

THE NETHERLANDS
(N E D E R L A N D)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- ~~approval withdrawn~~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*97667*04

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⁽²⁾
 - 2.1. Brand-name(s)/trademark(s) : See annex 1 of communication form
 - 2.2. Trade description(s)/Commercial name(s) : See annex 1 of communication form
3. If applicable, name and address of the manufacturer's representative : Not applicable
4. Summarised description
 - 4.1. Tyre size designation : 235/55R19
 - 4.2. Category of use : ~~normal~~/snow/~~special use~~ / ~~temporary use~~ ⁽¹⁾
 - 4.3. Structure : ~~diagonal~~ / ~~bias belted~~ / radial/ ~~run flat tyre~~ ⁽¹⁾
 - 4.4. Speed category symbol : V
 - 4.5. Load-capacity index : 105

Approval number: E4*30R02/22*97667*04

- 4.6. Extended Mobility Tyre : ~~Yes~~ /No⁽¹⁾
5. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : IDIADA Automotive Technology S.A. Institute for Applied Automotive Research
L' Albornar P.O. Box 20
E-43710 Santa Oliva (Tarragona)
Spain
6. Date of report issued by that service : 2021-04-29
7. Number of report issued by that service : CN21041059
8. Reason(s) of extension (if applicable) : Update of tyre type designation(s)
Upgrade of regulation supplement number
Update of manufacturer name
Change of technical service
9. Any remarks : Not applicable
10. Place : Zoetermeer
11. Date : 26 May 2021
12. Signature :


P. Lingsma

13. The list of documents in the approval file which are 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 30.
 - The drawing of the tyre's sidewalls, tread and dimensioned cross-section.
 - The test report as mentioned in item 7.

⁽¹⁾ Strike out what does not apply

⁽²⁾ 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*97667*04

Annex 1

2. Tyre type designation

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

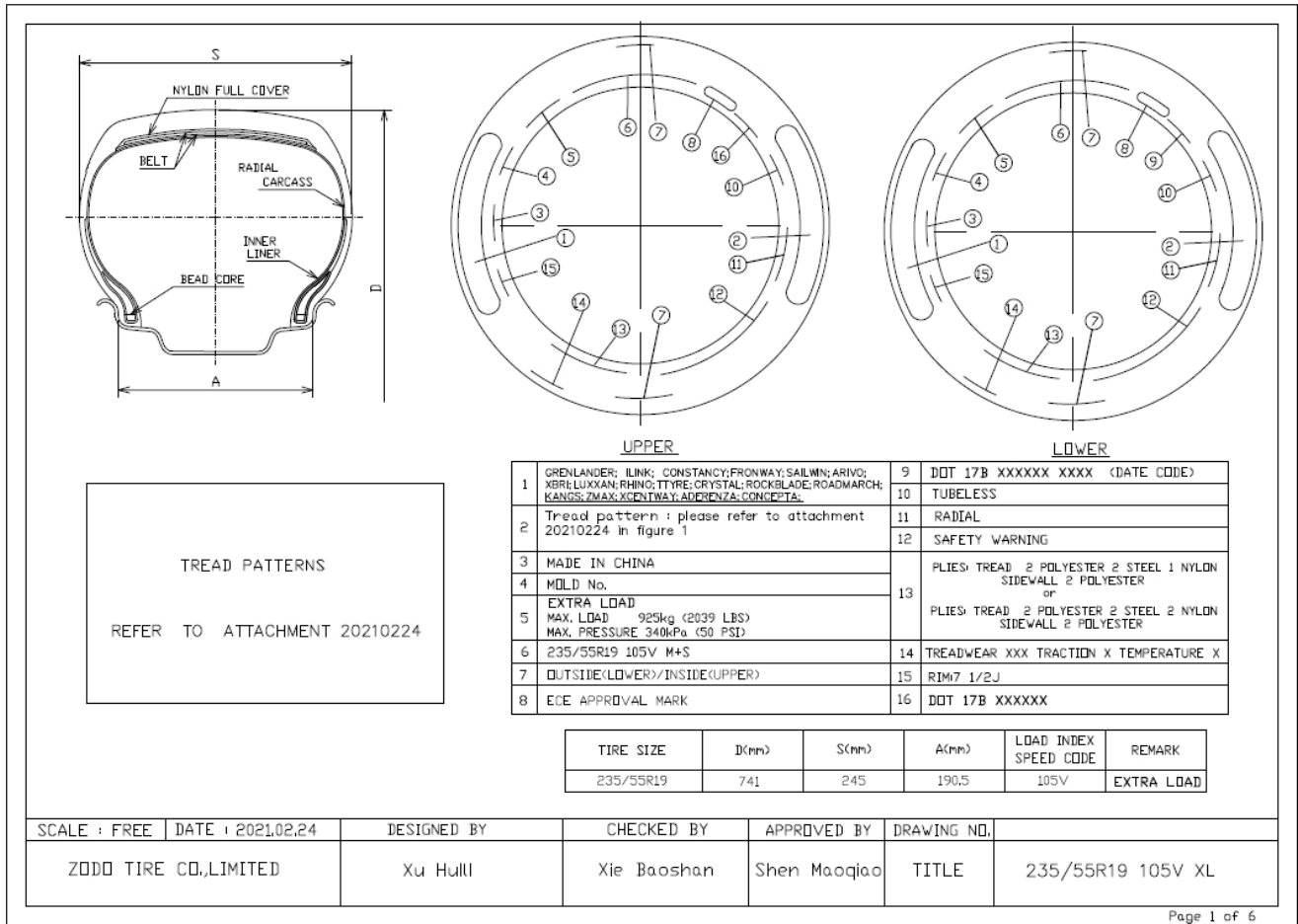
GRENLANDER; I LINK; CONSTANCY; FRONWAY; SAILWIN; ARIVO; XBRI; LUXXAN; RHINO; TTYRE; CRYSTAL; ROCKBLADE; ROADMARCH; KANGS; ZMAX; XCENTWAY; ADERENZA; CONCEPTA

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

LY566; SPORTWAY 56; SPEEDWAY 56; L-ZEAL56; EMOTION; TEN; ULTRA ARZ5; SPORT+; INSPIRER S4; Drift; ROCK 566; PERFORM; ENRI U08; EURUS 08; LY169; THUNDER U09; FOUR; VENUSATR 08; ULTRA ARZ4; SPORT+2; INSPIRER S8; ROCK 525; Envoy; PRIME UHP 08; PERFORM D2; LANDCROSS; LANDROYAL; LANDWELL; LANDFORCE; ULTRA ARZ3; INSPIRER S3; ROCK 586; PRIME UHP 09; ZEALION; PERFORM D4; GREENWING A/S; MULTIMATCH A/S; FRONWING A/S; FREIMATCH A/S; Carlorful A/S; INSPIRER A/S 1; FORTY ONE; ROCK A/S ONE; PRIME A/S; X-SPIDER A/S; Winter GL868; Winter IL868; LY868; ICEPOWER 868; ICEWINNER 868; WINMASTER ARW2; COMMANDER W7; THIRTY TWO; ROCK 868S; SNOWROVER 868; ICEPIONEER 868; ICEHAWKE I; SNOWGRIPPER I; ICEMASTER I; SNOWHAWKE I; Winmaster ProX ARW3; SNOWPLORER I; ICECRUISER I; Winter Xpro 888; WINTERHAWKE I; POLARSNOW



APPENDIX 1. CONSTRUCTION IMAGE (1)



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

APPENDIX 2. CONSTRUCTION IMAGE (1)

UPPER

LOWER

TREAD PATTERNS

REFER TO ATTACHMENT 20210224

1	GREENLANDER; ILINK; CONSTANCY;FRONWAY;SAILWIN;ARIVO; XBR;LUXIAN;RINO;TYRE;CRYSTAL;ROCKBLADE;ROADMARCH; KANGS;ZMAX;XCENTWAY;ADEBENZA;CONCEPTA	8	MAX. LOAD 925kg (2039 lbs) MAX. PRESS. 340kPa (50PSI)	EXTRA LOAD
2	Tread pattern, please refer to attachment 20210224 in figure 2 and figure 3	9	MADE IN CHINA	
3	PLIES:TREAD 2POLYESTER+2STEEL+1NYLON SIDEWALL 2POLYESTER	10	DOT 17B XXXXXX XXXX<DATE CODE>	
4	RIM 7 1/2J	11	ECE APPROVAL MARK	
5	RADIAL TUBELESS	12	TREADWEAR XXX TRACTION X TEMPERATURE X	
6	MOLD No.	13	SAFETY WARNING	
7	235/55R19 105V XL M+S	14	DOT 17B XXXXXX	
		15	OUTSIDE<LOWER>/INSIDE<UPPER>	

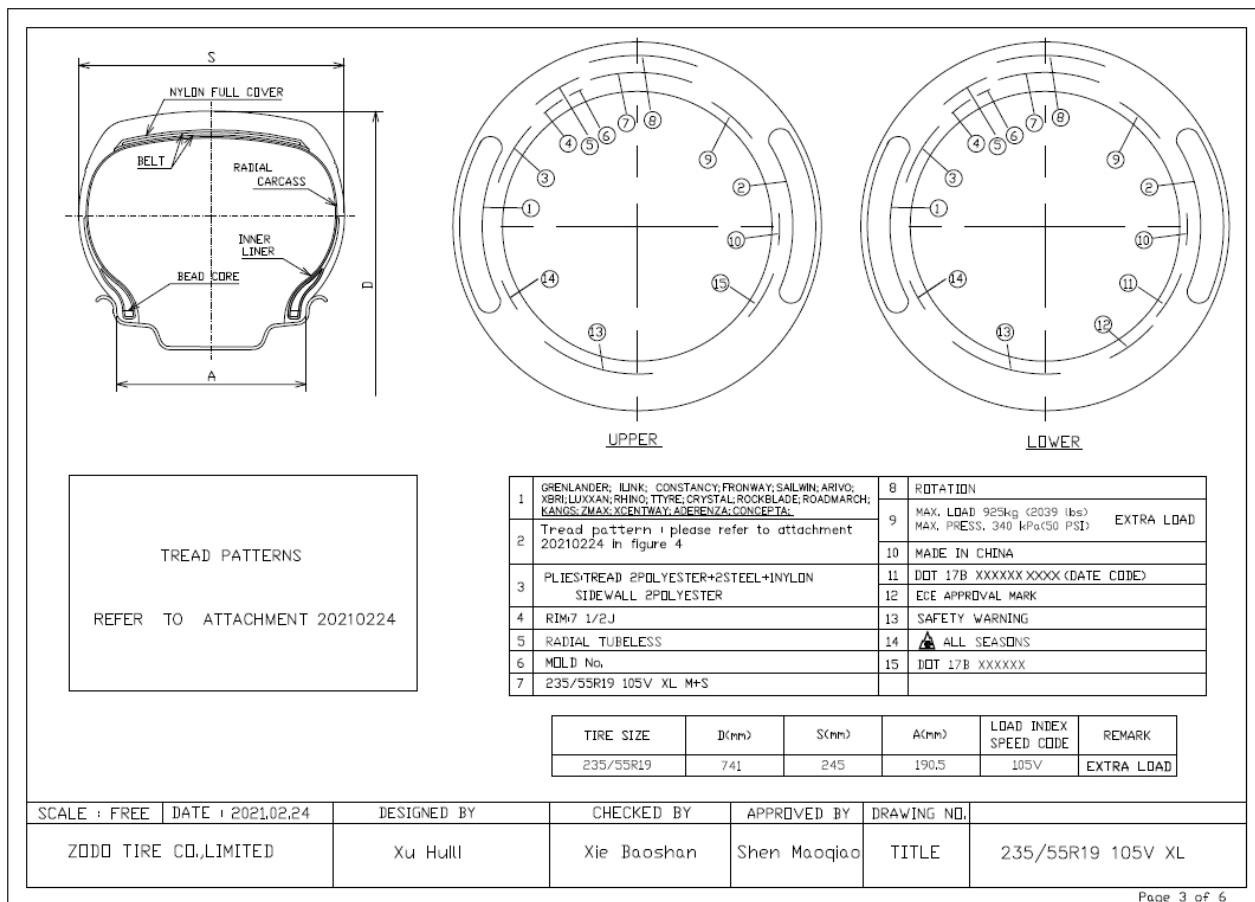
TIRE SIZE	D(mm)	S(mm)	A(mm)	LOAD INDEX SPEED CODE	REMARK
235/55R19	741	245	190.5	105V	EXTRA LOAD

SCALE : FREE	DATE : 2021.02.24	DESIGNED BY	CHECKED BY	APPROVED BY	DRAWING NO.
ZDD TIRE CO.,LIMITED		Xu Hui	Xie Baoshan	Shen Maoqiao	TITLE 235/55R19 105V XL

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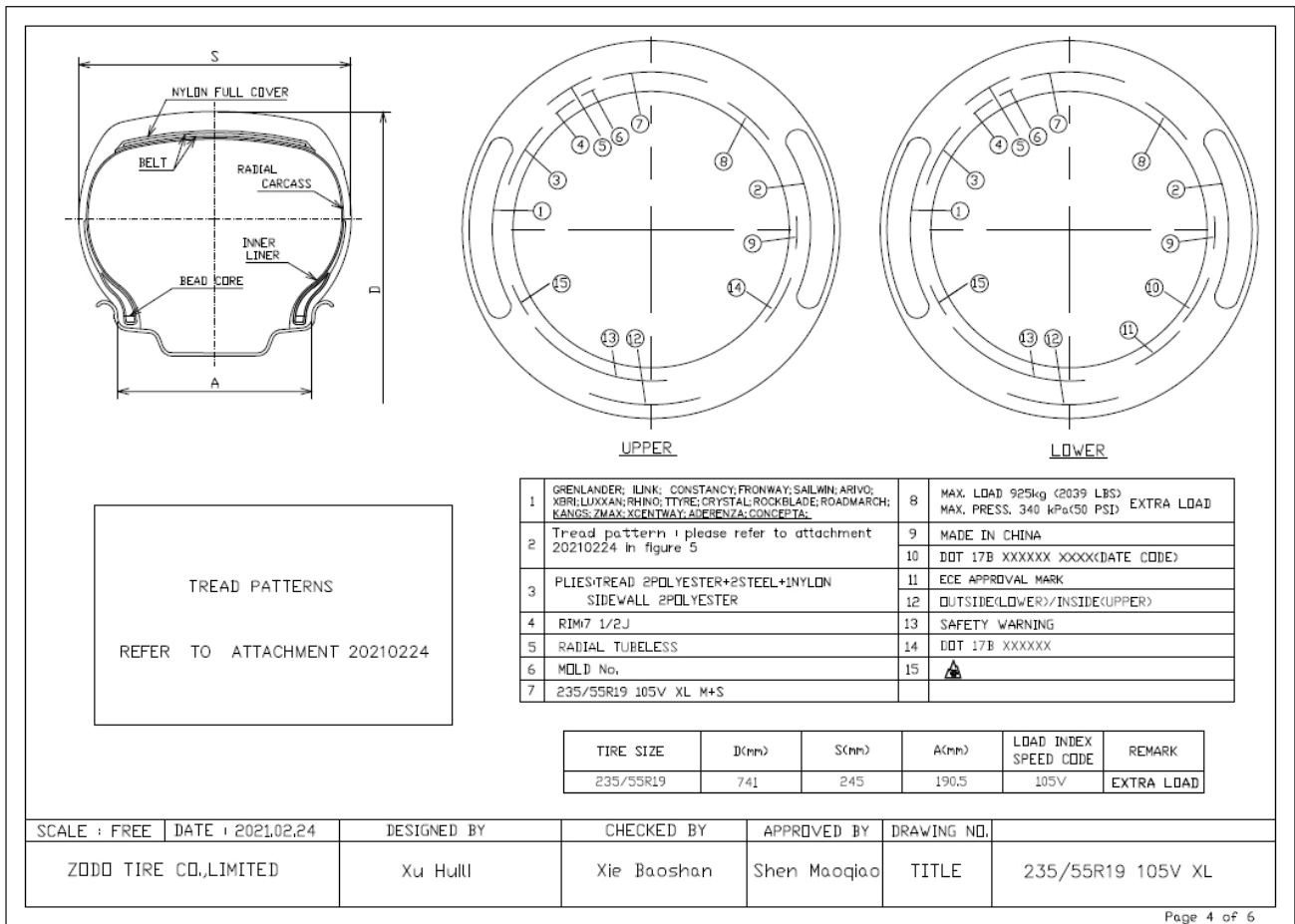
(1) The tyre marking statements are considered leading in case of deviating drawing information.

APPENDIX 3. CONSTRUCTION IMAGE (1)



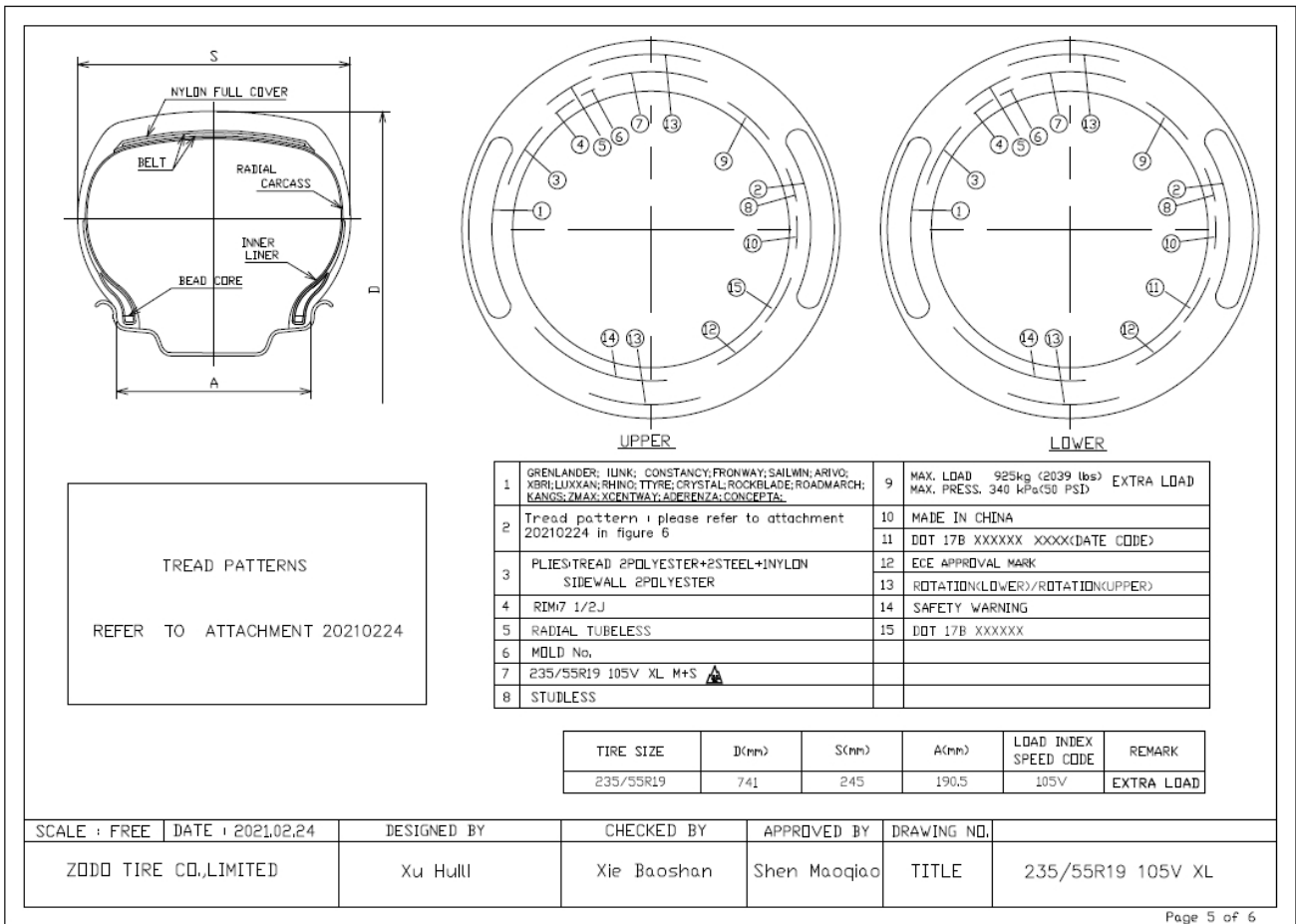
(1) The tyre marking statements are considered leading in case of deviating drawing information.

APPENDIX 4. CONSTRUCTION IMAGE (1)



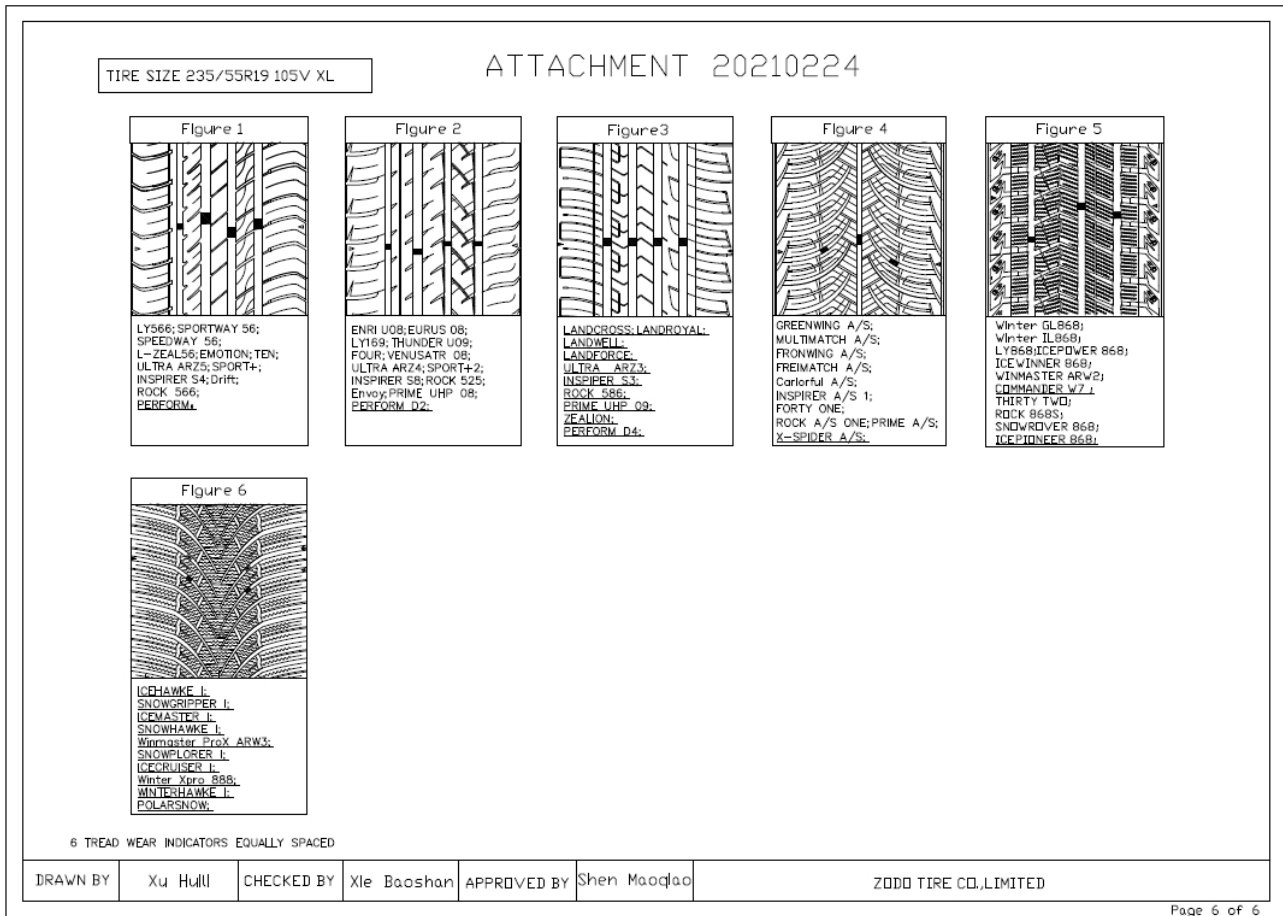
(1) The tyre marking statements are considered leading in case of deviating drawing information.

APPENDIX 5. CONSTRUCTION IMAGE (1)



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

APPENDIX 6. CONSTRUCTION IMAGE (1)



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

APPENDIX 7. 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*97667*04

2 Manufacturer/ Manufacturer's representative ⁽¹⁾

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
 12 the manufacturer : ZODO TIRE CO., LIMITED
 13 for the application with
 14 type-approval number : E4*30R02/22*97667*04
 15 the following:
 16 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;
 17 b) no approval authority has refused to grant type-approval of that type;
 18 c) no approval authority has withdrawn type-approval of that type;
 19 d) the manufacturer has not revoked an application for a type-approval of that type.

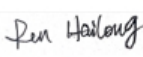
20 **Authorization regarding handling of this application (if applicable) ⁽²⁾**

21 Company name : IDIADA Automotive Technology, S.A.
 22 E-mail address : QualityHomologations@idiada.com
 23 Address : PO Box 20 Santa Oliva, l'Albornar 43710, Tarragona
 24 Country : Spain

25 **Authorization**

26 By means of this
 27 declaration, I : Hailong Ren
 28 on behalf of : ZODO TIRE CO., LIMITED
 29 authorizes : IDIADA Automotive Technology, S.A.
 30 to respectively apply for a type-approval with type-approval number:
 E4*30R02/22*97667*04
 31 handle all communication concerning this application and receive the type-approval certificate.

29 Date	Place	Name:
30 29/04/2021	Heze, China	ZODO TIRE CO., LIMITED

31 On their behalf, signature : 

32 Name : Hailong Ren

⁽¹⁾ Mark the specific checkbox.

⁽²⁾ 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	:	<table border="1"> <thead> <tr> <th>Date of report</th> <th>Startdate of tests</th> <th>Location of test</th> <th>Reference</th> </tr> </thead> <tbody> <tr> <td>2021-04-29</td> <td>2017-06-27</td> <td>Heze, China</td> <td>CN21041059</td> </tr> </tbody> </table>	Date of report	Startdate of tests	Location of test	Reference	2021-04-29	2017-06-27	Heze, China	CN21041059
Date of report	Startdate of tests	Location of test	Reference							
2021-04-29	2017-06-27	Heze, China	CN21041059							
Appropriate test facility, calibrated measurement- and test equipment have been used in compliance with the applicable test requirements	:	Y								
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								
Name and address of branch office of designated technical service	:	N.A.								
Tyre size designation	:	235/55R19								
Brand-name(s) / trademark(s)	:	GRENLANDER, I LINK, CONSTANCY, FRONWAY, SAILWIN, ARIVO, XBRI, LUXXAN, RHINO, TTYRE, CRYSTAL, ROCKBLADE, ROADMARCH, KANGS, ZMAX, XCENTWAY, ADERENZA, CONCEPTA								
Trade description(s) / commercial name(s)	:	LY566, SPORTWAY 56, SPEEDWAY 56, L-ZEAL56, EMOTION, TEN, ULTRA ARZ5, SPORT+, INSPIRER S4, Drift, ROCK 566, PERFORM, ENRI U08, EURUS 08, LY169, THUNDER U09, FOUR, VENUSATR 08, ULTRA ARZ4, SPORT+2, INSPIRER S8, ROCK 525, Envoy, PRIME UHP 08, PERFORM D2, LANDCROSS, LANDROYAL, LANDWELL, LANDFORCE, ULTRA ARZ3, INSPIPER S3, ROCK 586, PRIME UHP 09, ZEALION, PERFORM D4, GREENWING A/S, MULTIMATCH A/S, FRONWING A/S, FREIMATCH A/S, Carlorful A/S, INSPIRER A/S 1, FORTY ONE, ROCK A/S ONE, PRIME A/S, X-SPIDER A/S, Winter GL868, Winter IL868, LY868, ICEPOWER 868, ICEWINNER 868, WINMASTER ARW2, COMMANDER W7, THIRTY TWO, ROCK 868S, SNOWROVER 868, ICEPIONEER 868, ICEHAWKE I, SNOWGRIPPER I, ICEMASTER I, SNOWHAWKE I, Winmaster ProX ARW3, SNOWPLORER I, ICECRUISER I, Winter Xpro 888, WINTERHAWKE I, POLARSNOW								
Category of use	:	Snow								
Structure	:	Radial								
EMT (Extended Mobility Tyre)	:	N								
Speed category symbol	:	V								
Load capacity index	:	105								
Protective rib	:	N								
Tubeless	:	Y								
Standard / reinforced / T-type temporary use	:	Reinforced								
Ply-rating number of diagonal (bias-ply) tyres	:	N.A.								
Factor 'x'	:	0.7								
Maximum speed for speed symbol Y for load rating determination	:	N.A.								
Tread-wear indicators	:									
Height of lowest tread-wear indicator	:	1.77 mm								
Height of tallest tread-wear indicator	:	1.84 mm								
Number of transverse rows of wear indicators	:	6								
Special use tread pattern features	:	N.A.								

1 Test data

1.1 Construction variant 1 - construction group I

1.1.1 MEASURING DATA (ACCORDING TO ANNEX 6)

1.1.1.1	Measuring rim width	:	7.5 inch
1.1.1.2	Conditioning		
	Mounting pressure	:	3.0 bar
	Adjusted pressure	:	2.2 bar
	Conditioning time	:	25 hrs
	Test room temperature	:	23.0 °C
	Readjusted pressure	:	2.2 bar
1.1.1.3	Measurements		
	Overall width measured	:	250.8 mm
	Calculated outer diameter	:	745.5 mm
1.1.1.4	Plies of tyre subject for type approval	:	

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

1.1.2 LOAD SPEED PERFORMANCE TEST (ACCORDING TO ANNEX 7)

1.1.2.1	Reference is made to a worst case tyre out of the tyre range	:	N
1.1.2.2	Test setup		
	Test drum diameter	:	1.70 m
	Test rim width	:	7.5 inch
	Test axle load	:	674 kg
1.1.2.3	Conditioning		
	Test inflation pressure	:	3.4 bar
	The test inflation pressure differs from those given under Annex 7 paragraph 1.2	:	N
	Conditioning time	:	3 hrs
	Test room temperature	:	28.0 °C
	Readjusted pressure	:	3.4 bar
1.1.2.4	Outer diameter before test	:	745.5 mm
1.1.2.5	Test procedure		
	Time from zero to initial test speed	:	10 min
	Test steps	:	

Step	Duration (min)	Speed (km/h)
1.	10	200
2.	10	210
3.	10	220
4.	20	230

1.1.2.6	Test results		
	Traces of tread separation, ply separation, cord separation, chunking or broken cords after the load/speed test	:	N
	Superficial blistering after the load/speed test caused by the specific test equipment and conditions	:	N
	Conditioning time after test	:	6 hrs
	Calculated outer diameter of measured circumference after test	:	750.3 mm
	Change in outer diameter after test	:	0.64 %

1.2 Construction variant 2 - construction group II

1.2.1 MEASURING DATA (ACCORDING TO ANNEX 6)

1.2.1.1	Measuring rim width	:	7.5 inch
1.2.1.2	Conditioning		
	Mounting pressure	:	3.0 bar
	Adjusted pressure	:	2.2 bar
	Conditioning time	:	25 hrs
	Test room temperature	:	25 °C
	Readjusted pressure	:	2.2 bar

1.2.1.3	Measurements		
	Overall width measured	:	250 mm
	Calculated outer diameter	:	739.1 mm

1.2.1.4 Plies of tyre subject for type approval :

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

1.2.2 LOAD SPEED PERFORMANCE TEST (ACCORDING TO ANNEX 7)

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

1.2.2.2	Test setup		
	Test drum diameter	:	1.70 m
	Test rim width	:	7.5 inch
	Test axle load	:	674 kg

1.2.2.3	Conditioning		
	Test inflation pressure	:	3.4 bar
	The test inflation pressure differs from those given under Annex 7 paragraph 1.2	:	N
	Conditioning time	:	3 hrs
	Test room temperature	:	23 °C
	Readjusted pressure	:	3.4 bar

1.2.2.4 Outer diameter before test : 739.8 mm

1.2.2.5	Test procedure		
	Time from zero to initial test speed	:	10 min
	Test steps	:	

Step	Duration (min)	Speed (km/h)
1.	10	200
2.	10	210
3.	10	220
4.	20	230

1.2.2.6	Test results		
	Traces of tread separation, ply separation, cord separation, chunking or broken cords after the load/speed test	:	N
	Superficial blistering after the load/speed test caused by the specific test equipment and conditions	:	N
	Conditioning time after test	:	6 hrs
	Calculated outer diameter of measured circumference after test	:	740.7 mm
	Change in outer diameter after test	:	0.12 %

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 \geq 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 2	: Y
	Tyre structure letter code	: R
	Tyre to rim fitment code	: N.A.
	Service description	
	- marked within brackets	: N.A.
	- immediately after tyre size designation	: Y
	- character height \geq 6mm	: Y
	"RADIAL"	: Marked
	- character height \geq 4 mm	: Y
	"B" and "BIAS BELTED"	: N.A.
	"TUBELESS"	: Marked
	- character height \geq 4 mm	: Y
	Run flat symbol	: N.A.
	EMT (Extended mobility tyre) symbol	: N.A.
	"REINFORCED" or "EXTRA LOAD"	: Marked
	- character height \geq 4 mm	: Y
	"M+S"/"M.S"/"M&S"	: Marked
	- character height \geq 4 mm	: Y
	"ET"	: N.A.
	"POR"	: N.A.
	Location of the applicable mandatory markings	: In lower area
	Symmetrical tyres marked on both sidewalls	: Y
	Asymmetrical tyres marked at least on the outer tyre side wall	: Y

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

S	: 245 mm
D	: 741 mm
A	: 190.5 mm

⁽¹⁾ 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 : 235/55R19
- 4.1.2.1 Brand-name(s) / trademark(s) : GRENLANDER, ILINK, CONSTANCY, FRONWAY, SAILWIN, ARIVO, XBRI, LUXXAN, RHINO, TTYRE, CRYSTAL, ROCKBLADE, ROADMARCH, KANGS, ZMAX, XCENTWAY, ADERENZA, CONCEPTA
- 4.1.2.2 Trade description(s) / commercial name(s) : LY566, SPORTWAY 56, SPEEDWAY 56, L-ZEAL56, EMOTION, TEN, ULTRA ARZ5, SPORT+, INSPIRER S4, Drift, ROCK 566, PERFORM, ENRI U08, EURUS 08, LY169, THUNDER U09, FOUR, VENUSATR 08, ULTRA ARZ4, SPORT+2, INSPIRER S8, ROCK 525, Envoy, PRIME UHP 08, PERFORM D2, LANDCROSS, LANDROYAL, LANDWELL, LANDFORCE, ULTRA ARZ3, INSPIPER S3, ROCK 586, PRIME UHP 09, ZEALION, PERFORM D4, GREENWING A/S, MULTIMATCH A/S, FRONWING A/S, FREIMATCH A/S, Carlorful A/S, INSPIRER A/S 1, FORTY ONE, ROCK A/S ONE, PRIME A/S, X-SPIDER A/S, Winter GL868, Winter IL868, LY868, ICEPOWER 868, ICEWINNER 868, WINMASTER ARW2, COMMANDER W7, THIRTY TWO, ROCK 868S, SNOWROVER 868, ICEPIONEER 868, ICEHAWKE I, SNOWGRIPPER I, ICEMASTER I, SNOWHAWKE I, Winmaster ProX ARW3, SNOWPLOTOR I, ICECRUISER I, Winter Xpro 888, WINTERHAWKE I, POLARSNOW
- 4.1.3 Category of use : Snow
- 4.1.3.1 For the tyres belonging to the category of use "special use tyre" those which may bear the inscription M+S or M.S or M&S : N.A.
- 4.1.4 Structure : Radial
- 4.1.5 Speed category symbol : V
- 4.1.6 Load capacity index : 105
- 4.1.7 Tubeless : Y
- 4.1.8 Standard / reinforced / T-type temporary use : Reinforced
- 4.1.9 EMT (Extended mobility tyre) : N
- 4.1.10 Ply-rating number of diagonal (bias-ply) tyres; except for T-type temporary use spare tyres : N.A.
- 4.1.11 The overall dimensions: overall section width and outer diameter : Values per construction variant
- | # | Overall section width (mm) | Outer diameter (mm) |
|---|----------------------------|---------------------|
| 1 | 250.8 | 745.5 |
| 2 | 250 | 739.1 |
- 4.1.12 The rims on which the tyre can be mounted : 7.5 inch
- 4.1.13 The measuring rim and test rim : Values per construction variant
- | # | Measuring rim (inch) | Test rim (inch) |
|---|----------------------|-----------------|
| 1 | 7.5 | 7.5 |
| 2 | 7.5 | 7.5 |
- 4.1.14 The test pressure where the manufacture requests the application of Annex 7 paragraph 1.3 to this Regulation : Values per construction variant
- | # | Test inflation pressure (bar) |
|---|-------------------------------|
| 1 | N.A. |
| 2 | N.A. |
- 4.1.15 The factor 'x' : 0.7
- 4.1.16 For tyres suitable for speeds in excess of 300 km/h, the maximum speed permitted by the tyre manufacturer and the load carrying capacity allowed for that maximum speed : N.A.
- 4.1.17 The identification of the bead retention rim contours specific for the "flat tyre running mode" of "run flat tyres" : N.A.
- 4.2 The application for approval is accompanied by drawings or images of

1. The tyre tread pattern : Y

2. Envelope of the inflated tyre mounted on the measuring rim, showing the relevant dimensions (see paragraphs 6.1.1 and 6.1.2) : Y

3. The side wall showing the relevant markings : Y

4.4 Reference to Worst-case tyre has been made for the load-speed test. The worst case tyre selection criteria can be obtained from the approval authority. : Values per construction variant

#	Worst case
1	N
2	N

Reason(s) of extension : Update of tyre type designation(s);
Upgrade of regulation supplement number;
Change of technical service;
Update of manufacturer 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 truthfully 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
Name of person responsible for the submitted application data : Josep Masip Gomez
Function of above mentioned authorised person : DEPARTMENT MANAGER
E-mail address of department or above mentioned authorised person : QualityHomologations@idiada.com
Place of submission : L'Albornar, Santa Oliva (Tarragona)
Submitted for approval on (date) : 04/05/2021 13:50:49
Reference id of the application given by the applicant :