0	47.5	69.7	69.3
3	66.4	W → E	70.2	69.4	30.6	47.6	70.2	69.4
4	68.6	W → E	70.5	69.9	30.3	47.9	70.5	69.9
5	72.2	W → E	71.0	70.1	30.4	48.0	71.0	70.1
6	74.8	W → E	71.3	71.1	31.4	48.0	71.3	71.1
7	76.4	W → E	71.8	71.8	31.7	48.2	71.8	71.8
8	77.6	W → E	72.6	72.5	31.8	48.4	72.6	72.5

- 3.1. Regression line slope : 32.19
- 3.2. Sound level after temperature correction according to paragraph 4.3 of Annex 3 [dB(A)] : 70.6
- 3.3. Sound level according to paragraph 4.4. and 4.5. of Annex 3 [dB(A)] : 69
- 3.4. Limit value [dB(A)] :

Category of use	C3		
	Stage 1	Stage 2	
		Other	Traction
Normal	76	73	75
Snow	78	73	75
Snow (for use in severe Snow conditions)		74	76
Special	79	75	77

\* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE.  
 \* THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN.  
 \* MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY.



## 4. TEST TYRE PICTURES



Picture 1. Sidewall



Picture 2. Tread pattern

Place of test: L'Albornar (Santa Oliva)

Date of test: 18/07/2018

Alejandro Clara Requena  
HOMOLOGATION ENGINEER

\* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE.  
\* THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN.  
\* MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY.



ANNEX 2

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

**IDIADA** CN21010160

**IDIADA**

## Test Report

No.: CT117-A0-180033  
Page: 1 / 6  
Customer: LLIT(THAILAND) CO.,LTD  
Tyresize / -type: 385/65R22.5/KTS300

  
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 «RQJLVWY» at: <https://extranet.idiada.com/hom-cve>

**IDIADA** CN21010160

## Test Report

No.: CT117-A0-180033  
Page: 2 / 6  
Customer: LLIT(THAILAND) CO.,LTD  
Tyresize / -type: 385/65R22.5/KTS300



### 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<br>911/9Moo5, Khaokhansong, Sriracha,Chonburi 20110, Thailand                            |
| 3. Test report No. :  | CT117-A0-180033   |
| 4. Manufacturer and Brand Name or Trade description :   | LINGLONG  |
| 5. Tyre Class (C1, C2 or C3) :  | Class C3  |
| 6. Category of use :  | Snow  |
| 7.Adhesion coefficient on wet surfaces relative to SRTT according to paragraphs 2.1.2.15 or 2.2.2.15: | 1.05  |
| 8. Comments (if any) :  |   |
| 9. Date of test report :  | Apr 12, 2018  |

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

**IDIADA** CN21010160



## Test Report

No.: CT117-A0-180033  
Page: 3 / 6  
Customer: LLIT(THAILAND) CO.,LTD  
Tyresize / -type: 385/65R22.5/KTS300



### Part2-Test data

1. Date of test: : Oct 27 2017
2. Test vehicle (Make, model, year, modifications, etc.) : Dragon,Dongfeng  
VIN: LGAG3DV28D2809664
- 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 06, 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 2.04. Tyre test details
- 4.1. Tyre size designation/DOT Number : 385/65R22.5/3817
- 4.2. Tyre service description : snow
- Load Index : 164
- Speed Category : K
- Reference load: 5000kg

### 4.4. Test data

Tyre	SRTT (before)	Candidate	SRTT (after)	Control
Front axle pressure (kPa)	770	630	770	/
Rear axle pressure (kPa)	865	630	865	/
Front axle load (kg)	6622	6622	6622	/
Rear axle load (kg)	7266	7266	7266	/
Water depth(mm) (from 0.5 to 1.5mm)	1.3	1.4	1.3	/
Ambient temp (°C)	27.7	28.1	28.2	/
Wetted track temperature average (C°)	26.2	26.6	27.2	/

4.5. Test rim width code : 11.75X22.5

4.6. Temperature measurement sensor type : FLUKE-62

4.7 identification of the SRTT: HAKP OOTX 3014

**Test Report**

No.: CT117-A0-180033  
 Page: 4 / 6  
 Customer: LLIT(THAILAND) CO.,LTD  
 Tyresize / -type: 385/65R22.5/KTS300



## 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 2 of 2)		SRTT(after)	
			315/70R22.5		385/65R22.5		315/70R22.5	
			Distance (m)	Mfdd(m/s <sup>2</sup> )	Distance (m)	Mfdd(m/s <sup>2</sup> )	Distance (m)	Mfdd(m/s <sup>2</sup> )
1	67-63	E-W	28.38	4.35	27.29	4.52	28.93	4.27
2	67-63	E-W	28.75	4.29	27.55	4.48	29.14	4.24
3	67-63	E-W	28.69	4.30	27.63	4.47	28.76	4.29
4	67-63	E-W	/	/	27.82	4.44	/	/
5	67-63	E-W	/	/	27.19	4.54	/	/
6	67-63	E-W	/	/	26.89	4.59	/	/
Average AD(m/s <sup>2</sup> )			28.61	4.32	27.40	4.51	28.94	4.27
Standard deviation(m/s <sup>2</sup> )			0.16	0.03	0.31	0.06	0.16	0.03
Validation of results Coefficient of variation(<3%) Total coefficient of variation SRTT(<3%)			0.70%		1.23%		0.66%	
Adjusted average AD ref. tyre: Ra(m/s <sup>2</sup> )					4.30			
BFC (R)					0.437			
BFC (T)					0.459			
Wet grip index(G)					1.05			

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

IDIADA CN21010160

**Test Report**

No.: CT117-A0-180033  
Page: 5 / 6  
Customer: LLIT(THAILAND) CO.,LTD  
Tyresize / -type: 385/65R22.5/KTS300



Mobilität

**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

2018-4-12

 <p>Wang Xin Assessor, Automotive Homologation</p>	
--	---

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

**IDIADA** CN21010160

**Test Report**

No.:  
Page:  
Customer:  
Tyresize / -type:

CT117-A0-180033  
6 / 6  
LLIT(THAILAND) CO.,LTD  
385/65R22.5/KTS300



Mobilität

**List of modifications**

Appendix 1

**More details for application of** : **Date** :

Correction of : -

Modification of : -

Addition of : -

Deletion of : -

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

CN21010160

IDIADA



ANNEX 3

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

**IDIADA** CN21010160

**IDIADA**

**REPORT N° CN18080518**

## UN/ECE REGULATION 117R02 RELATED TO ROLLING RESISTANCE

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 : No

Brand name / Trade mark : LINGLONG

Trade description / Commercial name : KTS300

Tyre size : 11R22.5 148/145L

Place and date of issue : L'Albornar, Santa Oliva (Tarragona), 28/08/2018

CONCLUSIONS: The sample of the family has been tested according to the technical prescriptions with regard to “rolling resistance” pursuant to UN/ECE REGULATION 117R02.  
The characteristics of the tested sample are detailed in the annex to the test report.

Performed by:

Zhaocai (Frank) Yu  
TEST ENGINEER

Revised by:

Lluís Sans Gomis  
DEPARTMENT MANAGER



**ANNEX TO THE TEST REPORT**  
**ROLLING RESISTANCE, REPORT N° CN18080518**

**1. TEST DATA**

**1.1. Test tyre details**

- 1.1.1 Applicant : LLIT (THAILAND) CO., LTD.  
911/9 Moo 5, Khaokhansong, Sriracha, Chonburi 20110, Thailand
- 1.1.2 Manufacturer : LLIT (THAILAND) CO., LTD.  
911/9 Moo 5, Khaokhansong, Sriracha, Chonburi 20110, Thailand
- 1.1.3 Tyre class : C3
- 1.1.4 Category of use : Snow (for use in severe snow conditions)
- 1.1.5 Traction tyre : No
- 1.1.6 Brand name / Trade mark : LINGLONG
- 1.1.7 Trade description / Commercial name : KTS300
- 1.1.8 Tyre size : 11R22.5 148/145L
- 1.1.9 Load index / Corresponding mass  $Q_r$  [kg] : 148 / 3,150
- 1.1.10 Tyre structure : Radial
- 1.1.11 Date code, other manufacturer markings : 1218, 1YC E8RTLL
- 1.1.12 Inflation pressure [kPa] : 850
- 1.1.13 Test tyre internal reference : CN18080518
- 1.1.14 Test rim : 8.25 x 22.5
- 1.1.15 Test rim internal reference : JS-04
- 1.1.16 Test rim material : Steel

**1.2. Test machine data**

- 1.2.1 Identification : TMSI RR-2-TTM
- 1.2.2 Drum diameter [mm] : 1,707

FULFILS/NOT FULFILS

---

\* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE.  
 \* THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN.  
 \* MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY  
 IDIADA Automotive Technology, S.A. N.I.F. A43581610

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

**IDIADA** CN21010160



1.2.3 Surface : Smooth steel

1.2.4 Roughness [ $\mu\text{m}$ ] :  $\leq 6.3$

FULFILS/NOT FULFILS

**1.3. Test data**

1.3.1 Measurement method : Torque

1.3.2 Test speed [km/h] : 80

C3: 80 km/h (M: 130 km/h and higher and load symbol > to 121);

FULFILS/NOT FULFILS

1.3.3 Load Index (LI) / Load [kg] : 148 / 3,150

1.3.4 Test load [kg / N] : 2,677.5 / 26,257.0

C2/C3 (% of single load): 85 (\*)

(\*) as a percentage of single load, or 85 per cent of maximum load capacity for single application specified in applicable tyre standards manuals if not marked on tyre.

FULFILS/NOT FULFILS

1.3.5 Test inflation pressure, initial [kPa] : 850

C2/C3: corresponding to maximum load capacity for single application (\*)

(\*): inflation pressure marked on sidewall, or if not market on sidewall, as specified in applicable tyre standards manuals corresponding to maximum load capacity for single application.

FULFILS/NOT FULFILS

1.3.6 Distance from the tyre axis to the drum outer surface under steady state conditions (rL) : N.A.

1.3.7 Ambient temperature  $T_{\text{am}}$  [ $^{\circ}\text{C}$ ] : 25.4

$20.0 \leq T_{\text{am}} \leq 30.0$

FULFILS/NOT FULFILS

1.3.8 Skim test load [N] : 400.2

$C3 \leq 500 \text{ N}$

FULFILS/NOT FULFILS

1.3.9 Input torque ( $T_t$ ) [Nm] : 167.3

1.3.10 Input skim test torque ( $T_{\text{pl}}$ ) [Nm] : 12.2





## 2. TEST RESULTS

### 2.1. Rolling resistance coefficient

- 2.1.1 Initial value (or average in the case of more than 1) [N/kN] : 6.92
- 2.1.2 Temperature corrected value [N/kN] : 6.94
- 2.1.3 Temperature and drum diameter corrected value [N/kN] : 6.74

**Rolling resistance coefficient  $C_r$  [N/kN] = 6.74**

### 2.2. Limit value [N/kN]

	Stage 1	Stage 2
C1	12.0	10.5
C2	10.5	9.0
C3	8.0	6.5

For "snow tyre for use in severe snow conditions", the limits shall be increased by 1 N/kN.



### 3. TEST TYRE PICTURES



Picture 1. Sidewall



Picture 2. Tread pattern

Place of test: Zhaoyuan, China

Date of test: 26/08/2018

Zhaocai (frank) Yu  
TEST ENGINEER



ANNEX 4

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

**IDIADA** CN21010160

**IDIADA**



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): MULTI-ROAD KTS300  
Size description(s): 11R22.5 148/145L  
Load Index: 148  
DOT: 1YC E8RTLL 2018  
Tyre classification: C3

#### Standard reference tyre

Description: ASTM-F2871  
Size: 245/70R19.5 136/134M  
Load Index: 136  
DOT: FWLB 008 X 4515

Customer: LLIT(THAILAND)CO.,LTD.  
911/9Moo5  
Khaokhansong Sriracha  
Chonburi 20110  
Thailand

<b>Measured snow index value relative to SRTT:</b>	<b>1.25</b>
--	-------------

#### 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, July 6th 2018

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-LL114-E117SP**

page 2(3)

### Measurements

1. Date of test: 19.6.2018
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	-8.3 °C	-8.9 °C
Snow temperature	-8.9 °C	-8.8 °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		245/70R19.5 136/134M		11R22.5 148/145L	
Test rim size		7.5x19.5		8.25x22.5	
Tyre loads rear		L: 900 kg R: 906 kg		L: 900 kg R: 906 kg	
		40 % 40 %		29 % 29 %	
Tyre pressure		7.6 bar 7.6 bar		8.5 bar 8.5 bar	
		5.3 bar 5.3 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: T2

	R1		Candidate		R2	
	AA	slip %	AA	slip %	AA	slip %
1st	0.86	21 %	1.07	18 %	0.82	23 %
2nd	0.86	19 %	1.05	14 %	0.81	23 %
3rd	0.83	20 %	1.05	26 %	0.81	21 %
4th	0.83	19 %	1.02	19 %	0.81	23 %
5th	0.83	23 %	1.00	31 %	0.80	21 %
6th	0.82	21 %	0.98	36 %	0.80	21 %

Mean	0.84
Std-deviation	0.02
CV [%]	1.9 %

1.03
0.03
2.7 %

0.81
0.01
0.7 %

wa(SRTT) 0.82  
SRTT validation -3.6 %

**Snow Index = 1.25**

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



TEST REPORT

TW-TL18-LL114-E117SP

Annex A



*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

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

TECHNICAL DOCUMENTATION

# SHANDONG LINGLONG TYRE CO., LTD.

Information folder No.: QG2021-027

Page 1 of 6

## 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) to be used for particular tyre type-approval requested : Brand name: LINGLONG; SHANLING; LEAO; Infinity; BARKLEY; BENCHMARK; CROSSWIND; TECHKING; GREEN MAX; TOMKET; HUBTRAC  
: Trade description : KTS300; BL223; CWS30K; TASK ST; GRS806; TOMKET TF2; REGIONAL S11 KTS300
- 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" of the type of tyre : normal/ snow /special
- 2.5.1 Snow tyre for use in severe snow conditions : Yes/No
- 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

E9\*117R02/12\*1267\*00



# SHANDONG LINGLONG TYRE CO., LTD.

Information folder No.: QG2021-027

Page 2 of 6

## List of tyre size

Brand name(s) or Trade mark(s): LINGLONG; SHANLING; LEAO; Infinity; BARKLEY ;  
BENCHMARK; CROSSWIND; TECHKING;  
GREEN MAX; TOMKET; HUBTRAC

Tread pattern : KTS300; BL223; CWS30K; TASK ST ; GRS806;  
TOMKET TF2; REGIONAL S11

Tyre size	Approval No.	Limit dB(A)	Wet grip index(G)	Rolling Resistance Coefficient(RRC)
315/70R22.5 154/150L(152/148M)	E9-006060	74	$\geq 0.715$	$\leq 7.5$
315/70R22.5 156/150L(154/150M)	E9-006059	74	$\geq 0.715$	$\leq 7.5$
385/65R22.5 160K(158L)	E9-006073	74	$\geq 0.715$	$\leq 7.5$
385/65R22.5 164K(158L)	E9-006075	74	$\geq 0.715$	$\leq 7.5$
295/60R22.5 150/147L	E9-006051	74	$\geq 0.715$	$\leq 7.5$
315/60R22.5 152/148L	E9-006058	74	$\geq 0.715$	$\leq 7.5$
315/60R22.5 154/150L(152/148M)	E9-006057	74	$\geq 0.715$	$\leq 7.5$
295/80R22.5 152/148M	E9-006052	74	$\geq 0.715$	$\leq 7.5$
295/80R22.5 154/149M	E9-006055	74	$\geq 0.715$	$\leq 7.5$
315/80R22.5 156/150L(154/150M)	E9-006066	74	$\geq 0.715$	$\leq 7.5$
315/80R22.5 158/150L(154/150M)	E9-006065	74	$\geq 0.715$	$\leq 7.5$
385/55R22.5 158L	E9-006069	74	$\geq 0.715$	$\leq 7.5$
385/55R22.5 160K(158L)	E9-006070	74	$\geq 0.715$	$\leq 7.5$
11R22.5 148/145L	E9-001989	74	$\geq 0.715$	$\leq 7.5$

iDiADA CN21010160

# SHANDONG LINGLONG TYRE CO., LTD.

Information folder No.: QG2021-027

Page 3 of 6

Rolling sound emission test size: 385/55R22.5 160K(158L)

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 : 11R22.5 148/145L

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: 385/65R22.5 164K(158L)

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 : 11R22.5 148/145L

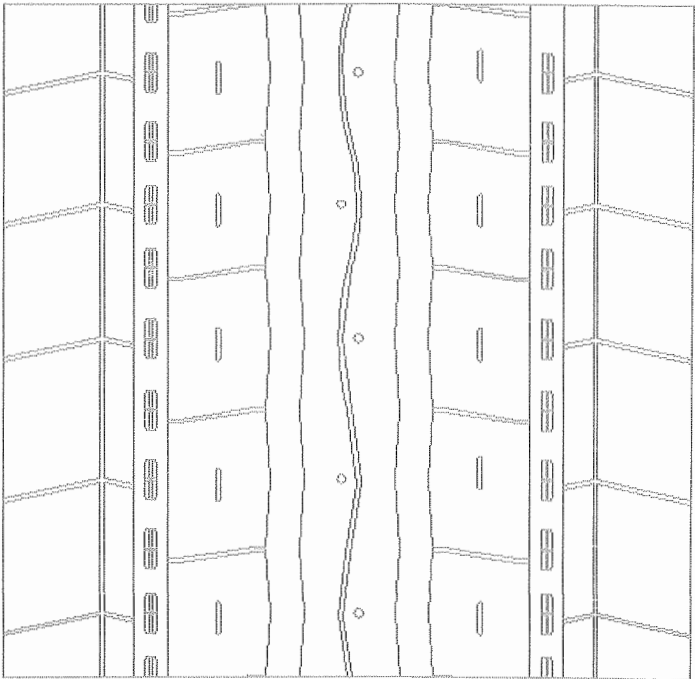
Because of : The smallest nominal section width.

# SHANDONG LINGLONG TYRE CO., LTD.

Information folder No.: QG2021-027

Page 4 of 6

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

Manufacturer name	LLIT(THAILAND) CO.,LTD
Pattern name	LINGLONG:KTS300 SHANLING: KTS300 LEAO: KTS300 Infinity: KTS300 BENCHMARK: KTS300 BARKLEY:BL223 CROSSWIND:CWS30K TECHKING:TASK ST TOMKET:TOMKET TF2 HUBTRAC:REGIONAL S11
Tyre Size	385/65R22.5 164K(158L)
Market	EU/US
Pitch number	54
Pitch ratio	1/1.09/1.12
Void volume [%]	20.67
Width: main grooves [mm]	15.5
Depth: center groove [mm]	15.5
Depth: shoulder groove [mm]	15.5
Pattern	

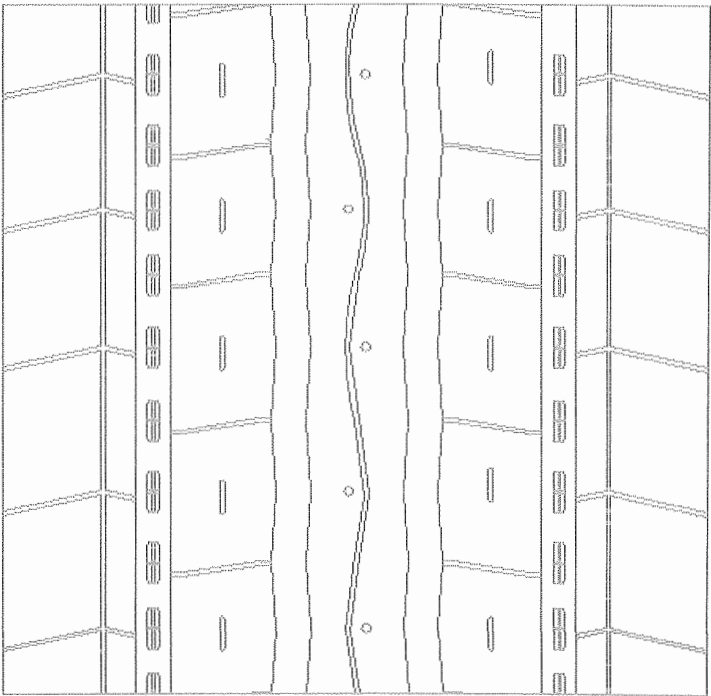
E9\*117R02/12\*1267\*00

# SHANDONG LINGLONG TYRE CO., LTD.

Information folder No.: QG2021-027

Page 5 of 6

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

Manufacturer name	LLIT(THAILAND) CO.,LTD	
Pattern name	LINGLONG:KTS300 SHANLING: KTS300 LEAO: KTS300 Infinity: KTS300 BENCHMARK: KTS300 BARKLEY:BL223 CROSSWIND:CWS30K TECHKING:TASK ST TOMKET:TOMKET TF2 HUBTRAC:REGIONAL S11	
Tyre Size	11R22.5 148/145L	
Market	EU/US	
Pitch number	74	
Pitch ratio	1/1.09/1.12	
Void volume [%]	20.70	
Width: main grooves [mm]	13	
Depth: center groove [mm]	16.5	
Depth: shoulder groove [mm]	16.5	
Pattern		

E9\*117R02/12\*1267\*00

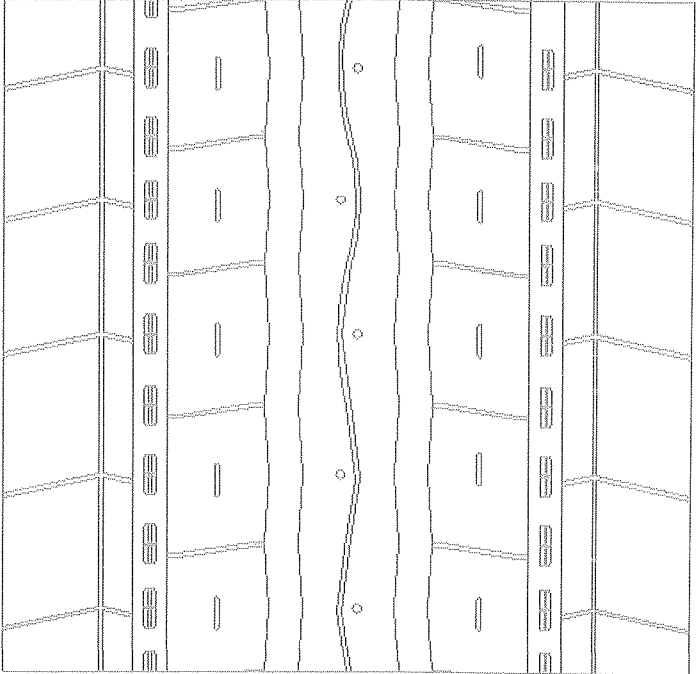
**İİDİADA** CN21010160

# SHANDONG LINGLONG TYRE CO., LTD.

Information folder No.: QG2021-027

Page 6 of 6

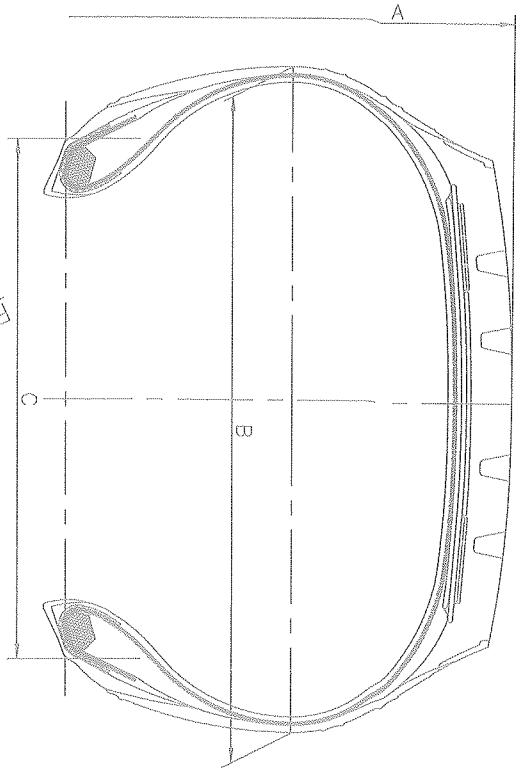
## Drawing of the tread pattern (for measured tyre)

Manufacturer name	LLIT(THAILAND) CO.,LTD	
Pattern name	LINGLONG:KTS300 SHANLING: KTS300 LEAO: KTS300 Infinity: KTS300 BENCHMARK: KTS300 BARKLEY:BL223 CROSSWIND:CWS30K TECHKING:TASK ST TOMKET:TOMKET TF2 HUBTRAC:REGIONAL S11	
Tyre Size	385/55R22.5 160K(158L)	
Market	EU/US	
Pitch number	54	
Pitch ratio	1/1.09/1.12	
Void volume [%]	19.55	
Width: main grooves [mm]	16	
Depth: center groove [mm]	13.5	
Depth: shoulder groove [mm]	13.5	
Pattern		

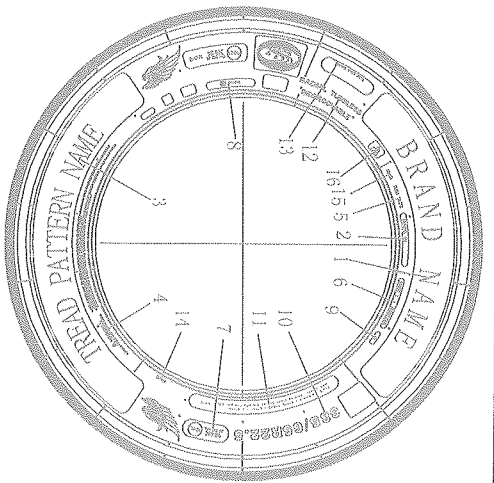
iDiADA CN21010160



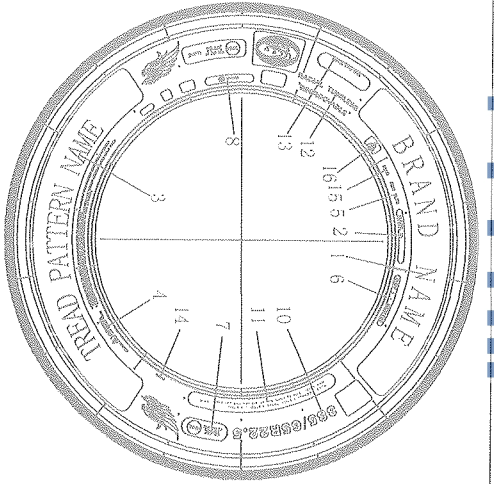




TREAD PATTERNS  
REFER TO ATTACHMENT NO. QG2021-027



LOWER MOLD



UPPER MOLD

16						
15	M+S					
14	**** (MOLD NUMBER)					
13	BRAND TYRE HERE					
12	RADIAL TUBELESS					
11	PLIES: STEELWALL 1 STEEL TREAD 1 STEEL+3 STEEL MAX LOAD: SINGLE 5000 kg (11000 lbs) AT 900 kPa (130 psi) COLD LR. N					
10	385/65R22.5					
9	**** (PRODUCTION DATE)					
8	<b>(E9)</b> 006075					
7	164 K AT 900 kPa <b>(158I)</b>					
6	DOT..					
5	RIM 11.75					
4	WARNING.....					
3	REFER TO ATTACHMENT NO. QG2021-027					
2	MADE IN THAILAND					
1	REFER TO ATTACHMENT NO. QG2021-027					
	LOWER MOLD					UPPER MOLD

385/65R22.5	164 <b>(158)</b>	K <b>(1)</b>	TL	1072	389	298.5
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

Approve by:

Check by:

Draft by:

