

### THE NETHERLANDS (NEDERLAND)





### Concerning (1)

- approval granted
- approval extended
- approval refusal
- approval withdrawn
- production definitely discontinued

of a type of tyre for motor vehicles pursuant to Regulation number 30.

### Approval number: E4\*30R02/22\*109482\*03

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 (2)

: See annex 1 of communication form 2.1. Brand-name(s)/trademark(s)

2.2. Trade description(s)/Commercial name(s) : See annex 1 of communication form

If applicable, name and address of the 3.

manufacturer's representative

: Not applicable

Summarised description

: 215/65R16 4.1. Tyre size designation

Category of use 4.2. : normal/snow/special use /temporary use (1)

: diagonal /bias belted/radial/run flat tyre (1) 4.3. Structure

Speed category symbol

4.5. Load-capacity index : 98

P.O. Box 777 2700 AT Zoetermeer The Netherlands

Tel. +31 (0)79 345 83 02 E-mail typeapproval@rdw.nl www.rdw.nl

Type-approval Department



### Approval number: E4\*30R02/22\*109482\*03

applicable, test laboratory approved for

of conformity

4.6. Extended Mobility Tyre : Yes /No<sup>(1)</sup>

5. Technical service and, where : IDIADA Automotive Technology S.A.Institute for Applied

Automotive Research L' Albornar P.O. Box 20

purposes of approval or of verification E-43710 Santa Oliva (Tarragona)

Spain

6. Date of report issued by that service : 2021-03-29

7. Number of report issued by that service : CN21030999

8. Reason(s) of extension (if applicable) : Update of tyre type designation(s)

Upgrade of regulation supplement number

Update of manufacture name Change of technical service

9. Any remarks : Not applicable

10. Place : Zoetermeer

11. Date : 12 April 2021

12. Signature :

The list of documents in the approval file which are deposited at the administrative service having delivered the approval

- Application form relating to ECE approval for a pneumatic tyre pursuant to Regulation number 30.
- The drawing of the tyre's sidewalls, tread and dimensioned cross-section.
- The test report as mentioned in item 7.

and which can be obtained upon request.

13.

Tyres-passenger-vehicle R30-02 v7.00 Page 2 of 2

<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

Approval number: E4\*30R02/22\*109482\*03

#### Annex 1

### 2. Tyre type designation

### 2.1. Brand-name(s)/trademark(s):

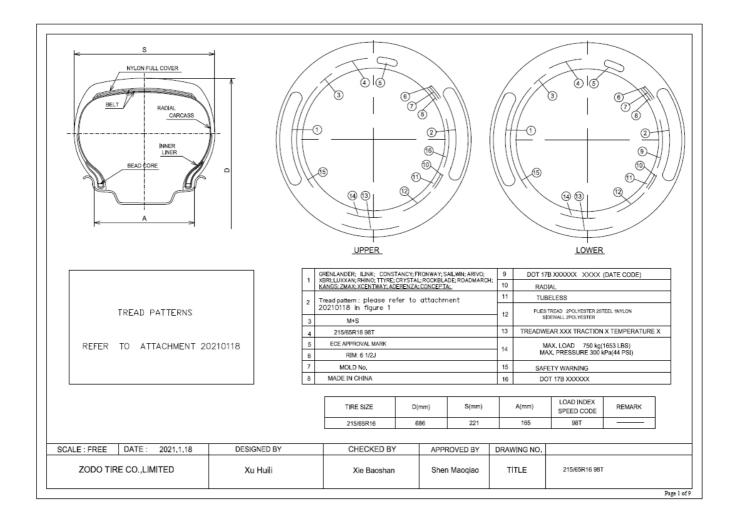
GRENLANDER; ILINK; CONSTANCY; FRONWAY; SAILWIN; ARIVO; XBRI; LUXXAN; RHINO; T TYRE; CRYSTAL; ROCKBLADE; ROADMARCH; KANGS; ZMAX; XCENTWAY; ADERENZA; CONCEPTA

#### 2.2. Trade description(s)/Commercial name(s):

COLO H01; L-GRIP66; LY168; ECOGREEN 66; VENUSATR 66; PREMIO ARZ1; ECOLOGY; INSPIRER C4; THREE; ROCK 515; PRIMESTAR 66; Energize; Winter GL868; Winter IL868; LY868; ICEPOWER 868; ICEWINNER 868; WINMASTER ARW2; ROCK 868S; SNOWROVER 868; THIRTY TWO; COMMANDER W7; ICEPIONEER 868; GREENWING A/S; MULTIMATCH A/S; FRONWING A/S; FREIMATCH A/S; Carlorful A/S; PRIME A/S; ROCK A/S ONE; FORTY ONE; INSPIRER A/S 1; X-SPIDER A/S; COLO H02; L-GRIP55; ECOGREEN 55; VENUSATR 55; PREMIO ARZERO; INSPIRER ECO; ROCK 555; PRIMESTAR 55; LANDGEMA; Transcender 701; SPEEDLINE D2; COLO H03; L-GRIP99; ECOGREEN 99; VENUSATR 99; INSPIRER C9; ROCK 999; ECOPRO 99; LANDGEMA II; ICEHAWKE I; SNOWGRIPPER I; ICEMASTER I; SNOWHAWKE I; Winmaster Prox ARW3; SNOWPLORER I; ICECRUISER I; Winter Xpro 888; WINTERHAWKE I; POLARSNOW; MAGA A/T TWO; FORZA A/T 2; TERRAMAX LSR2 A/T; TERRA XPLORER 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; DREAMWIND A/T; CLIMBER A/T II; OPENLAND A/T D2; MAHO 79; POWERCITY 79; ROADPOWER H/T 79; SAILKING H/T 79; TRAVERSO ARV H/T; INSPIRER F6; ROCK 719 H/T; PRIMEMARCH H/T 79; GALLOPRO H/T; Fortuner 801; ENDURANCE H/T D2; MAHO 77; POWERCITY 77; TOPOWER 87 H/T; ROADPOWER H/T; ROADKING H/T; Maxim; TERRANO ARV H/T; FORZA H/T 2; INSPIRER F4; TWENTY TWO; ROCK 717 H/T; PRIMEMARCH H/T 77

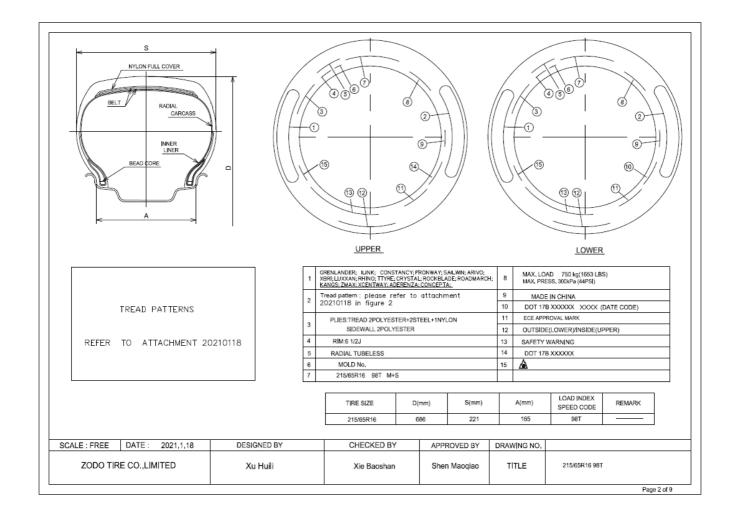


### APPENDIX 1. CONSTRUCTION IMAGE (1)



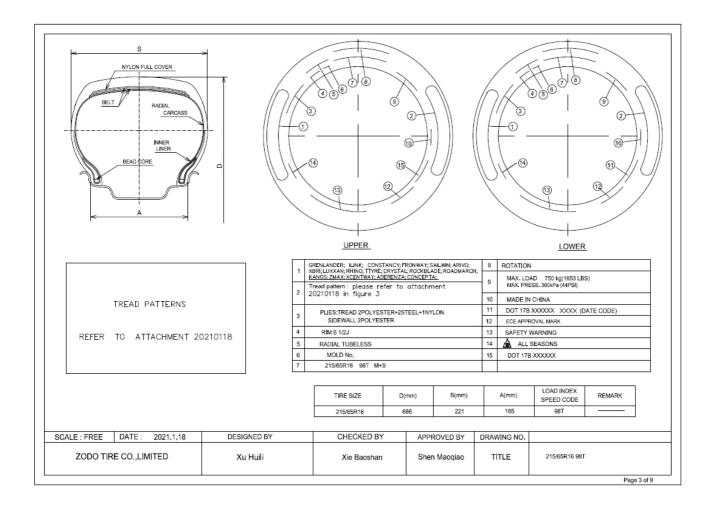
 $<sup>^{(1)}</sup>$  The tyre marking statements are considered leading in case of deviating drawing information.

# APPENDIX 2. CONSTRUCTION IMAGE (1)



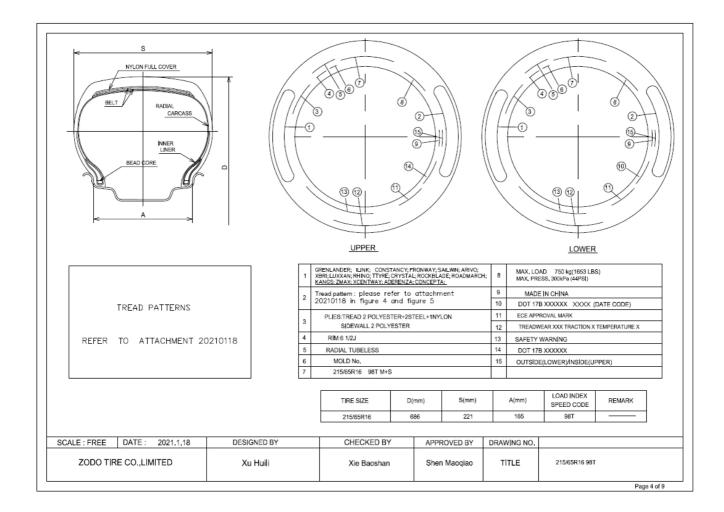
 $<sup>^{(1)}</sup>$  The tyre marking statements are considered leading in case of deviating drawing information.

## APPENDIX 3. CONSTRUCTION IMAGE (1)



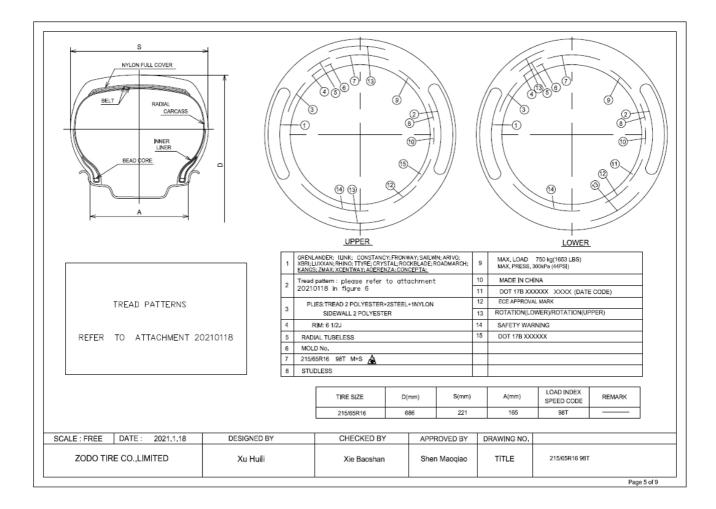
 $<sup>^{(1)}</sup>$  The tyre marking statements are considered leading in case of deviating drawing information.

## APPENDIX 4. CONSTRUCTION IMAGE (1)



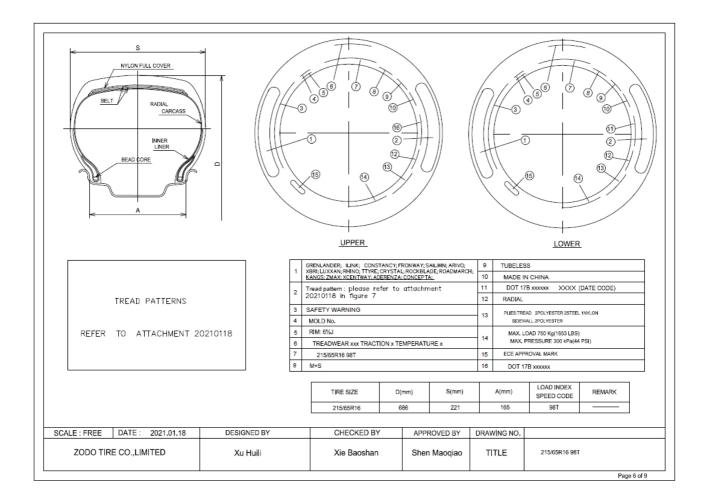
 $<sup>^{(1)}</sup>$  The tyre marking statements are considered leading in case of deviating drawing information.

## APPENDIX 5. CONSTRUCTION IMAGE (1)



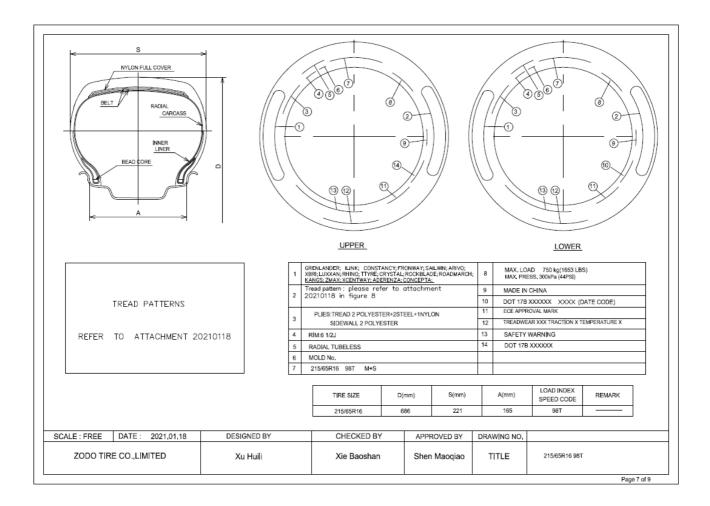
 $<sup>^{(1)}</sup>$  The tyre marking statements are considered leading in case of deviating drawing information.

## APPENDIX 6. CONSTRUCTION IMAGE (1)



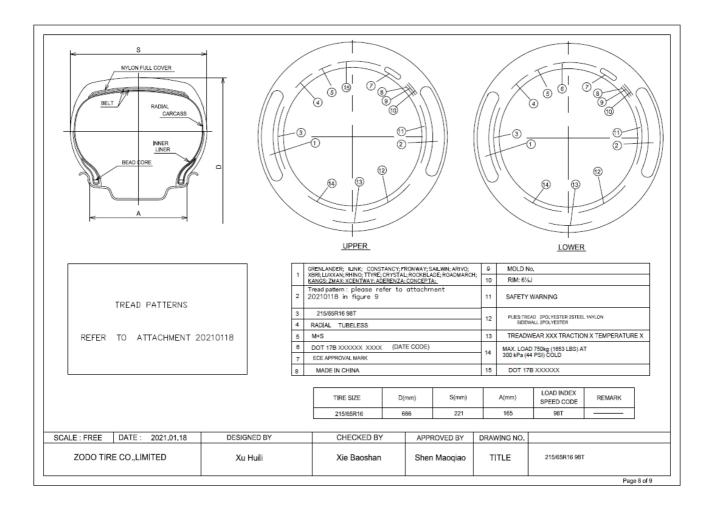
 $<sup>^{(1)}</sup>$  The tyre marking statements are considered leading in case of deviating drawing information.

# APPENDIX 7. CONSTRUCTION IMAGE (1)



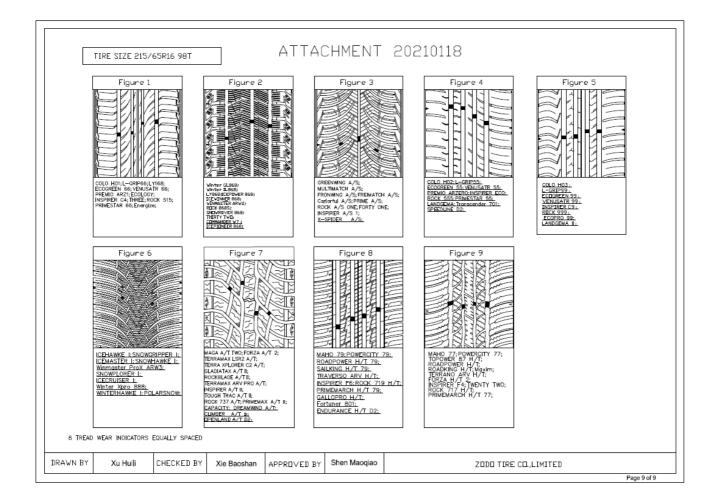
 $<sup>^{(1)}</sup>$  The tyre marking statements are considered leading in case of deviating drawing information.

# APPENDIX 8. CONSTRUCTION IMAGE (1)



 $<sup>^{(1)}</sup>$  The tyre marking statements are considered leading in case of deviating drawing information.

# APPENDIX 9. CONSTRUCTION IMAGE $^{(1)}$



 $<sup>^{(1)}</sup>$  The tyre marking statements are considered leading in case of deviating drawing information.

### APPENDIX 10. MANUFACTURER DECLARATION

#### 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\*30R02/22\*109482\*03 2 Manufacturer/ Manufacturer's representative (1) 3 Company name : ZODO TIRE CO., LIMITED Name authorized person: Hailong Ren : Supervision 5 Job title 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) : China(PRC) 9 Statement Hereby : Hailong Ren 11 declares on behalf of the manufacturer : ZODO TIRE CO., LIMITED 12 for the application with type-approval number : E4\*30R02/22\*109482\*03 13 the following: 14 a) the manufacturer has not applied for an EC & UNECE type-approval for the same type to any other approval authority, and no other approval authority granted the manufacturer such an approval; 15 b) no approval authority has refused to grant type-approval of that type; 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.  $\,$  Authorization regarding handling of this application (if applicable)  $^{(2)}$ : IDIADA Automotive Technology, S.A. Company name 20 E-mail address : QualityHomologations@idiada.com : PO Box 20 Santa Oliva, l'Albornar 43710, Tarragona 21 Address 22 Country : Spain Authorization 23 24 By means of this : Hailong Ren declaration, I : ZODO TIRE CO., LIMITED 25 on behalf of authorizes : IDIADA Automotive Technology, S.A. to respectively apply for a type-approval with type-approval number: E4\*30R02/22\*109482\*03 handle all communication concerning this application and receive the type-approval certificate. 28 29 Date Place ZODO TIRE CO., LIMITED Heze, China 30/03/2021 30 On their behalf, signature : Den Hawlong 32 Name: Hailong Ren

Statement for application for EC & UNECE Type-approval v2.00

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

<sup>(4)</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.

Test report data delivered by the designated technical service or its laboratory/branch office responsible for conducting the approval tests

Tested in accordance to ECE regulation no. 30, 02 series of amendments, supplement 22

Test reports	:	Date of report	Startdate of tests	Location of test	Reference
		2021-03-29	2018-02-07	Heze, China	CN21030999

Y

Appropriate test facility, calibrated measurement- and test equipment have been used in compliance with the applicable test requirements

Name and address of designated technical service

IDIADA Automotive Technology S.A.Institute for Applied Automotive

Research

L' Albornar P.O. Box 20 E-43710 Santa Oliva (Tarragona)

Spain N.A.

Name and address of branch office of designated technical service

Tyre size designation

215/65R16

Brand-name(s) / trademark(s) GRENLANDER, ILINK, CONSTANCY, FRONWAY, SAILWIN, ARIVO,

> XBRI, LUXXAN, RHINO, T TYRE, CRYSTAL, ROCKBLADE, ROADMARCH, KANGS, ZMAX, XCENTWAY, ADERENZA, CONCEPTA

Trade description(s) / commercial name(s) COLO H01, L-GRIP66, LY168, ECOGREEN 66, VENUSATR 66, PREMIO ARZ1, ECOLOGY, INSPIRER C4, THREE, ROCK 515, PRIMESTAR 66, Energize, Winter GL868, Winter IL868, LY868, ICEPOWER 868, ICEWINNER 868, WINMASTER ARW2, ROCK 868S, SNOWROVER 868, THIRTY TWO, COMMANDER W7, ICEPIONEER 868, GREENWING A/S, MULTIMATCH A/S, FRONWING A/S, FREIMATCH A/S, Carlorful A/S,

Standard

N.A.

PRIME A/S, ROCK A/S ONE, FORTY ONE, INSPIRER A/S 1, X-SPIDER A/S, COLO H02, L-GRIP55, ECOGREEN 55, VENUSATR 55, PREMIO ARZERO, INSPIRER ECO, ROCK 555, PRIMESTAR 55, LANDGEMA, Transcender 701, SPEEDLINE D2, COLO H03, L-GRIP99, ECOGREEN 99, VENUSATR 99, INSPIRER C9, ROCK 999, ECOPRO 99, LANDGEMA II, ICEHAWKE I, SNOWGRIPPER I, ICEMASTER I, SNOWHAWKE I, Winmaster ProX ARW3, SNOWPLORER I, ICECRUISER I, Winter Xpro 888, WINTERHAWKE I, POLARSNOW, MAGA A/T TWO, FORZA A/T 2, TERRAMAX LSR2 A/T, TERRA XPLORER 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, DREAMWIND A/T, CLIMBER A/T II, OPENLAND A/T D2, MAHO 79,

ARV H/T, INSPIRER F6, ROCK 719 H/T, PRIMEMARCH H/T 79, GALLOPRO H/T, Fortuner 801, ENDURANCE H/T D2, MAHO 77, POWERCITY 77, TOPOWER 87 H/T, ROADPOWER H/T, ROADKING H/T, Maxim, TERRANO ARV H/T, FORZA H/T 2, INSPIRER F4, TWENTY

POWERCITY 79, ROADPOWER H/T 79, SAILKING H/T 79, TRAVERSO

TWO, ROCK 717 H/T, PRIMEMARCH H/T 77

Category of use Snow

Radial Structure EMT (Extended Mobility Tyre) N Speed category symbol T Load capacity index 98 Protective rib Ν Tubeless

Ply-rating number of diagonal (bias-ply) tyres N.A. 0.7

determination

Tread-wear indicators

Standard / reinforced / T-type temporary use

Maximum speed for speed symbol Y for load rating

Height of lowest tread-wear indicator 1.99 mm Height of tallest tread-wear indicator 2.05 mm Number of transverse rows of wear indicators 6

### 1 Test data

### 1.1 MEASURING DATA (ACCORDING TO ANNEX 6)

1.1.1 Measuring rim width : 6.5 inch

1.1.2 Conditioning

1.1.3 Measurements

Overall width measured : 222.4 mm

Calculated outer diameter : 685.0 mm

1.1.4 Plies of tyre subject for type approval

Material	Side wall	Tread
Polyester	2	2
Steel	0	2
Nylon	0	1

### 1.2 LOAD SPEED PERFORMANCE TEST (ACCORDING TO ANNEX 7)

1.2.1 Reference is made to a worst case tyre out of the tyre range : N

1.2.2 Test setup

Test drum diameter : 1.70 mTest rim width : 6.5 inchTest axle load : 600 kg

1.2.3 Conditioning

Test inflation pressure : 2.8 barThe test inflation pressure differs from those given under : N

Annex 7 paragraph 1.2

Conditioning time : 3 hrsTest room temperature :  $25.0 \,^{\circ}\text{C}$ Readjusted pressure :  $2.8 \,^{\circ}\text{bar}$ Outer diameter before test :  $685.6 \,^{\circ}\text{mm}$ 

1.2.5 Test procedure

1.2.4

Time from zero to initial test speed : 10 min

Test steps

Step	Duration (min)	Speed (km/h)	
1.	10	150	
2.	10	160	
3.	10	170	
4.	20	180	

1.2.6 Test results

Traces of tread separation, ply separation, cord separation, chunking or broken cords after the load/speed test

Superficial blistering after the load/speed test caused by the

specific test equipment and conditions

Conditioning time after test : 6 hrs Calculated outer diameter of measured circumference after test : 686.9 mm Change in outer diameter after test : 0.19 %

Ν

Ν

### 2 TYRE MARKINGS

### STATEMENT (1)

2.1	Brand name or trade mark	:	Marked
2.2	Trade description / commercial name	:	Marked
2.3	Date of manufacture	:	Marked
	- character height >= 4 mm	:	Y

2.4 Upper side wall markings

"TEMPORARY USE ONLY" : N.A. "INFLATE TO 420kPa (60 psi)" : N.A.

2.5 Lower side wall markings

Approval mark in accordance to article 3.2, 3.4, 5.4 and Annex : Y

2

Service description

- marked within brackets N.A. - immediately after tyre size designation Y - character height >= 6mm Y "RADIAL" Marked - character height >= 4 mm "B" and "BIAS BELTED" : N.A. "TUBELESS" Marked Y - character height >= 4 mm Run flat symbol N.A. EMT (Extended mobility tyre) symbol N.A. "REINFORCED" or "EXTRA LOAD" N.A. "M+S"/"M.S"/"M&S" Marked Y - character height >= 4 mm "ET" N.A. "POR" : N.A.

Asymmetrical tyres marked at least on the outer tyre side wall : Y

Location of the applicable mandatory markings

Symmetrical tyres marked on both sidewalls

Nominal envelop dimensions of the inflated tyre mounted on the measuring rim (1)

: In lower area

: Y

S : 221 mm D : 686 mm A : 165 mm

<sup>(1)</sup> The tyre marking statements are considered leading in case of deviating drawing information.

### APPLICATION FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE FOR TYRES FOR MOTOR VEHICLES AND THEIR TRAILERS ACCORDING TO ECE REGULATION No. 30, 02 SERIES OF AMENDMENTS, SUPPLEMENT 22

4.1 Name and address of manufacturer (applicant) ZODO TIRE CO., LIMITED

The South of Yalujiang Road, Wenzhuang Village Qinghe Agency of Cao

County Heze City

Shandong Province 274400

China (PRC)

Name and address of branch office of designated technical service (manufacturers duly accredited representative)

N.A.

4.1.1 Tyre size designation

215/65R16

4.1.2.1 Brand-name(s) / trademark(s) GRENLANDER, ILINK, CONSTANCY, FRONWAY, SAILWIN, ARIVO,

XBRI, LUXXAN, RHINO, T TYRE, CRYSTAL, ROCKBLADE, ROADMARCH, KANGS, ZMAX, XCENTWAY, ADERENZA, CONCEPTA

4.1.2.2 Trade description(s) / commercial name(s) COLO H01, L-GRIP66, LY168, ECOGREEN 66, VENUSATR 66, PREMIO

> ARZ1, ECOLOGY, INSPIRER C4, THREE, ROCK 515, PRIMESTAR 66, Energize, Winter GL868, Winter IL868, LY868, ICEPOWER 868, ICEWINNER 868, WINMASTER ARW2, ROCK 868S, SNOWROVER 868, THIRTY TWO, COMMANDER W7, ICEPIONEER 868, GREENWING A/S, MULTIMATCH A/S, FRONWING A/S, FREIMATCH A/S, Carlorful A/S, PRIME A/S, ROCK A/S ONE, FORTY ONE, INSPIRER A/S 1, X-SPIDER A/S, COLO H02, L-GRIP55, ECOGREEN 55, VENUSATR 55, PREMIO ARZERO, INSPIRER ECO, ROCK 555, PRIMESTAR 55, LANDGEMA, Transcender 701, SPEEDLINE D2, COLO H03, L-GRIP99, ECOGREEN 99, VENUSATR 99, INSPIRER C9, ROCK 999, ECOPRO 99, LANDGEMA II. ICEHAWKE I, SNOWGRIPPER I, ICEMASTER I, SNOWHAWKE I, Winmaster ProX ARW3, SNOWPLORER I, ICECRUISER I, Winter Xpro

TERRAMAX LSR2 A/T, TERRA XPLORER 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, DREAMWIND A/T, CLIMBER A/T II, OPENLAND A/T D2, MAHO 79, POWERCITY 79, ROADPOWER H/T 79, SAILKING H/T 79, TRAVERSO ARV H/T, INSPIRER F6, ROCK 719 H/T, PRIMEMARCH H/T 79, GALLOPRO H/T, Fortuner 801, ENDURANCE H/T D2, MAHO 77,

888, WINTERHAWKE I, POLARSNOW, MAGA A/T TWO, FORZA A/T 2,

POWERCITY 77, TOPOWER 87 H/T, ROADPOWER H/T, ROADKING H/T, Maxim, TERRANO ARV H/T, FORZA H/T 2, INSPIRER F4, TWENTY

TWO, ROCK 717 H/T, PRIMEMARCH H/T 77

6.5 inch

4.1.3 Category of use Snow 4.1.3.1 For the tyres belonging to the category of use "special use N.A.

tyre" those which may bear the inscription M+S or M.S or M&S

4.1.4 Structure Radial

4.1.5 Speed category symbol Т 4.1.6 Load capacity index 98 4.1.7 Tubeless

4.1.8 Standard / reinforced / T-type temporary use Standard

4.1.9 EMT (Extended mobility tyre) Ν

4.1.10 Ply-rating number of diagonal (bias-ply) tyres; except for T-: N.A.

type temporary use spare tyres

4.1.11 The overall dimensions: overall section width and outer

diameter

Test rim

Overall section width 222.4 mm Outer diameter 685.0 mm The rims on which the tyre can be mounted 6.5 inch

4.1.12 Measuring rim 4.1.13 6.5 inch

4.1.14 The test pressure where the manufacture requests the N.A.

application of Annex 7 paragraph 1.3 to this Regulation

4.1.15 The factor 'x' 0.7

4.1.16 For tyres suitable for speeds in excess of 300 km/h, the N.A. maximum speed permitted by the tyre manufacturer and the

load carrying capacity allowed for that maximum speed

4.1.17 The identification of the bead retention rim contours specific : N.A.

for the "flat tyre running mode" of "run flat tyres" 4.2 The application for approval is accompanied by drawings or images of 1. The tyre tread pattern

> 2. Envelope of the inflated tyre mounted on the measuring rim, showing the relevant dimensions (see paragraphs 6.1.1

and 6.1.2)

3. The side wall showing the relevant markings

4.4 Reference to Worst-case tyre has been made for the loadspeed test. The worst case tyre selection criteria can be obtained from the approval authority.

: Y : N

: Y

: Y

Reason(s) of extension

: Update of tyre type designation(s); Upgrade of regulation supplement number; Change of technical service; Update of manufacture name

The applicant, as defined in article in 4.1, declares that:

- This application is in compliance with the scope as defined in chapter 1 of the regulation.
- All data for this application are unambiguously and thruthfully given.
- · The type approval application for the subject component is submitted only at RDW as Contracting party pursuant to this UN regulation.
- · Appropriate test facility, calibrated measurement en test equipment have been used in compliance with the applicable test requirements.

Company

: IDIADA Automotive Technology S.A.Institute for Applied Automotive

Research

Josep Masip Gomez

DEPARTMENT MANAGER

QualityHomologations@idiada.com

Name of person responsible for the submitted application data

Function of above mentioned authorised person

E-mail address of department or above mentioned authorised

person

Place of submission : L'Albornar, Santa Oliva (Tarragona)

Submitted for approval on (date) : 02/04/2021 11:43:58

Reference id of the application given by the applicant