

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

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- ~~approval withdrawn~~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

of a type of tyre for motor vehicles pursuant to Regulation number 54.

**Approval number: E4\*54R00/23\*47582\*00**

1. Manufacturer's name and address : ZODO TIRE CO., LIMITED.  
The South of Yalujiang Road Wenzhuang  
Village, Qinghe Agency of Cao County Heze  
City, Shandong Province 274400 China (PRC)
2. Tyre type designation <sup>(2)</sup> : 205/75R16C 110/108R
- 2.1. Brand name(s)/trademark(s) : CONSTANCY; ILINK; LUXXAN; RHINO;  
ARIVO; GRENLANDER; T TYRE; CRYSTAL;  
ROCKBLADE; FRONWAY; SAILWIN; XBRI;  
ROADMARCH; KANGS; ZMAX;  
XCENTWAY; ADERENZA; CONCEPTA
- 2.2. Trade description (s)/Commercial  
name(s)/ : Winter GL989; Winter IL989; ICEPOWER 989;  
ICEWINNER 989; WINMASTER ARW6;  
INSPIRER W22; THIRTY; ROCK 989S;  
SNOWROVER 989; ICEPIONEER 989;  
GREENTOUR A/S; MULTIMILE A/S;  
FRONTOUT A/S; FREIMILE A/S; Vanderful  
A/S; INSPIRER A/S 2; FORTY; ROCK A/S  
TWO; VAN A/S; CARGOPLUS 2; X-SPIDER+  
A/S; ICEHAWKE I; SNOWGRIPPER I;  
ICEMASTER I; SNOWHAWKE I; Winmaster  
ProX ARW3; SNOWPLOTTER I; ICECRUISER  
I; Winter Xpro 888; WINTERHAWKE I;  
POLARSNOW; MAGA A/T TWO; FORZA A/T  
2; TERRAMAX LSR2 A/T; TERRA XPLOER  
C2 A/T; GLADIATAX A/T II; ROCKBLADE

A/T II; TERRAMAX ARV PRO A/T;  
INSPIRER A/T II; TOUGH TRAC A/T II;  
ROCK 737 A/T; PRIMEMAX A/T II;  
CAPACITY; CLIMBER A/T II; DREAMWIND  
A/T; OPENLAND A/T D2; MILEPRO C30;  
TOURPRO C3 0; DURAPLUS C30;  
LONGRACE C30; TRANSITO ARZ6-C;  
INSPIRER L5; ROCK 830C; VANXPRO;  
VANMEJOR C30; Perseverant 905;  
CARGOMAX D2

3. If applicable, name and address of the manufacturer's representative : N.A.
4. Summarized description:
- 4.1. Size of tyre : 205/75R16C
- 4.2. Category of use : ~~normal~~/snow/special<sup>(1)</sup>
- 4.3. Structure : ~~diagonal (bias-ply)~~/radial<sup>(1)</sup>
- 4.4. Tyre class : C2/~~C3~~<sup>(1)</sup>
- 4.5. Speed category symbol:
- 4.5.1. nominal : R
- 4.5.2. additional (if applicable) : N.A.
- 4.6. Load-capacity indices:
- 4.6.1. Corresponding to nominal speed:  
– single : 110  
– twinned (dual) : 108
- 4.6.2. Corresponding to additional speed:  
– single : N.A.  
– twinned (dual) : N.A.
5. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : IDIADA Automotive Technology, S.A.  
L'Albornar, P.O. Box 20  
43710 Santa Oliva (Tarragona), SPAIN
6. Date of report issued by that service : March 05, 2021
7. Number of report issued by that service : CN21030113
8. Reason(s) for extension (if applicable) : N.A.
9. Any remarks

10. Place : Zoetermeer
11. Date : 01 April 2021
12. Signature :



**R. R. van der Spek**

13. Annexed to this communication is a list of documents in the approval file deposited at the administrative service having delivered the approval and which can be obtained upon request.
- Application form relating to ECE approval for a pneumatic tyre pursuant to Regulation number 54.
  - The drawing of the tyre's sidewalls, tread and dimensioned cross-section.
  - The test report as mentioned in item 7.

---

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

<sup>(2)</sup> A list of brand name(s)/trademark(s) or Trade description(s)/ Commercial name(s) may be annexed to this communication.

## Statement manufacturer and authorization regarding application

This statement must only be sent with new "00" applications. This applies to both the statements that the application has not been submitted to another authority and the authorization of the applicant. If the authorized party is changed in the meantime (i.e. in case of an extension or correction request), this declaration must be filled in again.

1 **EC & UNECE type-approval number** : E4\*54R00/23\*47582\*00

2 ☒ **Manufacturer/** ☐ **Manufacturer's representative** <sup>(1)</sup>

3 Company name : ZODO TIRE CO., LIMITED

4 Name authorized person : Hailong Ren

5 Job title : Supervision

6 E-mail address : 295512660@qq.com

7 Address manufacturer : The South of Yalujiang Road, Wenzhuang Village, Qinghe Agency of Cao County  
Heze City, Shandong Province 274400, China (PRC)

8 Country : China(PRC)

### 9 Statement

10 Hereby : Hailong Ren ,

11 declares on behalf of  
the manufacturer : ZODO TIRE CO., LIMITED ,

12 for the application with  
type-approval number : E4\*54R00/23\*47582\*00 ,

13 the following:

14 a) the manufacturer has not applied for an EC & UNECE type-approval for the same type to any other approval  
authority, and no other approval authority granted the manufacturer such an approval;

15 b) no approval authority has refused to grant type-approval of that type;

16 c) no approval authority has withdrawn type-approval of that type;

17 d) the manufacturer has not revoked an application for a type-approval of that type.

### 18 Authorization regarding handling of this application (if applicable) <sup>(2)</sup>

19 Company name : IDIADA Automotive Technology, S.A.

20 E-mail address : QualityHomologations@idiada.com

21 Address : PO Box 20 Santa Oliva, l'Albornar 43710, Tarragona

22 Country : Spain

### 23 Authorization

24 By means of this  
declaration, I : Hailong Ren ,

25 on behalf of : ZODO TIRE CO., LIMITED ,

26 authorizes : IDIADA Automotive Technology, S.A. ,

27 to respectively apply for a type-approval with type-approval number:  
E4\*54R00/23\*47582\*00 ,

28 handle all communication concerning this application and receive the type-approval certificate.

29 **Date**

**Place**

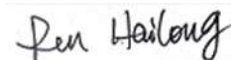
**Name:**

30 05/03/2021

Heze, China

ZODO TIRE CO., LIMITED

31 On their behalf, signature :



32 Name : Hailong Ren

<sup>(1)</sup> Mark the specific checkbox.

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

TECHNICAL DOCUMENTATION

**APPLICATION FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE ACCORDING TO ECE REGULATION No.  
54, 00 SERIES OF AMENDMENTS**

- |        |                                                                     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------|---------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.     | Tyre type designation                                               | : | 205/75R16C 110/108R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1.1    | Trademark                                                           | : | CONSTANCY; ILINK; LUXXAN; RHINO; ARIVO;<br>GRENLANDER; T TYRE; CRYSTAL; ROCKBLADE;<br>FRONWAY; SAILWIN; XBRI; ROADMARCH; KANGS;<br>ZMAX; XCENTWAY; ADERENZA; CONCEPTA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 1.2    | Tread pattern                                                       | : | Winter GL989; Winter IL989; ICEPOWER 989; ICEWINNER<br>989; WINMASTER ARW6; INSPIRER W22; THIRTY;<br>ROCK 989S; SNOWROVER 989; ICEPIONEER 989;<br>GREENTOUR A/S; MULTIMILE A/S; FRONTOUR A/S;<br>FREIMILE A/S; Vanderful A/S; INSPIRER A/S 2; FORTY;<br>ROCK A/S TWO; VAN A/S; CARGOPLUS 2; X-SPIDER+<br>A/S; ICEHAWKE I; SNOWGRIPPER I; ICEMASTER I;<br>SNOWHAWKE I; Winmaster ProX ARW3; SNOWPLOTTER<br>I; ICECRUISER I; Winter Xpro 888; WINTERHAWKE I;<br>POLARSNOW; MAGA A/T TWO; FORZA A/T 2;<br>TERRAMAX LSR2 A/T; TERRA XPLOER C2 A/T;<br>GLADIATAX A/T II; ROCKBLADE A/T II; TERRAMAX<br>ARV PRO A/T; INSPIRER A/T II; TOUGH TRAC A/T II;<br>ROCK 737 A/T; PRIMEMAX A/T II; CAPACITY; CLIMBER<br>A/T II; DREAMWIND A/T; OPENLAND A/T D2;<br>MILEPRO C30; TOURPRO C3 0; DURAPLUS C30;<br>LONGRACE C30; TRANSITO ARZ6-C; INSPIRER L5;<br>ROCK 830C; VANXPRO; VANMEJOR C30; Perseverant 905;<br>CARGOMAX D2 |
| 2.     | Manufacturer's name and address                                     | : | ZODO TIRE CO., LIMITED<br>The South of Yalujiang Road Wenzhuang Village, Qinghe<br>Agency of Cao County Heze City, Shandong Province 274400<br>China (PRC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3.     | If applicable, name and address of<br>manufacturer's representative | : | not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.     | Summarised description,                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 4.1.   | Tyre size designation                                               | : | 205/75R16C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 4.2.   | Category of use                                                     | : | <del>normal</del> /special/snow <sup>(1)</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.3.   | Structure                                                           | : | <del>diagonal (bias ply)</del> /radial <sup>(1)</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 4.4.   | Speed category symbol                                               | : |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 4.4.1. | Nominal                                                             | : | R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 4.4.2. | Additional (if applicable)                                          | : | not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.5.   | Load capacity indices                                               |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 4.5.1. | corresponding to nominal speed                                      | : | single:110, twinned (dual):108                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.5.2. | corresponding to additional speed                                   | : | single: --- , twinned (dual): ---                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 5.     | Factor 'x'                                                          | : | 0.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 6.     | Ply-rating number for diagonal (bias-ply) tyres                     | : | Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 7.     | Rims on which the tyre can be mounted                               | : | 5 1/2 J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 8.     | Measuring rim and test rim                                          | : | see attached test report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 9.     | Tyre class                                                          | : | C2 / <del>C3</del> <sup>(1)</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 10.    | State whether the tyre is                                           | : | tubeless / <del>tube type</del> <sup>(1)</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 11.    | Traction tyre                                                       | : | <del>Yes</del> / no( see the tread pattern detail in drawing) <sup>(1)</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 12.    | State if special use tyre                                           | : | n.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|        | Professional Off-Road                                               | : | <del>Yes</del> / no <sup>(1)</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|        | Tread depth                                                         | : | n.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|        | Void to fill ratio                                                  | : | n.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 13.    | Inflation pressure and index for                                    | : | see attached test report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

(1) Strike out what does not apply.

(2) Modified points are underlined for extension.

measuring and testing

14. Submitted for approval on (date) : 2020/12/15

We herewith declare that we have not applied and will not apply for approval with another Contracting Party of the ECE for the same type of product.



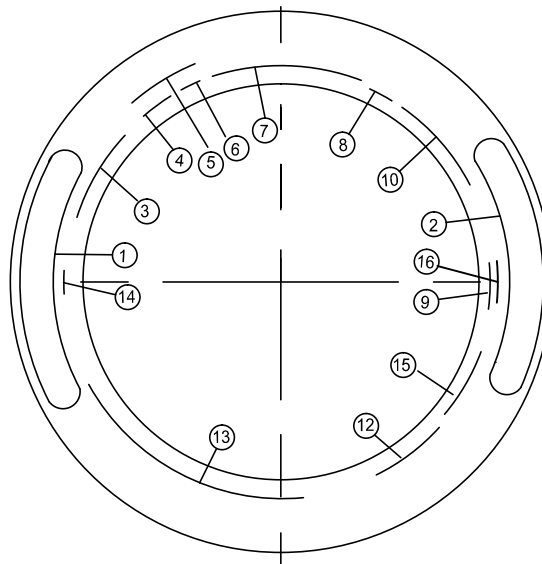
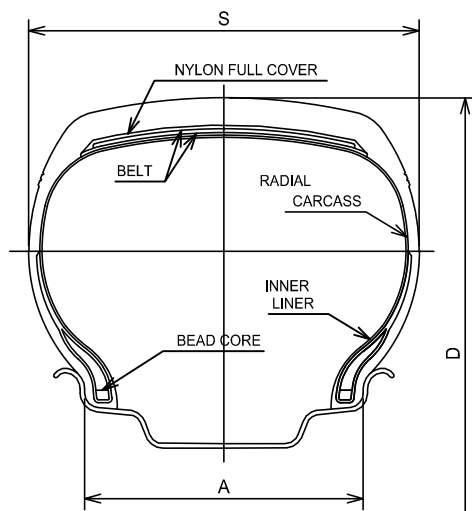
Signature : *Ren Hailong*

.....

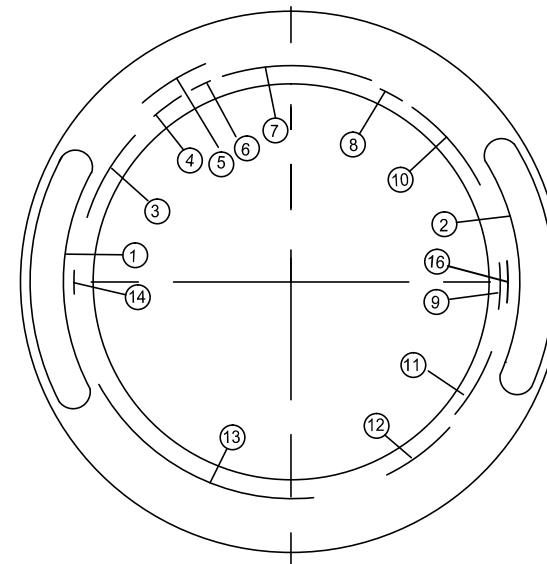
Name:

THIS APPLICATION IS ACCOMPANIED BY:

- Application form, relating to ECE approval for pneumatic tyre pursuant Regulation No.54
- A drawing of the tyre's side wall, tread and dimensioned cross section.
- The test report.



UPPER



LOWER

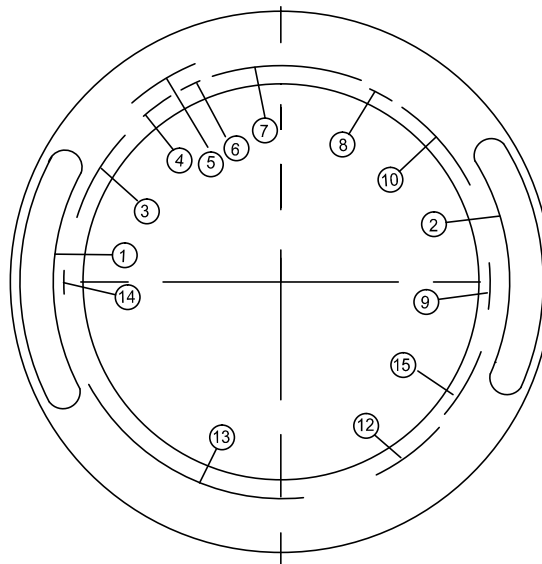
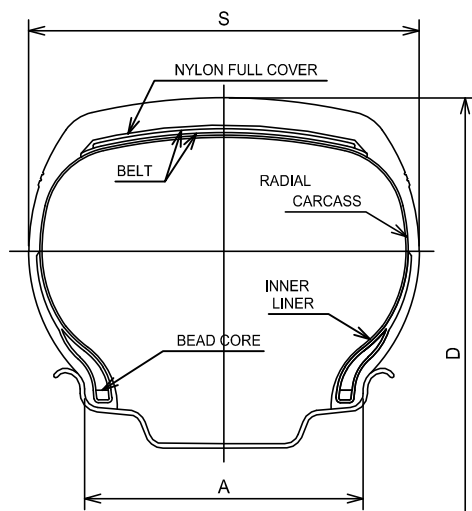
TREAD PATTERNS

REFER TO ATTACHMENT 20201212

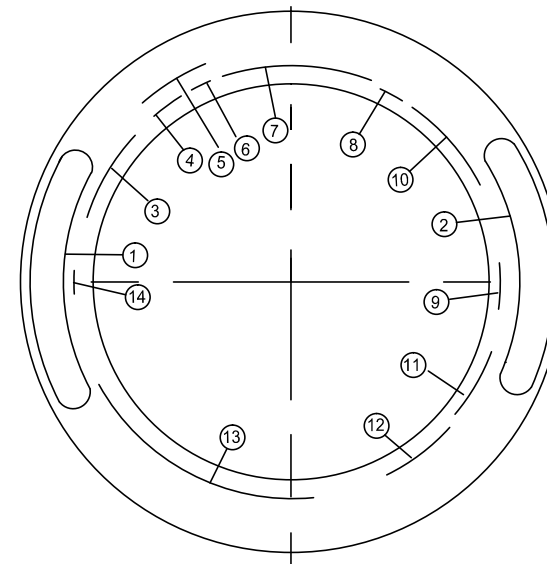
|   |                                                                                                                                                              |    |                                                                                                                                                        |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | CONSTANCY; ILINK; LUXXAN; RHINO; ARIVO; GRENLANDER; TTYRE; CRYSTAL; ROCKBLADE; FRONWAY; SAILWIN; XBRI; ROADMARCH; KANGS; ZMAX; XCENTWAY; ADERENZA; CONCEPTA; | 8  | M+S                                                                                                                                                    |
|   |                                                                                                                                                              | 9  | MADE IN CHINA                                                                                                                                          |
| 2 | Tread pattern : please refer to attachment 20201212 in figure 1                                                                                              | 10 | LOAD RANGE D<br>MAX. LOAD SINGLE 1060 kg (2337 LBS) AT 475 kPa (69 PSI) MAX.PRESS.<br>MAX. LOAD DUAL 1000 kg (2204 LBS) AT 475 kPa (69 PSI) MAX.PRESS. |
| 3 | PLIES:TREAD 2 POLYESTER+2 STEEL+1 NYLON<br>SIDEWALL 2 POLYESTER                                                                                              | 11 | DOT 17B XXXXXX XXXX (DATE CODE)                                                                                                                        |
|   |                                                                                                                                                              | 12 | ECE APPROVAL MARK                                                                                                                                      |
| 4 | RIM: 5 1/2 J                                                                                                                                                 | 13 | SAFETY WARNING                                                                                                                                         |
| 5 | RADIAL TUBELESS                                                                                                                                              | 14 |                                                                                                                                                        |
| 6 | MOLD No.                                                                                                                                                     | 15 | DOT 17B XXXXXX                                                                                                                                         |
| 7 | 205/75R16C 110/108R 8PR                                                                                                                                      | 16 | STUDLESS                                                                                                                                               |

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

|                       |                   |             |             |              |             |                         |
|-----------------------|-------------------|-------------|-------------|--------------|-------------|-------------------------|
| SCALE : FREE          | DATE : 2020.12.15 | DESIGNED BY | CHECKED BY  | APPROVED BY  | DRAWING NO. |                         |
| ZODO TIRE CO.,LIMITED |                   | Xu Huili    | Xie Baoshan | Shen Maoqiao | TITLE       | 205/75R16C 110/108R 8PR |



UPPER



LOWER

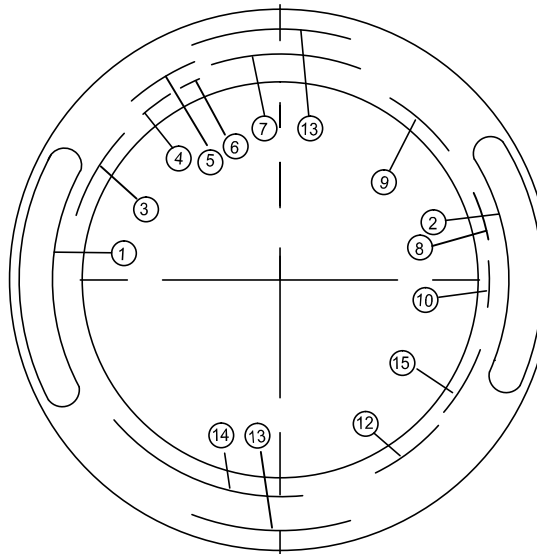
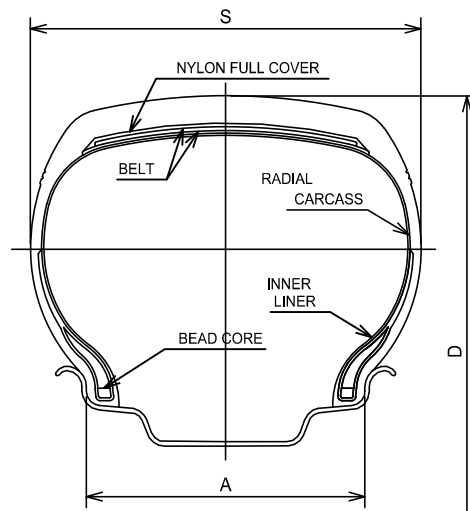
TREAD PATTERNS

REFER TO ATTACHMENT 20201212

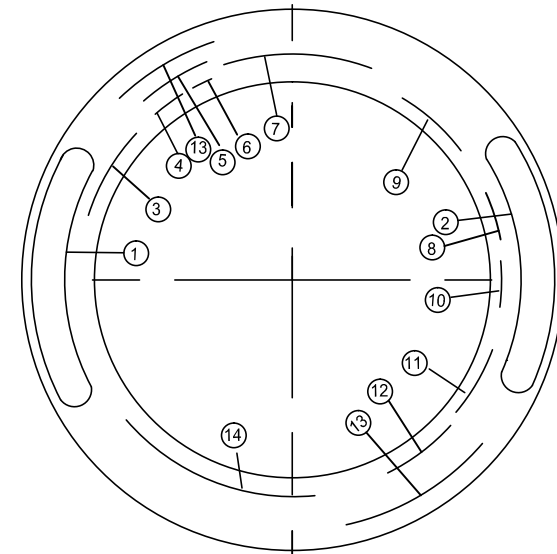
|   |                                                                                                                                                              |    |                                                                                                                                                        |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | CONSTANCY; ILINK; LUXXAN; RHINO; ARIVO; GRENLANDER; TTYRE; CRYSTAL; ROCKBLADE; FRONWAY; SAILWIN; XBRI; ROADMARCH; KANGS; ZMAX; XCENTWAY; ADERENZA; CONCEPTA; | 8  | M+S                                                                                                                                                    |
|   |                                                                                                                                                              | 9  | MADE IN CHINA                                                                                                                                          |
| 2 | Tread pattern : please refer to attachment 20201212 in figure 2                                                                                              | 10 | LOAD RANGE D<br>MAX. LOAD SINGLE 1060 kg (2337 LBS) AT 475 kPa (69 PSI) MAX.PRESS.<br>MAX. LOAD DUAL 1000 kg (2204 LBS) AT 475 kPa (69 PSI) MAX.PRESS. |
| 3 | PLIES:TREAD 2 POLYESTER+2 STEEL+1 NYLON<br>SIDEWALL 2 POLYESTER                                                                                              | 11 | DOT 17B XXXXXX XXXX (DATE CODE)                                                                                                                        |
|   |                                                                                                                                                              | 12 | ECE APPROVAL MARK                                                                                                                                      |
| 4 | RIM: 5 1/2J                                                                                                                                                  | 13 | SAFETY WARNING                                                                                                                                         |
| 5 | RADIAL TUBELESS                                                                                                                                              | 14 | ▲ ALL SEASONS                                                                                                                                          |
| 6 | MOLD No.                                                                                                                                                     | 15 | DOT 17B XXXXXX                                                                                                                                         |
| 7 | 205/75R16C 110/108R 8PR                                                                                                                                      |    |                                                                                                                                                        |

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

|                       |                   |             |             |              |             |                         |
|-----------------------|-------------------|-------------|-------------|--------------|-------------|-------------------------|
| SCALE : FREE          | DATE : 2020.12.15 | DESIGNED BY | CHECKED BY  | APPROVED BY  | DRAWING NO. |                         |
| ZODO TIRE CO.,LIMITED |                   | Xu Huili    | Xie Baoshan | Shen Maoqiao | TITLE       | 205/75R16C 110/108R 8PR |



UPPER



LOWER

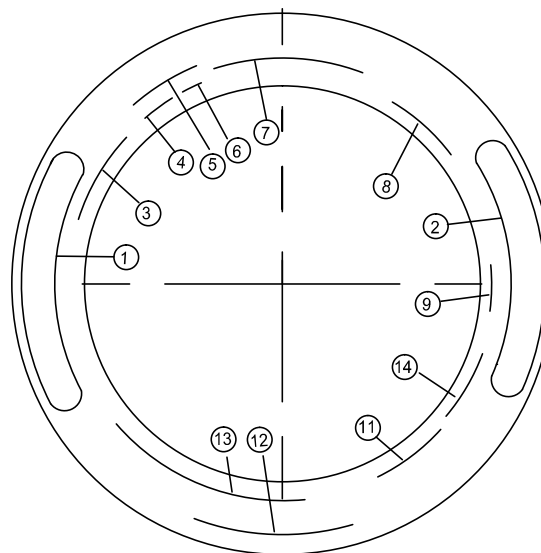
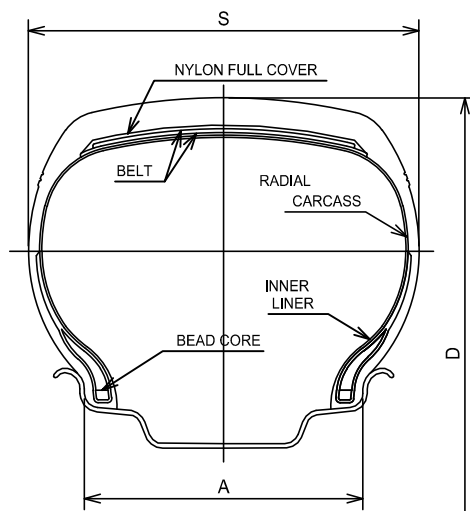
TREAD PATTERNS

REFER TO ATTACHMENT 20201212

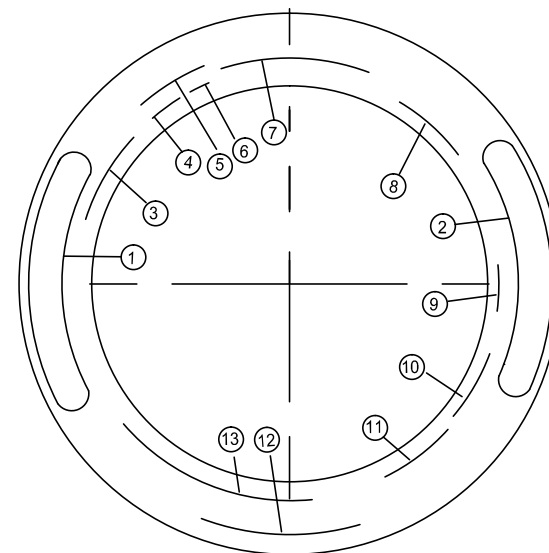
|   |                                                                                                                                                              |    |                                                                                                                                                        |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | CONSTANCY; ILINK; LUXXAN; RHINO; ARIVO; GRENLANDER; TTYRE; CRYSTAL; ROCKBLADE; FRONWAY; SAILWIN; XBRI; ROADMARCH; KANGS; ZMAX; XCENTWAY; ADERENZA; CONCEPTA; | 9  | LOAD RANGE D<br>MAX. LOAD SINGLE 1060 kg (2337 LBS) AT 475 kPa (69 PSI) MAX.PRESS.<br>MAX. LOAD DUAL 1000 kg (2204 LBS) AT 475 kPa (69 PSI) MAX.PRESS. |
| 2 | Tread pattern : please refer to attachment 20201212 in figure 3                                                                                              | 10 | MADE IN CHINA                                                                                                                                          |
| 3 | PLIES:TREAD 2POLYESTER+2STEEL+1NYLON<br>SIDEWALL 2POLYESTER                                                                                                  | 11 | DOT 17B XXXXXX XXXX (DATE CODE)                                                                                                                        |
| 4 | RIM:5 1/2J                                                                                                                                                   | 12 | ECE APPROVAL MARK                                                                                                                                      |
| 5 | RADIAL TUBELESS                                                                                                                                              | 13 | ROTATION(LOWER)/ROTATION(UPPER)                                                                                                                        |
| 6 | MOLD No.                                                                                                                                                     | 14 | SAFETY WARNING                                                                                                                                         |
| 7 | 205/75R16C 110/108R 8PR M+S                                             | 15 | DOT 17B XXXXXX                                                                                                                                         |
| 8 | STUDLESS                                                                                                                                                     | 16 |                                                                                                                                                        |

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

|                       |                   |             |             |              |             |                         |
|-----------------------|-------------------|-------------|-------------|--------------|-------------|-------------------------|
| SCALE : FREE          | DATE : 2020.12.15 | DESIGNED BY | CHECKED BY  | APPROVED BY  | DRAWING NO. |                         |
| ZODO TIRE CO.,LIMITED |                   | Xu Huili    | Xie Baoshan | Shen Maoqiao | TITLE       | 205/75R16C 110/108R 8PR |



UPPER



LOWER

TREAD PATTERNS

REFER TO ATTACHMENT 20201212

|   |                                                                                                                                                              |    |                                                                                                                                                        |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | CONSTANCY; ILINK; LUXXAN; RHINO; ARIVO; GRENLANDER; TTYRE; CRYSTAL; ROCKBLADE; FRONWAY; SAILWIN; XBRI; ROADMARCH; KANGS; ZMAX; XCENTWAY; ADERENZA; CONCEPTA; | 8  | LOAD RANGE D<br>MAX. LOAD SINGLE 1060 kg (2337 LBS) AT 475 kPa (69 PSI) MAX.PRESS.<br>MAX. LOAD DUAL 1000 kg (2204 LBS) AT 475 kPa (69 PSI) MAX.PRESS. |
| 2 | Tread pattern : please refer to attachment 20201212 in figure 4 and in figure 5                                                                              | 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 | TREADWEAR XXX TRACTION X TEMPERATURE X                                                                                                                 |
| 6 | MOLD No.                                                                                                                                                     | 13 | SAFETY WARNING                                                                                                                                         |
| 7 | 205/75R16C 110/108R 8PR M+S                                                                                                                                  | 14 | DOT 17B XXXXXX                                                                                                                                         |

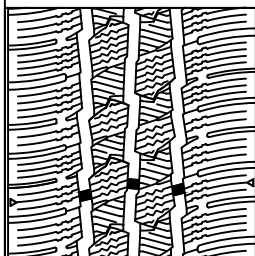
| TIRE SIZE  | D(mm) | S(mm) | A(mm) | LOAD INDEX<br>SPEED CODE | REMARK |
|------------|-------|-------|-------|--------------------------|--------|
| 205/75R16C | 714   | 203   | 139.5 | 110/108R                 | —      |

|                       |                   |             |             |              |             |                         |
|-----------------------|-------------------|-------------|-------------|--------------|-------------|-------------------------|
| SCALE : FREE          | DATE : 2020.12.15 | DESIGNED BY | CHECKED BY  | APPROVED BY  | DRAWING NO. |                         |
| ZODO TIRE CO.,LIMITED |                   | Xu Huili    | Xie Baoshan | Shen Maoqiao | TITLE       | 205/75R16C 110/108R 8PR |

TIRE SIZE 205/75R16C 110/108R

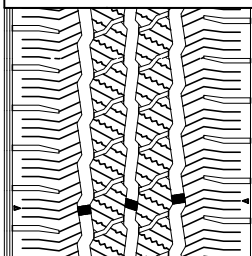
## ATTACHMENT 20201212

Figure 1



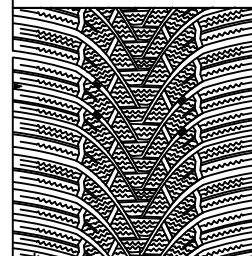
Winter GL989;  
Winter IL989;  
ICEPOWER 989;  
ICEWINNER 989;  
WINMASTER ARW6;  
INSPIRER W22;  
THIRTY;  
ROCK 989S;  
SNOWROVER 989;  
ICEPIONEER 989;

Figure 2



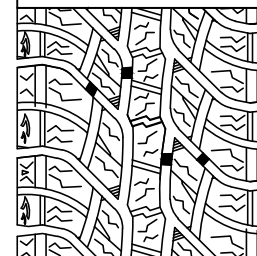
GREENTOUR A/S;  
MULTIMILE A/S;  
FRONTOUR A/S;  
FREIMILE A/S;  
Vanderful A/S;  
CARGOPLUS 2;  
INSPIRER A/S 2;  
FORTY; ROCK A/S TWO;  
VAN A/S; X-SPIDER+ A/S;

Figure 3



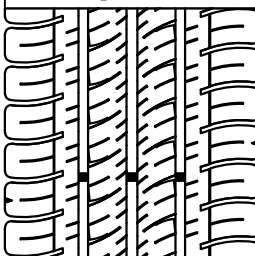
ICEHAWKE I;  
SNOWGRIPPER I;  
ICEMASTER I;  
SNOWHAWKE I;  
Winmaster ProX ARW3;  
SNOWPLOTTER I;  
ICECRUISER I;  
Winter Xpro 888;  
WINTERHAWKE I;  
POLARSNOW;

Figure 4



MAGA A/T TWO; FORZA A/T 2;  
TERRAMAX LSR2 A/T;  
TERRA XPLOER C2 A/T;  
GLADIATAX A/T II; ROCKBLADE A/T II;  
TERRAMAX ARV PRO A/T;  
INSPIRER A/T II; TOUGH TRAC A/T II;  
ROCK 737 A/T;  
PRIME MAX A/T II;  
CAPACITY;  
CLIMBER A/T II;  
DREAMWIND A/T;  
OPENLAND A/T D2;

Figure 5



MILEPRO C30; TOURPRO C30;  
DURAPLUS C30;  
LONGRACE C30;  
TRANSITO ARZ6-C;  
INSPIRER L5;  
ROCK 830C; VANXPRO;  
VANMEJOR C30;  
Perseverant 905;  
CARGOMAX D2;

6 TREAD WEAR INDICATORS EQUALLY SPACED

DRAWN BY

Xu Huili

CHECKED BY

Xie Baoshan

APPROVED BY

Shen Maoqiao

ZODO TIRE CO., LIMITED

**REPORT No. CN21030113****APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES  
AND THEIR TRAILERS REFERRING TO UN REGULATION NO. 54R00/23**

Approval number : E4\*54R00/23\*47582\*00

Applicant : ZODO TIRE CO., LIMITED.

Manufacturer : ZODO TIRE CO., LIMITED.  
The South of Yalujiang Road Wenzhuang Village, Qinghe  
Agency of Cao County Heze City, Shandong Province 274400  
China (PRC)

Brand-name(s)/trademark(s) : CONSTANCY; ILINK; LUXXAN; RHINO; ARIVO;  
GRENLANDER; T TYRE; CRYSTAL; ROCKBLADE; FRONWAY; SAILWIN; XBRI; ROADMARCH;  
KANGS; ZMAX; XCENTWAY; ADERENZA; CONCEPTA

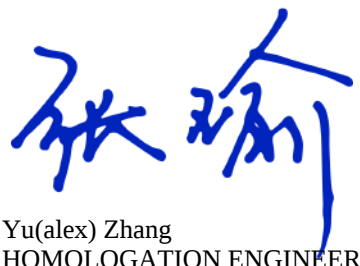
Trade description(s)/Commercial name(s) : Winter GL989; Winter IL989; ICEPOWER 989; ICEWINNER  
989; WINMASTER ARW6; INSPIRER W22; THIRTY; ROCK 989S; SNOWROVER 989; ICEPIONEER 989;  
GREENTOUR A/S; MULTIMILE A/S; FRONTOUR A/S; FREIMILE A/S; Vanderful A/S; INSPIRER A/S 2;  
FORTY; ROCK A/S TWO; VAN A/S; CARGOPLUS 2; X-SPIDER+ A/S; ICEHAWKE I; SNOWGRIPPER I;  
ICEMASTER I; SNOWHAWKE I; Winmaster ProX ARW3; SNOWPLOER I; ICECRUISER I; Winter Xpro  
888; WINTERHAWKE I; POLARSNOW; MAGA A/T TWO; FORZA A/T 2; TERRAMAX LSR2 A/T; TERRA  
XPLOER C2 A/T; GLADIATAX A/T II; ROCKBLADE A/T II; TERRAMAX ARV PRO A/T; INSPIRER A/T  
II; TOUGH TRAC A/T II; ROCK 737 A/T; PRIMEMAX A/T II; CAPACITY; CLIMBER A/T II;  
DREAMWIND A/T; OPENLAND A/T D2; MILEPRO C30; TOURPRO C3 0; DURAPLUS C30; LONGRACE  
C30; TRANSITO ARZ6-C; INSPIRER L5; ROCK 830C; VANXPRO; VANMEJOR C30; Perseverant 905;  
CARGOMAX D2

Tyre size designation : 205/75R16C 110/108R

Place and date of test report issue : L'Albornar, Santa Oliva (Tarragona)  
05/03/2021

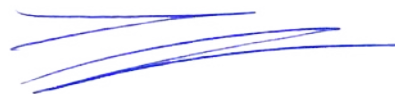
Tested pneumatic tyre **FULFILS** with the specifications regarding to the type approval of approval of pneumatic tyre referring to the Supplement 23 to the original version of the UN Regulation NO. 54 as specified in the annex of this report.

Performed by:



Yu(alex) Zhang  
HOMOLOGATION ENGINEER

Revised by:



Josep Masip Gomez  
DEPARTMENT MANAGER

## ANNEX TO THE REPORT

### 1. TECHNICAL DESCRIPTION OF THE PNEUMATIC TYRE:

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brand-name(s)/trademark(s)              | : CONSTANCY; ILINK; LUXXAN; RHINO; ARIVO; GRENLANDER; T TYRE; CRYSTAL; ROCKBLADE; FRONWAY; SAILWIN; XBRI; ROADMARCH; KANGS; ZMAX; XCENTWAY; ADERENZA; CONCEPTA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Trade description(s)/Commercial name(s) | : Winter GL989; Winter IL989; ICEPOWER 989; ICEWINNER 989; WINMASTER ARW6; INSPIRER W22; THIRTY; ROCK 989S; SNOWROVER 989; ICEPIONEER 989; GREENTOUR A/S; MULTIMILE A/S; FRONTOUR A/S; FREIMILE A/S; Vanderful A/S; INSPIRER A/S 2; FORTY; ROCK A/S TWO; VAN A/S; CARGOPLUS 2; X-SPIDER+ A/S; ICEHAWKE I; SNOWGRIPPER I; ICEMASTER I; SNOWHAWKE I; Winmaster ProX ARW3; SNOWPLOTTER I; ICECRUISER I; Winter Xpro 888; WINTERHAWKE I; POLARSNOW; MAGA A/T TWO; FORZA A/T 2; TERRAMAX LSR2 A/T; TERRA XPLOTTER C2 A/T; GLADIATAX A/T II; ROCKBLADE A/T II; TERRAMAX ARV PRO A/T; INSPIRER A/T II; TOUGH TRAC A/T II; ROCK 737 A/T; PRIMEMAX A/T II; CAPACITY; CLIMBER A/T II; DREAMWIND A/T; OPENLAND A/T D2; MILEPRO C30; TOURPRO C3 0; DURAPLUS C30; LONGRACE C30; TRANSITO ARZ6-C; INSPIRER L5; ROCK 830C; VANXPRO; VANMEJOR C30; Perseverant 905; CARGOMAX D2 |
| Tyre-size designation                   | : 205/75R16C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Category of use                         | : <del>normal</del> / snow- / <del>special</del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Structure                               | : <del>diagonal</del> / <del>bias belted</del> / radial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Speed category index                    | : nominal : R<br>additional : ---                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Load-capacity index                     | : nominal: single : 110<br>twinned : 108<br>additional: single : ---<br>twinned : ---                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| X of the manufacturer /                 | : 0.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tyre cross-section                      | : See technical documentation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## 2. TYRE MARKING

### 2.1. Compulsory Marking

Approval mark

Approval mark Height  $a > 12$  mm : Yes

Tyre definition marking height

Tyre size  $b > 6$  mm : Yes

Load and speed index  $b > 6$  mm : Yes

### 2.2. Additional Marking

“M+S” / “M.S” / “M&S” : M+S

“TUBELESS” : Yes

Index of inflation pressure : 475 kPa

Ply rating : 8PR

“ET” / “ML” / “MPT” : N.A.

“REGROOVABLE” : N.A.

Date of manufacture : 0421

Height of these marking  $c > 4$  mm : YES

## 3. TEST RESULTS.

Sample Reception date : 05/02/2021

Place and test dates : 05/02/2021-06/02/2021  
Heze, China

Sample Id. : CN21030113

Measure rim code :  $5.5 \times 16$

Test rim Code :  $5.5 \times 16$

### 3.1. Pneumatic tyre measurement

Mounting pressure in **measuring rim** : **P(1m) = 4.75 bar**

Conditioning temperature : **Temp. = 28 °C**

Adjusted pressure before conditioning : **P(2m) = 4.75 bar**

Readjusted pressure after **24** hour : **P(3m) = 4.75 bar**

\* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

\* THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN

### 3.1.1. Tyre width measurement:

Measures of **overall width** at six equally-spaced points:

| Point | Overall width (mm) |
|-------|--------------------|
| 1     | 202.3              |
| 2     | 202.4              |
| 3     | 202.1              |
| 4     | 202.5              |
| 5     | 202.1              |
| 6     | 202.4              |
| Point | Maximum width (mm) |
| 4     | 202.5              |

### 3.1.2. Tyre section width calculation:

**S = 203** (mm) given by Annex 5/Calculation

Or

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

|                            |       |
|----------------------------|-------|
| Nominal section width (mm) | 205   |
| K coefficient              | 0.4   |
| Measuring rim Width (mm)   | 139.7 |
| X of the manufacturer      | 0.7   |
| Theoretical rim Width (mm) | 143.5 |

| Maximum measured width (mm) | Section width (mm) | Difference (%) |
|-----------------------------|--------------------|----------------|
| $S_M = 202.5$               | $S = 203$          | -0.25          |

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.

FULFILS / DOES NOT FULFIL

### 3.1.3. Outer diameter measurement

| Maximum circumference (mm) | Outer diameter (mm)<br>$D_{ext} = \frac{L}{\pi}$ |
|----------------------------|--------------------------------------------------|
| 2240                       | 713.0                                            |

### 3.1.4. Tyre outer diameter calculation:

$$D = d + 2H$$

|                                            |                                                                              |
|--------------------------------------------|------------------------------------------------------------------------------|
| Conventional number of the nominal rim(mm) | <b>d = 406 mm</b>                                                            |
| Nominal section width (mm)                 | 205                                                                          |
| Nominal aspect ratio                       | 0.75                                                                         |
| Factor a                                   | 0.97                                                                         |
| Factor b                                   | Radial:1.04 (Normal), 1.06(Special)<br>Diagonal:1.08 (Normal), 1.09(Special) |
| Nominal section height (mm)                | <b>H = 154 mm</b>                                                            |

| Dmin<br>$D_{min} = d + 2(H \times a)$ | Outer diameter D (measured) | Dmax<br>$D_{max} = d + 2(H \times b)$ |
|---------------------------------------|-----------------------------|---------------------------------------|
| 704 mm                                | 713.0 mm                    | 726 mm                                |
| Dmin < D < Dmax                       |                             |                                       |

FULFILS / DOES NOT FULFIL

### 3.2 Load/speed performance test

#### 3.2.1 For tyres with speed category symbol Q and above:

##### Test Conditions

|                                                   |      |
|---------------------------------------------------|------|
| Speed category                                    | R    |
| Load capacity index                               | 110  |
| Maximum velocity (km/h)                           | 170  |
| Test axle load (kg)                               | 1060 |
| Maximum speed during the test (km/h)              | 170  |
| Load of axle during the test (kg)                 | 954  |
| Inflation tyre pressure before conditioning(kpa)  | 475  |
| Conditioning time wheel-tyre assembly(hour)       | 3    |
| Readjusted tyre pressure after conditioning (kpa) | 475  |
| Test wheel diameter (m)                           | 1.7  |
| Temperature (°C)                                  | 25   |

##### Test cycle

| Step  | Duration (min) | Speed (km/h) |
|-------|----------------|--------------|
| 1     | 10             | 0-150        |
| 2     | 10             | 150          |
| 3     | 10             | 160          |
| 4     | 30             | 170          |
| TOTAL | 60             |              |

### 3.2.2 Tyres with speed category symbol P and below:

#### Test Conditions

|                                                   |      |
|---------------------------------------------------|------|
| Speed category                                    | N.A. |
| Load capacity index                               | N.A. |
| Maximum velocity (km/h)                           | N.A. |
| Test drum speed during the test (km/h)            | N.A. |
| Load of axle during the test (kg) (100%)          | N.A. |
| Inflation tyre pressure before conditioning(kpa)  | N.A. |
| Conditioning time wheel-tyre assembly(hour)       | N.A. |
| Readjusted tyre pressure after conditioning (kpa) | N.A. |
| Test wheel diameter (m)                           | N.A. |
| Temperature (°C)                                  | N.A. |

#### Test cycle

| Step  | Duration (h) | Load (kg) |      |
|-------|--------------|-----------|------|
| 1     | N.A.         | N.A.      | N.A. |
| 2     | N.A.         | N.A.      | N.A. |
| 3     | N.A.         | N.A.      | N.A. |
| TOTAL | N.A.         |           |      |

### 3.2.3 Tyre measurement

|                                                            |          |
|------------------------------------------------------------|----------|
| Outer diameter measurement at the start of test            | 713.0 mm |
| Outer diameter measurement at the end of test              | 714.6 mm |
| Percentage of the change in outer diameter measurement (%) | 0.22     |

\* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

\* THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN

**3.3. Test results**

3.3.1. 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.

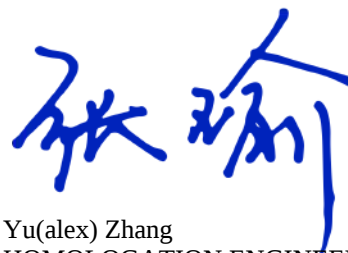
FULFILS / ~~DOES NOT FULFIL~~

3.3.2. Once passed the load/speed endurance test, the tyre must not exhibit any tread separation, ply separation, cord separation, chunking or broken cords.

FULFILS / ~~DOES NOT FULFIL~~

Test Place : Heze, China

Test Date : 05/02/2021-06/02/2021



Yu(alex) Zhang  
HOMOLOGATION ENGINEER

CN21030113

**IDIADA**