



MINISTERIO  
DE INDUSTRIA, COMERCIO Y  
TURISMO

DIRECCIÓN GENERAL DE INDUSTRIA Y  
DE LA PEQUEÑA Y MEDIANA EMPRESA

SUBDIRECCIÓN GENERAL DE  
CALIDAD Y SEGURIDAD INDUSTRIAL



E9\*54R00/23\*1593\*00

Página / Page 1/2

Comunicación relativa a <sup>(1)</sup> / *Communication concerning the* <sup>(1)</sup>:

- la concesión de la homologación / *approval granted*
- ~~la extensión de homologación / *approval extended*~~
- ~~la denegación de la homologación / *approval refused*~~
- ~~la retirada de la homologación / *approval withdrawn*~~
- ~~el cese definitivo de la producción / *production definitely discontinued*~~

de un tipo de neumático para vehículos de motor de conformidad con el Reglamento nº 54 / *of a type of tyre for motor vehicles pursuant to Regulation No. 54*

Nº de homologación / *Approval No.*: E9\*54R00/23\*1593\*00

Nº de extensión / *Extension No.*: --

- Nombre y dirección del fabricante / *Manufacturer's name and address*:  
SHANDONG LONGYUE RUBBER CO., LTD.  
The South of Yalujiang Road, Wenzhuang Village Qinghe Agency of Cao County, Heze City, Shandong Province, P.R. China
- Designación de tipo de neumático / *Tyre type designation*: 205/75R16C(LT) 110/108R
- Marca(s) / *trademark(s)*: GRENLANDER; CONSTANCY; ILINK; RHINO; LUXXAN; ROADMARCH; ARIVO; CRYSTAL; T TYRE; ROCKBLADE; FRONWAY; SAILWIN; XBRI
- Banda de rodadura / *Tread pattern*: LY366; L-STRONG36; INSPIRER L2; VAN455; PRIMEVAN 36; TRANSITO ARZ6-A; Powermax; DURAPLUS 36; LONGRACE 36; CARGOPLUS; ROCK 828C; LY288; L-POWER28; GTR501; Strength; DURAMAX 28; RACINGMAX 28; TRANSITO ARZ6-M; CITYMAX; INSPIRER L6; PRIMEVAN 28; ROCK 818; LY399; L-MAX9; VANPLUS 09; VANTOUR 09; TRANSITO ARZ6-X; INSPIRER L4; RT28; TWENTY; PRIMEVAN 9; ROCK 838C
- En su caso, nombre y dirección del representante del fabricante / *If applicable, name and address of manufacturer's representative*: ---
- Descripción sucinta / *Summarised description*:
  - Tamaño del neumático / *Size of tyre*: 205/75R16C(LT)
  - Categoría de uso: normal / ~~especial~~ / ~~nieve~~  
*Category of use: normal / ~~special~~ / ~~snow~~*
  - Estructura: ~~diagonal~~ / radial  
*Structure: ~~diagonal (bias-ply)~~ / radial*
  - Clase de neumático / *Tyre class*: C2/C3<sup>(1)</sup>
  - Símbolo de la categoría de velocidad / *Speed category symbol*:

(1) Tachar lo que no proceda/ *Strike out what does not apply*



E9\*54R00/23\*1593\*00

Página / Page 2/2

- 4.5.1 Nominal / *Nominal*: R
- 4.5.2 Adicional (en su caso) / *Additional (if applicable)*: N.A.
- 4.6 Índice de capacidad de carga / *Load-capacity indices*:
- 4.6.1 Correspondiente a la velocidad nominal / *Corresponding to nominal speed*:  
simple / *single* : 110      gemelo (doble) / *twinned (dual)* : 108
- 4.6.2 Correspondiente a la velocidad adicional / *Corresponding to additional speed* :  
simple / *single* : N.A.      gemelo (doble) / *twinned (dual)* : N.A.
5. Servicio técnico o, en su caso, laboratorio de ensayo autorizado para la homologación o la verificación de la conformidad / *Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity*: IDIADA
6. Fecha del informe expedido por este servicio / *Date of report issued by that service*: 07/04/2019
7. Número del informe expedido por este servicio / *Number of report issued by that service*: CN19020372
8. Motivos de la extensión (en su caso) / *Reason(s) of extension (if applicable)*: ---
9. Observaciones / *Any remarks*: ---
10. Lugar / *Place*: Madrid
11. Fecha / *Date*: Ver firma electrónica / *See digital signature*
12. 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
13. Se adjunta a la presente notificación una lista de los documentos que figuran en el expediente de homologación depositado en los servicios administrativos que han expedido la homologación y que podrán obtenerse previa petición. / *Annexed to this communication is a list of documents in the approval file deposited at the administrative services having delivered the approval and which can be obtained upon request.*

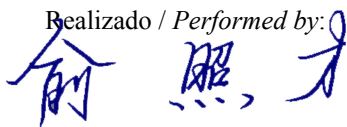
(1) Tachar lo que no proceda/ *Strike out what does not apply*

**INFORME N° / REPORT No. CN19020372****HOMOLOGACIÓN DE NEUMÁTICOS PARA VEHÍCULOS INDUSTRIALES  
Y SUS REMOLQUES SEGÚN EL REGLAMENTO 54.00 ECE /  
APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES  
AND THEIR TRAILERS REFERRING TO REGULATION 54.00 ECE**

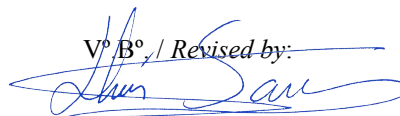
|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fabricante / Manufacturer                                                     | : SHANDONG LONGYUE RUBBER CO., LTD.<br>The South of Yalujiang Road, Wenzhuang Village Qinghe<br>Agency of Cao County, Heze City, Shandong Province, P.R.<br>China                                                                                                                                                                                                                               |
| Marca(s) / Trade mark(s)                                                      | : GRENLANDER; CONSTANCY; ILINK; RHINO; LUXXAN;<br>ROADMARCH; ARIVO; CRYSTAL; T TYRE;<br>ROCKBLADE; FRONWAY; SAILWIN; XBRI                                                                                                                                                                                                                                                                       |
| Banda de rodadura / Tread pattern                                             | : LY366; L-STRONG36; INSPIRER L2; VAN455;<br>PRIMEVAN 36; TRANSITO ARZ6-A; Powermax;<br>DURAPLUS 36; LONGRACE 36; CARGOPLUS; ROCK<br>828C; LY288; L-POWER28; GTR501; Strength; DURAMAX<br>28; RACINGMAX 28; TRANSITO ARZ6-M; CITYMAX;<br>INSPIRER L6; PRIMEVAN 28; ROCK 818; LY399; L-<br>MAX9; VANPLUS 09; VANTOUR 09; TRANSITO ARZ6-X;<br>INSPIRER L4; RT28; TWENTY; PRIMEVAN 9; ROCK<br>838C |
| Designación de tipo de neumático /<br>Tyre type designation(s)                | : 205/75R16C(LT) 110/108R                                                                                                                                                                                                                                                                                                                                                                       |
| Designación dimensional del neumático /<br>Tyre size designation              | : 205/75R16C(LT)                                                                                                                                                                                                                                                                                                                                                                                |
| Lugar y fecha de emisión del informe /<br>Place and date of test report issue | : L'Albornar, Santa Oliva (Tarragona)<br>07/04/2019                                                                                                                                                                                                                                                                                                                                             |

**CONCLUSIONES/CONCLUSIONS:** El neumático ensayado **CUMPLE** con las prescripciones uniformes relativas a la homologación de neumáticos según el Reglamento N°54.00 ECE, tal y como se especifica en el anexo a este informe. / **Tested pneumatic tyre FULFILLS** with the specifications regarding to the type approval of approval of pneumatic tyre referring to the Regulation 54.00 ECE as specified in the annex of this report.

Realizado / Performed by:

Zhaocai (Frank) Yu  
TEST ENGINEER

Vº Bº, / Revised by:

Lluís Sans Gomis  
DEPARTMENT MANAGER

\* LOS RESULTADOS PRESENTADOS SE REFIEREN ÚNICAMENTE A LA MUESTRA ENSAYADA.

THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

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



## ANEXO AL INFORME / ANNEX TO THE REPORT

## 1. DESCRIPCIÓN TÉCNICA DEL NEUMÁTICO / TECHNICAL DESCRIPTION OF THE PNEUMATIC TYRE:

|                                                               |                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Marca(s) / Trade Mark(s)                                      | : GRENLANDER; CONSTANCY; ILINK; RHINO; LUXXAN; ROADMARCH; ARIVO; CRYSTAL; T TYRE; ROCKBLADE; FRONWAY; SAILWIN; XBRI                                                                                                                                                                                                                                                    |
| Banda de rodamiento / Tread pattern                           | : LY366; L-STRONG36; INSPIRER L2; VAN455; PRIMEVAN 36; TRANSITO ARZ6-A; Powermax; DURAPLUS 36; LONGRACE 36; CARGOPLUS; ROCK 828C; LY288; L-POWER28; GTR501; Strength; DURAMAX 28; RACINGMAX 28; TRANSITO ARZ6-M; CITYMAX; INSPIRER L6; PRIMEVAN 28; ROCK 818; LY399; L-MAX9; VANPLUS 09; VANTOUR 09; TRANSITO ARZ6-X; INSPIRER L4; RT28; TWENTY; PRIMEVAN 9; ROCK 838C |
| Designación de tipo de neumático / Tyre type designation(s)   | : 205/75R16C(LT) 110/108R                                                                                                                                                                                                                                                                                                                                              |
| Designación dimensional del neumático / Tyre-size designation | : 205/75R16C(LT)                                                                                                                                                                                                                                                                                                                                                       |
| Categoría de utilización / Category of use                    | : normal / <del>nieve</del> / <del>especial</del><br>normal / <del>snow</del> / <del>special</del>                                                                                                                                                                                                                                                                     |
| Estructura / Structure                                        | : <del>diagonal</del> / <del>diagonal-cinturado</del> / radial<br><del>diagonal</del> / <del>bias-belted</del> / radial                                                                                                                                                                                                                                                |
| Símbolo de categoría de velocidad / Speed category index      | : nominal / nominal : R<br>adicional / additional : N.A                                                                                                                                                                                                                                                                                                                |
| Índice de capacidad de carga / Load-capacity index            | : nominal / nominal: simple / single : 110<br>doble / twinned : 108<br>adicional / additional: simple / single : N.A.<br>doble / twinned : N.A.                                                                                                                                                                                                                        |
| X del fabricante / X of the manufacturer                      | : 0.7                                                                                                                                                                                                                                                                                                                                                                  |
| Sección transversal del neumático / Tyre cross-section        | : Ver documentación técnica / See technical documentation                                                                                                                                                                                                                                                                                                              |

\* LOS RESULTADOS PRESENTADOS SE REFIEREN ÚNICAMENTE A LA MUESTRA ENSAYADA.

THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

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



## 2. MARCAJE DEL NEUMATICO / TYRE MARKING

### 2.1. Marcaje obligatorio / Compulsory Marking

Marca de homologación / Approval mark

Altura de la marca de homologación / Approval mark Height : a= 14 > 12 mm

Altura del marcaje que define el neumático / Tyre definition marking height

Tamaño del neumático / Tyre size : b= 10 > 6 mm

Índice de carga y velocidad / Load and speed index : b= 10 > 6 mm

### 2.2. Marcas adicionales / Additional Marking

“M+S” / “M.S” / “M&S” : N.A.

“TUBELESS” : Marcado / Marked

Índice de la presión de inflado / Index of inflation pressure : 475 kPa

Estructura / Ply rating : 8PR

“ET” / “ML” / “MPT” : N.A.

“REGROOVABLE” : N.A.

Fecha de fabricación / Date of manufacture : 1019

Altura de estas marcas / Height of these marking : c= 6 > 4 mm

## 3. DATOS DE ENSAYO / TEST RESULTS.

Fecha de recepción de la muestra / Sample Reception date : 13/03/2019

Fechas y lugar de ensayo / Place and test dates : 13/03/2019 - 14/03/2019  
Heze, China

Identificación de la muestra / Sample Id. : CN19020372

Código de llanta de medida / Measure rim code : 5.5J x 16”

Código de llanta de ensayo / Test rim Code : 5.5J x 16”

### 3.1. Medida del neumático / Pneumatic tyre measurement

Primera presión de inflado en llanta de medida / First pressure in measuring rim : P(1m) = 4.75 bar

Segunda presión de inflado en llanta de medida según Anexo 6 de R54 ECE / Second pressure in measure rim according Annex 6 of R54 ECE : P(2m) = 4.75 bar

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

\* 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



### 3.1.1. Medición de la sección del neumático/ Tyre width measurement:

Medidas de **anchura total** en seis puntos espaciados de forma regular: /  
Measures of **overall width** at six equally-spaced points:

| Punto / Point | Anchura total / Overall width (mm)  |
|---------------|-------------------------------------|
| 1             | 199.7                               |
| 2             | 199.8                               |
| 3             | 199.9                               |
| 4             | 199.9                               |
| 5             | 199.8                               |
| 6             | 199.8                               |
| Punto / Point | Anchura maxima / Maximum width (mm) |
| 3, 4          | 199.9                               |

### 3.1.2. Cálculo de la sección del neumático/ Tyre section width calculation:

S = 203 (mm) given by Annex 5/Calculated

O/Or

$$S = S_1 + K(A - A_1)$$

|                                                                     |       |
|---------------------------------------------------------------------|-------|
| Anchura nominal de sección (mm) /<br>Nominal section width (mm)     | 205   |
| Coefficiente K /<br>K coefficient                                   | 0.4   |
| Anchura de la llanta de medición (mm) /<br>Measuring rim Width (mm) | 139.7 |
| X del fabricante /<br>X of the manufacturer                         | 0.70  |
| Anchura de la llanta teórica (mm) /<br>Theoretical rim Width (mm)   | 143.5 |

| Anchura maxima medida /<br>Maximum measured width<br>(mm) | Anchura de sección /<br>section width (mm) | Diferencia /<br>Difference (%) |
|-----------------------------------------------------------|--------------------------------------------|--------------------------------|
| S <sub>M</sub> = 199.9                                    | S = 203                                    | -1.53                          |

La anchura total del neumático puede ser inferior a la anchura de sección calculada en los siguientes porcentajes: 8% estructura diagonal; 4 % estructura radial. Por secciones que accedan los 305 mm no podrán superar el valor en los siguientes porcentajes: : 4% estructura diagonal, el 2% de la estructura radial nominal de aspecto superior a 60. / The overall width of a tyre may be less than the section or exceed the value by the following percentages: 8% structure diagonal; 4 % structure radial. For section with exceed 305mm shall not exceed the value by the following percentages: 4% structure diagonal; 2 % structure radial of nominal aspect higher than 60.

CUMPLE / NO-CUMPLE  
FULFILS / DOES NOT FULFIL

\* LOS RESULTADOS PRESENTADOS SE REFIEREN UNICAMENTE A LA MUESTRA ENSAYADA.

THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

\* 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



### 3.1.3. Medida de diámetro exterior / Outer diameter measurement

| Circunferencia máxima /<br>Maximum circumference (mm) | Diámetro exterior /<br>Outer diameter (mm)<br>$D_{ext} = \frac{L}{\pi}$ |
|-------------------------------------------------------|-------------------------------------------------------------------------|
| 2246                                                  | 714.9                                                                   |

### 3.1.4. Cálculo del diámetro exterior del neumático/ Tyre outer diameter calculation:

$$D = d + 2H$$

|                                                                                                           |                                                                              |
|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Numero convencional del diametro nominal de la llanta (mm)/<br>Conventional number of the nominal rim(mm) | <b>d = 406 mm</b>                                                            |
| Ancho nominal de sección (mm) /<br>Nominal section width (mm)                                             | <b>205</b>                                                                   |
| Relación nominal de aspecto /<br>Nominal aspect ratio                                                     | <b>75</b>                                                                    |
| Factor a /<br>a Factor                                                                                    | <b>0.97</b>                                                                  |
| Factor b /<br>b Factor                                                                                    | Radial:1.04 (Normal), 1.06(Special)<br>Diagonal:1.07 (Normal), 1.09(Special) |
| Altura nominal de sección (mm) /<br>Nominal section height (mm)                                           | <b>H = 153.8 mm</b>                                                          |

| <b>Dmin</b><br>$D_{min} = d + 2(H \times a)$ | <b>Diametro exterior (medido) /</b><br><b>Outer diameter (measured)</b> | <b>Dmax</b><br>$D_{max} = d + 2(H \times b)$ |
|----------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------|
| <b>704</b>                                   | <b>714.9 mm</b>                                                         | <b>726 mm</b>                                |
| <b>Dmin &lt; D &lt; Dmax</b>                 |                                                                         |                                              |

CUMPLE / ~~NO CUMPLE~~  
FULFILLS / ~~DOES NOT FULFIL~~

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

\* 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



### 3.2 Ensayo de carga/velocidad / Load/speed performance test

#### 3.2.1 Neumáticos con símbolo de categoría de velocidad Q o superior: For tyres with speed category symbol Q and above:

##### Condiciones del ensayo / Test Conditions

|                                                                                            |       |
|--------------------------------------------------------------------------------------------|-------|
| Categoría de velocidad / <i>Speed category</i>                                             | R     |
| Índice capacidad de carga / <i>Load capacity index</i>                                     | 110   |
| Velocidad máxima (km/h) /<br><i>Maximum velocity (km/h)</i>                                | 170   |
| Carga aplicada al eje (kg) /<br><i>Test axle load (kg)</i>                                 | 1060  |
| Velocidad máxima durante el ensayo (km/h) /<br><i>Maximum speed during the test (km/h)</i> | 170   |
| Carga del eje durante el ensayo (kg)/<br><i>Load of axle during the test (kg)</i>          | 954.0 |
| Presión de inflado en llanta de ensayo (bar) /<br><i>Pressure in test rim (bar)</i>        | 4.75  |
| Diámetro del tambor de ensayo (m) /<br><i>Test wheel diameter (m)</i>                      | 1.7   |
| Temperatura (°C) /<br><i>Temperature (°C)</i>                                              | 26    |

##### Ciclo de ensayo / Test cycle

| Tramo /<br><i>Step</i> | Duración (min)/<br><i>Duration (min)</i> | Velocidad (km/h) /<br><i>Speed (km/h)</i> |
|------------------------|------------------------------------------|-------------------------------------------|
| 1                      | 10                                       | 0-150                                     |
| 2                      | 10                                       | 150                                       |
| 3                      | 10                                       | 160                                       |
| 4                      | 30                                       | 170                                       |
| TOTAL / TOTAL          | 60                                       |                                           |

\* LOS RESULTADOS PRESENTADOS SE REFIEREN ÚNICAMENTE A LA MUESTRA ENSAYADA.

THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

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



### 3.2.2 Neumáticos con símbolo de categoría de velocidad P o inferior: Tyres with speed category symbol P and below:

#### Condiciones del ensayo / Test Conditions

|                                                                                                   |      |
|---------------------------------------------------------------------------------------------------|------|
| Categoría de velocidad / <i>Speed category</i>                                                    | N.A. |
| Índice capacidad de carga / <i>Load capacity index</i>                                            | N.A. |
| Velocidad máxima (km/h) /<br><i>Maximum velocity (km/h)</i>                                       | N.A. |
| Velocidad del prueba de tambor el ensayo (km/h) / <i>Test drum speed during the test (km/h)</i>   | N.A. |
| Carga del eje durante el ensayo (kg) ( 100%)/<br><i>Load of axle during the test (kg) ( 100%)</i> | N.A. |
| Presión de inflado en llanta de ensayo (bar) /<br><i>Pressure in test rim (bar)</i>               | N.A. |
| Diámetro del tambor de ensayo (m) /<br><i>Test wheel diameter (m)</i>                             | N.A. |
| Temperatura (°C) /<br><i>Temperature (°C)</i>                                                     | N.A. |

#### Ciclo de ensayo / Test cycle

| Tramo /<br><i>Step</i> | Duración (h)/<br><i>Duration (h)</i> | Carga (kg) /<br><i>Load (kg)</i> |      |
|------------------------|--------------------------------------|----------------------------------|------|
| 1                      | N.A.                                 | N.A.                             | N.A. |
| 2                      | N.A.                                 | N.A.                             | N.A. |
| 3                      | N.A.                                 | N.A.                             | N.A. |
| TOTAL / TOTAL          | N.A.                                 |                                  |      |

### 3.2.3 Medición del neumático / Tyre measurement

|                                                                                                                                     |          |
|-------------------------------------------------------------------------------------------------------------------------------------|----------|
| Medición del diámetro exterior antes del ensayo /<br><i>Outer diameter measurement at the start of test</i>                         | 714.9 mm |
| Medición del diámetro exterior después del ensayo /<br><i>Outer diameter measurement at the end of test</i>                         | 717.2 mm |
| Porcentaje del cambio en la medida del diámetro exterior (%) /<br><i>Percentage of the change in outer diameter measurement (%)</i> | 0.32     |

\* LOS RESULTADOS PRESENTADOS SE REFIEREN ÚNICAMENTE A LA MUESTRA ENSAYADA.

THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

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



### 3.3. Resultados de ensayo / Test results

3.3.1. El diámetro exterior del neumático, medido seis horas después del ensayo de resistencia carga/velocidad, no debe diferir más de  $\pm 3,5$  % respecto del diámetro exterior medido antes del ensayo. The outer diameter of the tyre, measured six hours after the load/speed endurance test, must not differ by more than  $\pm 3.5\%$  from the outer diameter as measured before the test.

CUMPLE / ~~NO CUMPLE~~  
FULFILS / ~~DOES NOT FULFIL~~

3.3.2. Una vez superado el ensayo de resistencia carga/velocidad, el neumático no debe presentar ningún despegue de la banda de rodadura, las lonas ni los cables, ni presentar arrancamientos de la banda de rodamiento ni rotura de los cables. / Once passed the load/speed endurance test, the tyre must not exhibit any tread separation, ply separation, cord separation, chunking or broken cords.

CUMPLE / ~~NO CUMPLE~~  
FULFILS / ~~DOES NOT FULFIL~~

Lugar del ensayo / Test Place : Heze, China  
Fecha del ensayo / Test Date : 13/03/2019 - 14/03/2019

Validate this report with the security code «ENT9VSV» at: <https://extranet.idiada.com/hom-cve>

CN19020372

IDIADA



Zhaocai(frank) Yu  
TEST ENGINEER

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

TECHNICAL DOCUMENTATION

**Tyre size:**  
**205/75R16C(LT)**  
**110/108R**



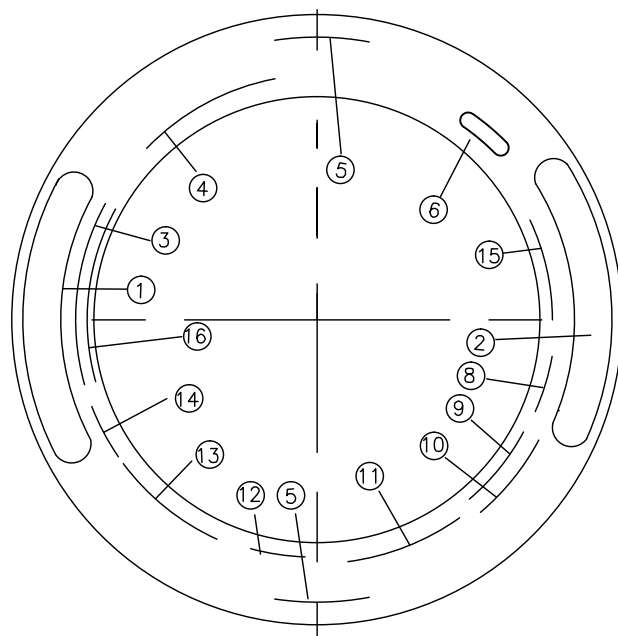
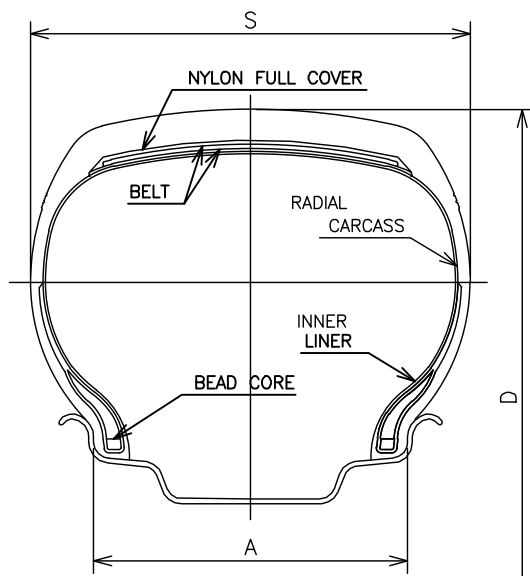
**Date : Mar. 2019**

**Ext. : 00**

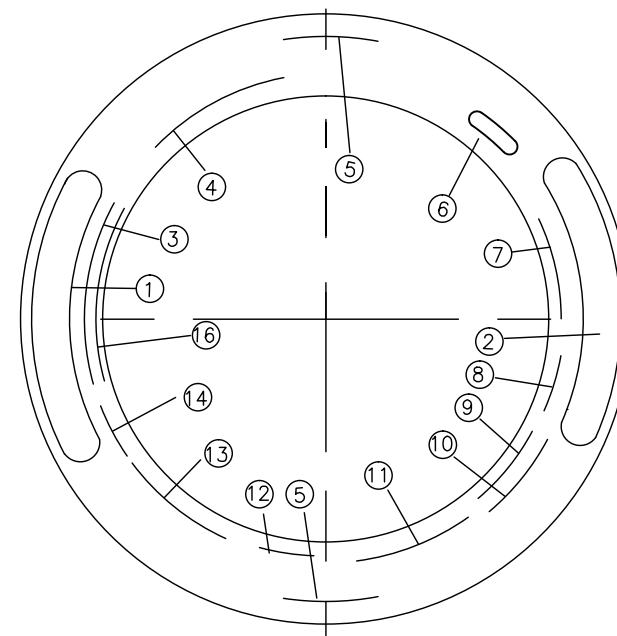
**REGARDING PNEUMATIC TYRES FOR COMMERCIAL VEHICLES AND THEIR TRAILERS  
ACCORDING TO REGULATION 54.00**

- |        |                                                                      |   |                                                                                                                                                                                                                                                                                                                                                                      |
|--------|----------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.     | Trade mark(s) marked on the tyre                                     | : |                                                                                                                                                                                                                                                                                                                                                                      |
| 1.1.   | Trade Mark declared by the manufacturer                              | : | GRENLANDER; CONSTANCY; ILINK; RHINO; LUXXAN; ROADMARCH; ARIVO; CRYSTAL; T TYRE; ROCKBLADE; FRONWAY; SAILWIN; XBRI                                                                                                                                                                                                                                                    |
| 1.2.   | Tyre tread pattern                                                   | : | LY366; L-STRONG36; INSPIRER L2; VAN455; PRIMEVAN 36; TRANSITO ARZ6-A; Powermax; DURAPLUS 36; LONGRACE 36; CARGOPLUS; ROCK 828C; LY288; L-POWER28; GTR501; Strength; DURAMAX 28; RACINGMAX 28; TRANSITO ARZ6-M; CITYMAX; INSPIRER L6; PRIMEVAN 28; ROCK 818; LY399; L-MAX9; VANPLUS 09; VANTOUR 09; TRANSITO ARZ6-X; INSPIRER L4; RT28; TWENTY; PRIMEVAN 9; ROCK 838C |
| 2.     | Tyre type designation by the manufacturer                            | : | 205/75R16C(LT) 110/108R                                                                                                                                                                                                                                                                                                                                              |
| 3.     | Manufacturer's name and address                                      | : | SHANDONG LONGYUE RUBBER CO., LTD.<br>The South of Yalujiang Road, Wenzhuang Village<br>Qinghe Agency of Cao County, Heze City,<br>Shandong Province, P.R. China                                                                                                                                                                                                      |
| 4.     | If applicable, name and address of the manufacturer's representative | : | Not applicable                                                                                                                                                                                                                                                                                                                                                       |
| 5.     | Summarised description                                               | : |                                                                                                                                                                                                                                                                                                                                                                      |
| 5.1.   | Tyre size designation                                                | : | 205/75R16C(LT)                                                                                                                                                                                                                                                                                                                                                       |
| 5.2.   | Category of use                                                      | : | normal/ <del>snow/special/temporary use</del> <sup>(1)</sup>                                                                                                                                                                                                                                                                                                         |
| 5.3.   | Structure                                                            | : | <del>diagonal(bias ply)/radial/run flat tyre</del> <sup>(1)</sup>                                                                                                                                                                                                                                                                                                    |
| 5.3.1. | Tread                                                                | : | 2 POLYESTER + 2 STEEL + 1 NYLON                                                                                                                                                                                                                                                                                                                                      |
| 5.3.2. | Side Wall                                                            | : | 2 POLYESTER                                                                                                                                                                                                                                                                                                                                                          |
| 5.4.   | Speed category symbol                                                | : |                                                                                                                                                                                                                                                                                                                                                                      |
| 5.4.1. | Nominal                                                              | : | R                                                                                                                                                                                                                                                                                                                                                                    |
| 5.4.2. | Additional                                                           | : | Not applicable                                                                                                                                                                                                                                                                                                                                                       |
| 5.5.   | Load-capacity index                                                  | : |                                                                                                                                                                                                                                                                                                                                                                      |
| 5.5.1. | Nominal speed (single and dual)                                      | : | 110/108                                                                                                                                                                                                                                                                                                                                                              |
| 5.5.2. | Additional speed (single and dual)                                   | : | Not applicable                                                                                                                                                                                                                                                                                                                                                       |
| 5.6.   | Inscription of snow tyre                                             | : | <del>M+S/M.S/M&amp;S</del> /N.A. <sup>(1)</sup>                                                                                                                                                                                                                                                                                                                      |
| 5.7.   | "Tubeless" (without a inner tube)                                    | : | Yes/ <del>No</del> <sup>(1)</sup>                                                                                                                                                                                                                                                                                                                                    |
| 5.8.   | Index of inflation pressure for testing                              | : | 475 kPa                                                                                                                                                                                                                                                                                                                                                              |
| 5.9.   | Ply-rating number                                                    | : | 8                                                                                                                                                                                                                                                                                                                                                                    |
| 5.10.  | Indication for "special use tyre"                                    | : | <del>ET/ML/MPT</del> /N.A. <sup>(1)</sup>                                                                                                                                                                                                                                                                                                                            |
| 5.11.  | Regroovable                                                          | : | <del>Yes</del> /No <sup>(1)</sup>                                                                                                                                                                                                                                                                                                                                    |
| 5.12.  | Factor x                                                             | : | 0.70                                                                                                                                                                                                                                                                                                                                                                 |
| 5.12.  | Submitted for type approval on(date)                                 | : | April 03, 2019                                                                                                                                                                                                                                                                                                                                                       |

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



UPPER



LOWER

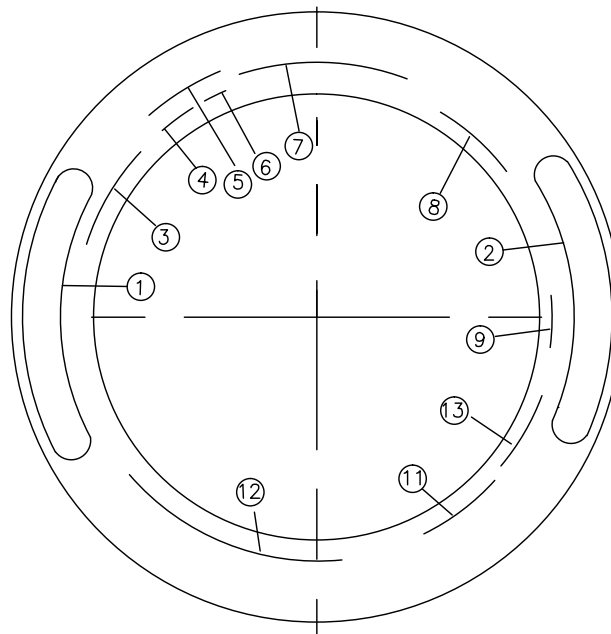
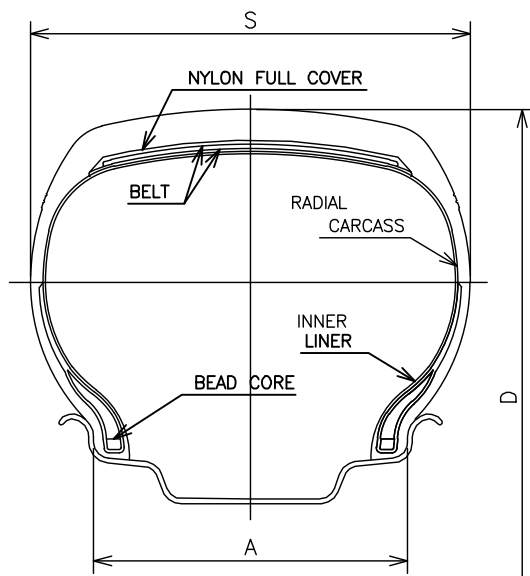
TREAD PATTERNS

REFER TO ATTACHMENT NO.11

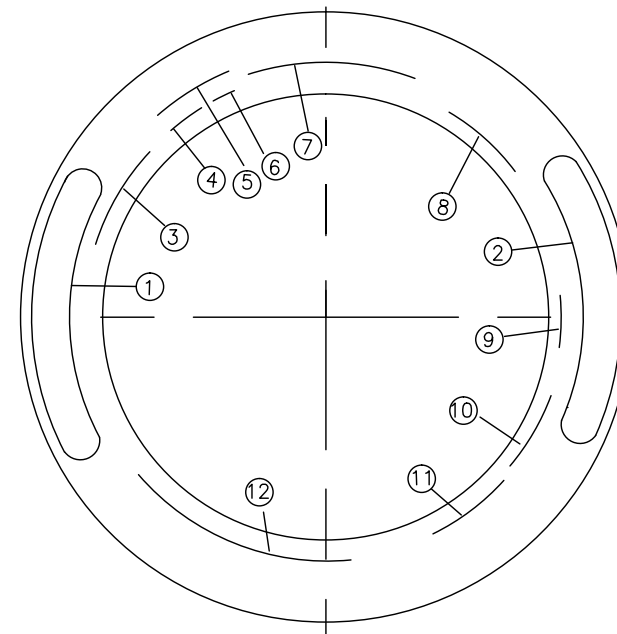
|   |                                                                                                                                 |    |                                                                                                                    |
|---|---------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------|
| 1 | GRENLANDER; ARIVO; CONSTANCY; ILINK; RHINO; CRYSTAL; LUXXAN; ROADMARCH; T TYRE; ROCKBLADE; FRONWAY; SAILWIN; XBRI               | 9  | MOLD No.                                                                                                           |
| 2 | LY366; L-STRONG36; VAN455; DURAPLUS 36; CARGOPLUS; ROCK 828C; LONGRACE 36; Powermax; INSPIRER L2; PRIMEVAN 36; TRANSITO ARZ6-A; | 10 | MADE IN CHINA                                                                                                      |
| 3 | 205/75R16C 110/108R 8PR                                                                                                         | 11 | PLIES: SIDEWALL 2POLYESTER TREAD: 2POLYESTER+2STEEL+1NYLON                                                         |
| 4 | SAFETY WARNING                                                                                                                  | 12 | RADIAL TUBELESS                                                                                                    |
| 5 | 205/75R16C                                                                                                                      | 13 | MAX. LOAD SINGLE 1060kg (2335LBS) AT 475KPa (69PSI) COLD<br>MAX. LOAD DUAL 1000kg (2205LBS) AT 475KPa (69PSI) COLD |
| 6 | ECE APPROVAL MARK                                                                                                               | 14 | LOAD RANGE D                                                                                                       |
| 7 | DOT 7BE5 AE5 XXXX (DATE CODE)                                                                                                   | 15 | DOT 7BE5 AE5                                                                                                       |
| 8 | STANDARD RIM 5 1/2J                                                                                                             | 16 | 205/75R16LT                                                                                                        |

| TIRE SIZE                 | D(mm) | S(mm) | A(mm) | LOAD INDEX<br>SPEED CODE | REMARK |
|---------------------------|-------|-------|-------|--------------------------|--------|
| 205/75R16C or 205/75R16LT | 714   | 203   | 139.5 | 110/108R                 | _____  |

|                                  |                 |             |             |              |             |                                                     |
|----------------------------------|-----------------|-------------|-------------|--------------|-------------|-----------------------------------------------------|
| SCALE : FREE                     | DATE : 2019.3.2 | DESIGNED BY | CHECKED BY  | APPROVED BY  | DRAWING NO. |                                                     |
| SHANDONG LONGYUE RUBBER CO. LTD. |                 | Zhao Yang   | Xie Baoshan | Shen Maoqiao | TITLE       | 205/75R16C 110/108R 8PR or 205/75R16LT 110/108R 8PR |



UPPER



LOWER

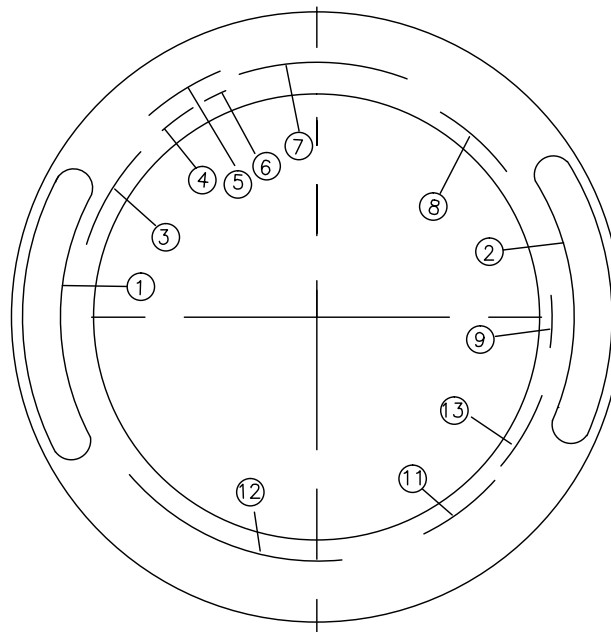
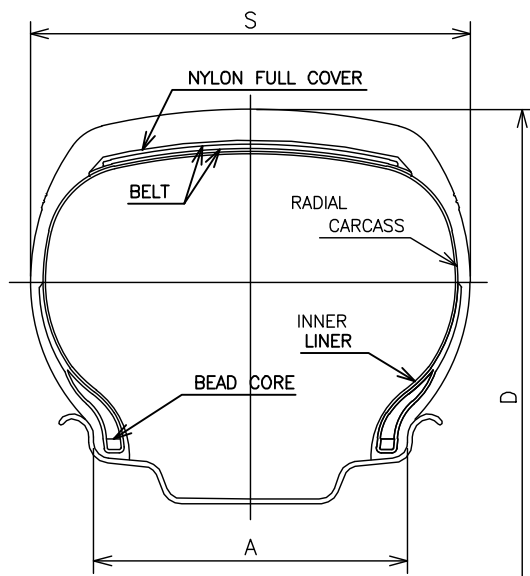
TREAD PATTERNS

REFER TO ATTACHMENT NO.11

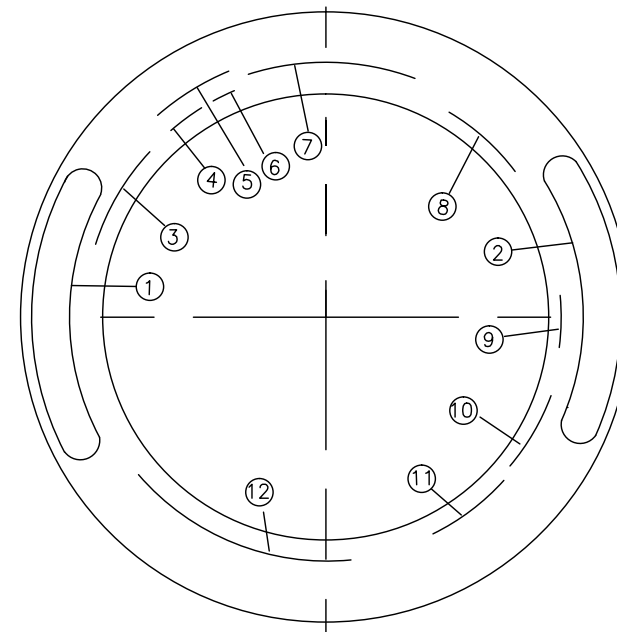
|   |                                                                                                                            |    |                                                                                                                                                |
|---|----------------------------------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | GRENLANDER; ARIVO; CONSTANCY; ILINK; RHINO; CRYSTAL; LUXXAN; ROADMARCH; T TYRE; ROCKBLADE; FRONWAY; SAILWIN; XBRI          | 8  | LOAD RANGE D<br>MAX. LOAD SINGLE 1060kg (2335LBS) AT 475kPa (69PSI) MAX.PRESS.<br>MAX. LOAD DUAL 1000kg (2205LBS) AT 475kPa (69PSI) MAX.PRESS. |
| 2 | LY288; L-POWER28; CITYMAX; DURAMAX 28; Strength; INSPIRER L6; TRANSITO ARZ6-M; ROCK 818; GTR501; RACINGMAX 28; PRIMEVAN 28 | 9  | MADE IN CHINA                                                                                                                                  |
| 3 | PLIES: TREAD 2POLYESTER+2STEEL+1NYLON<br>SIDEWALL 2POLYESTER                                                               | 10 | DOT 17B XXXXXX XXXX (DATE CODE)                                                                                                                |
| 4 | RIM: 5 1/2J                                                                                                                | 11 | ECE APPROVAL MARK                                                                                                                              |
| 5 | RADIAL TUBELESS                                                                                                            | 12 | SAFETY WARNING                                                                                                                                 |
| 6 | MOLD No.                                                                                                                   | 13 | DOT 17B XXXXXX                                                                                                                                 |
| 7 | 205/75R16C 110/108R 8PR or 205/75R16LT 110/108R 8PR                                                                        |    |                                                                                                                                                |

| TIRE SIZE                 | D(mm) | S(mm) | A(mm) | LOAD INDEX<br>SPEED CODE | REMARK |
|---------------------------|-------|-------|-------|--------------------------|--------|
| 205/75R16C or 205/75R16LT | 714   | 203   | 139.5 | 110/108R                 | _____  |

|                                  |                 |             |             |              |             |                                                     |
|----------------------------------|-----------------|-------------|-------------|--------------|-------------|-----------------------------------------------------|
| SCALE : FREE                     | DATE : 2019.3.2 | DESIGNED BY | CHECKED BY  | APPROVED BY  | DRAWING NO. |                                                     |
| SHANDONG LONGYUE RUBBER CO. LTD. |                 | Zhao Yang   | Xie Baoshan | Shen Maoqiao | TITLE       | 205/75R16C 110/108R 8PR or 205/75R16LT 110/108R 8PR |



UPPER



LOWER

TREAD PATTERNS

REFER TO ATTACHMENT NO.11

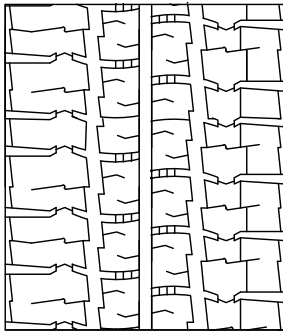
|   |                                                                                                                   |    |                                                                                                                                                |
|---|-------------------------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | GRENLANDER; ARIVO; CONSTANCY; ILINK; RHINO; CRYSTAL; LUXXAN; ROADMARCH; T TYRE; ROCKBLADE; FRONWAY; SAILWIN; XBRI | 8  | LOAD RANGE D<br>MAX. LOAD SINGLE 1060kg (2335LBS) AT 475kPa (69PSI) MAX.PRESS.<br>MAX. LOAD DUAL 1000kg (2205LBS) AT 475kPa (69PSI) MAX.PRESS. |
| 2 | LY399; VANPLUS 09; L-MAX9; INSPIRER L4; TWENTY; VANTOUR 09; ROCK 838C; RT28; TRANSITO ARZ6-X; PRIMEVAN 9          | 9  | MADE IN CHINA                                                                                                                                  |
| 3 | PLIES: TREAD 2POLYESTER+2STEEL+1NYLON<br>SIDEWALL 2POLYESTER                                                      | 10 | DOT 17B XXXXXX XXXX (DATE CODE)                                                                                                                |
| 4 | RIM: 5 1/2J                                                                                                       | 11 | ECE APPROVAL MARK                                                                                                                              |
| 5 | RADIAL TUBELESS                                                                                                   | 12 | SAFETY WARNING                                                                                                                                 |
| 6 | MOLD No.                                                                                                          | 13 | DOT 17B XXXXXX                                                                                                                                 |
| 7 | 205/75R16C 110/108R 8PR or 205/75R16LT 110/108R 8PR                                                               |    |                                                                                                                                                |

| TIRE SIZE                 | D(mm) | S(mm) | A(mm) | LOAD INDEX<br>SPEED CODE | REMARK |
|---------------------------|-------|-------|-------|--------------------------|--------|
| 205/75R16C or 205/75R16LT | 714   | 203   | 139.5 | 110/108R                 | _____  |

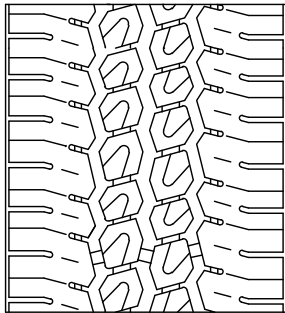
|                                  |                 |             |             |              |             |                                                     |
|----------------------------------|-----------------|-------------|-------------|--------------|-------------|-----------------------------------------------------|
| SCALE : FREE                     | DATE : 2019.3.2 | DESIGNED BY | CHECKED BY  | APPROVED BY  | DRAWING NO. |                                                     |
| SHANDONG LONGYUE RUBBER CO. LTD. |                 | Zhao Yang   | Xie Baoshan | Shen Maoqiao | TITLE       | 205/75R16C 110/108R 8PR or 205/75R16LT 110/108R 8PR |

ATTACHMENT NO.11

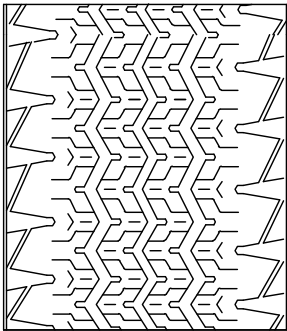
TIRE SIZE 205/75R16C 110/108R 8PR  
or 205/75R16LT 110/108R 8PR



|                                                                                                                                                |       |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| LY366; L-STRONG36;<br>VAN455; DURAPLUS 36;<br>CARGOPLUS; ROCK 828C;<br>LONGRACE 36; Powermax;<br>INSPIRER L2; PRIMEVAN 36;<br>TRANSITO ARZ6-A; | SKID  |
|                                                                                                                                                | DEPTH |
|                                                                                                                                                | 9.0   |



|                                                                                                                                           |       |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------|
| LY288; L-POWER28;<br>CITYMAX; DURAMAX 28;<br>Strength; INSPIRER L6;<br>TRANSITO ARZ6-M;<br>ROCK 818; GTR501;<br>RACINGMAX 28; PRIMEVAN 28 | SKID  |
|                                                                                                                                           | DEPTH |
|                                                                                                                                           | 8.0   |



|                                                                                                                         |       |
|-------------------------------------------------------------------------------------------------------------------------|-------|
| LY399; VANPLUS 09;<br>L-MAX9; INSPIRER L4;<br>TWENTY; VANTOUR 09;<br>ROCK 838C; RT28;<br>TRANSITO ARZ6-X;<br>PRIMEVAN 9 | SKID  |
|                                                                                                                         | DEPTH |
|                                                                                                                         | 9.0   |

DRAWN BY Wang Tong CHECKED BY Xie Baoshan APPROVED BY Shen Maoqiao

SHANDONG LONGYUE RUBBER TYRE CO.,LTD.