

THE NETHERLANDS  
(N E D E R L A N D)

## COMMUNICATION

Concerning <sup>(1)</sup>

- 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- ~~approval withdrawn~~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\*30R02/20\*115904\*00**

1. Manufacturer's name and address : Shandong Longyue Rubber Co., Ltd.  
The South of Yalujiang Road,  
Wenzhuang Village Qinghe Agency of Cao County,  
Heze City, Shandong Province 274400, China (PRC)
2. Tyre type designation <sup>(2)</sup>
  - 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 : 225/70R16
  - 4.2. Category of use : ~~normal~~/snow/ ~~special use~~ / ~~temporary use~~ <sup>(1)</sup>
  - 4.3. Structure : ~~diagonal~~ / ~~bias belted~~ / radial/ ~~run flat tyre~~ <sup>(1)</sup>
  - 4.4. Speed category symbol : T
  - 4.5. Load-capacity index : 107

**Approval number: E4\*30R02/20\*115904\*00**

5. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV NORD Mobilität GmbH & Co.KG (HQ)  
IFM-Institut für Fahrzeugtechnik und Mobilität  
Schönscheidtstrasse 28 D-45307 Essen  
Germany
6. Date of report issued by that service : 2019-03-20
7. Number of report issued by that service : CS030-A0-2019-00634
8. Reason(s) of extension (if applicable) : Not applicable
9. Any remarks : Not applicable
10. Place : Zoetermeer
11. Date : 14 June 2019
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.

---

<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\*30R02/20\*115904\*00

## Annex 1

### 2. Tyre type designation

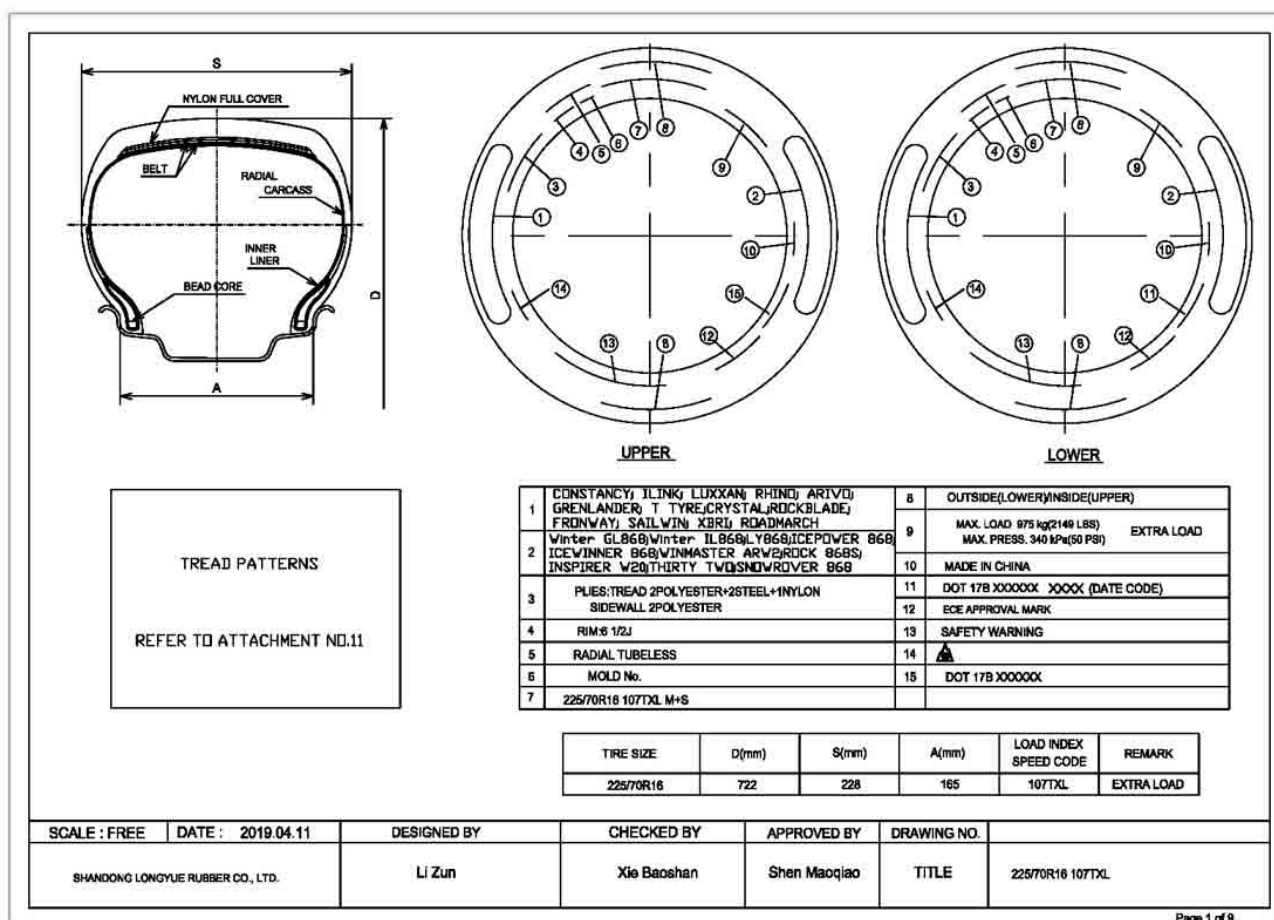
#### 2.1. Brand-name(s)/trademark(s):

GRENLANDER; ILINK; CONSTANCY; FRONWAY; SAILWIN; ARIVO; XBRI; LUXXAN; RHINO; TTYRE; CRYSTAL ;  
ROCKBLADE; ROADMARCH

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

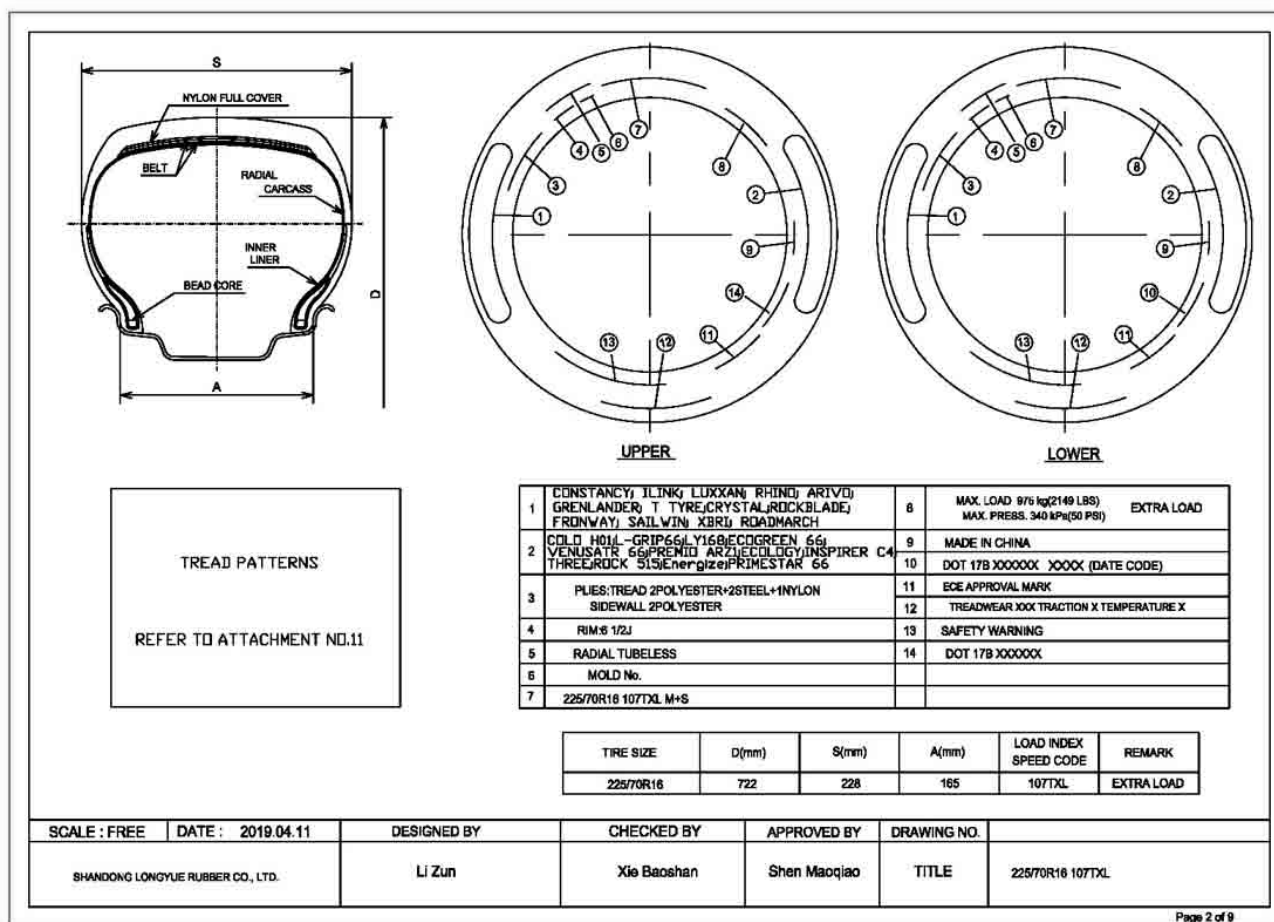
Winter GL868; Winter IL868; LY868; ICEPOWER 868; ICEWINNER 868; WINMASTER ARW2; INSPIRER W20; THIRTY TWO;  
ROCK 868S; SNOWROVER 868; COLO H01; L-GRIP66; LY168; ECOGREEN 66; VENUSATR 66; PREMIO ARZ1; ECOLOGY;  
INSPIRER C4; THREE; Energize; ROCK 515; PRIMESTAR 66; GREENWING A/S; MULTIMATCH A/S; FRONWING A/S;  
FREIMATCH A/S; Carlorful A/S; INSPIRER A/S 1; FORTY ONE; ROCK A/S ONE; PRIME A/S; L-ZEAL56; LY566; SPEEDWAY 56;  
SPORTWAY 56; ULTRA ARZ5; SPORT+; INSPIRER S4; EMOTION; TEN; Drift ; ROCK 566; ENRI U08; THUNDER U09; LY169;  
EURUS 08; VENUSATR 08; ULTRA ARZ4; SPORT+2; INSPIRER S8; FOUR; Envoy; ROCK 525; PRIME UHP 08; MAHO 77;  
POWERCITY 77; TOPOWER 87 H/T; ROADPOWER H/T; ROADKING H/T; TERRANO ARV H/T; FORZA H/T2; INSPIRER F4;  
TWENTY TWO; Maxim; ROCK 717 H/T; PRIMEMARCH H/T 77; MAGA A/T TWO; TERRA MAX LSR2 A/T; TERRA XPLOER C2 A/T;  
ROCKBLADE A/T II; GLADIATAX A/T II; TERRAMAX ARV PRO A/T; FORZA A/T 2; INSPIRER A/T II; TOUGH TRAC A/T II;  
ROCK 737 A/T; PRIMEMAX A/T II; MAGA A/T ONE; TERRA MAX LSR1 A/T; TERRA XPLOER C1 A/T; ROCKBLADE A/T I;  
GLADIATAX A/T I; TERRAMAX ARV A/T; FORZA A/T; INSPIRER A/T I; TOUGH TRAC A/T I; ROCK 727 A/T; PRIMEMAX A/T I



APPENDIX 1. CONSTRUCTION IMAGE <sup>(1)</sup>

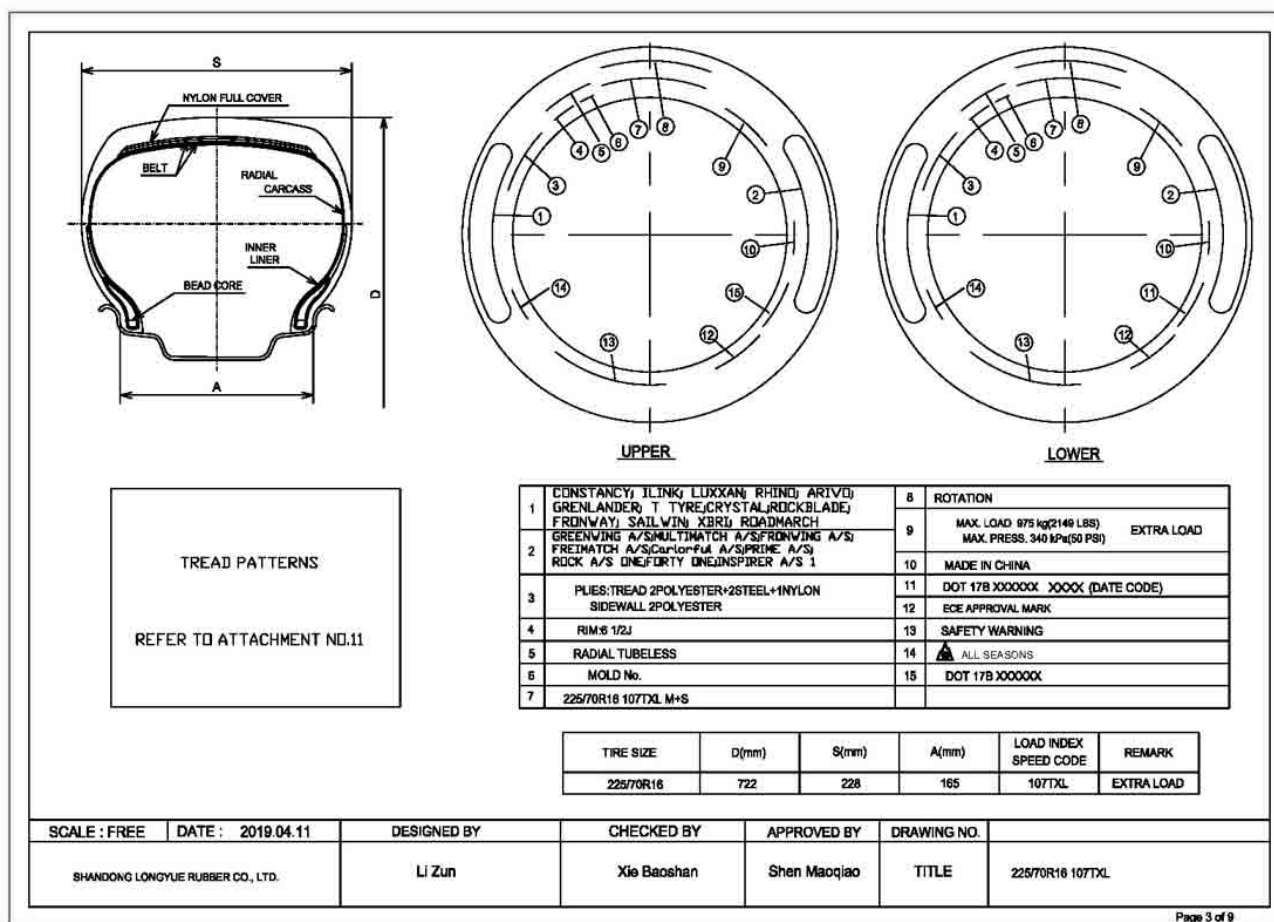
<sup>(1)</sup> The tyre marking statements are considered leading in case of deviating drawing information.

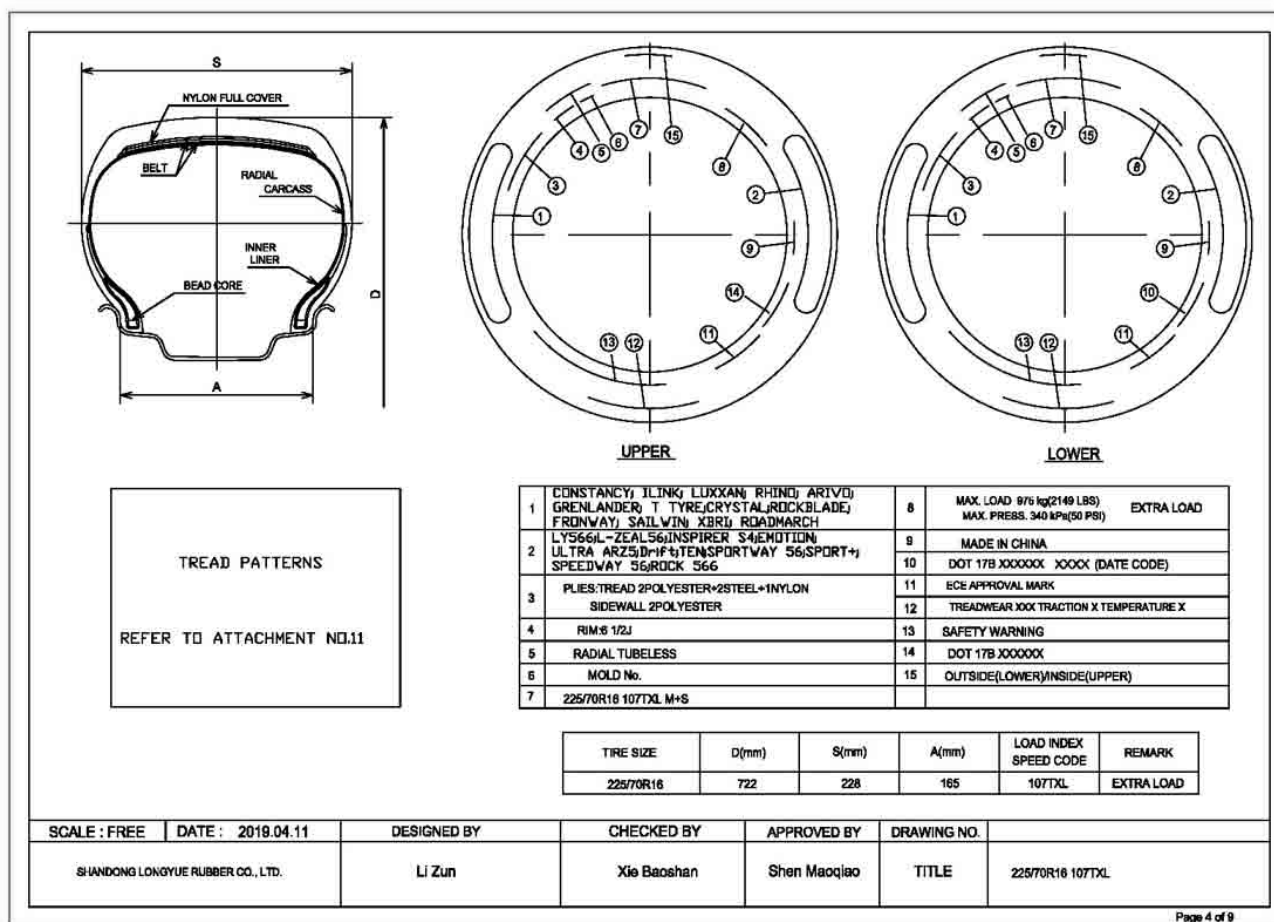


APPENDIX 2. CONSTRUCTION IMAGE <sup>(1)</sup>

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

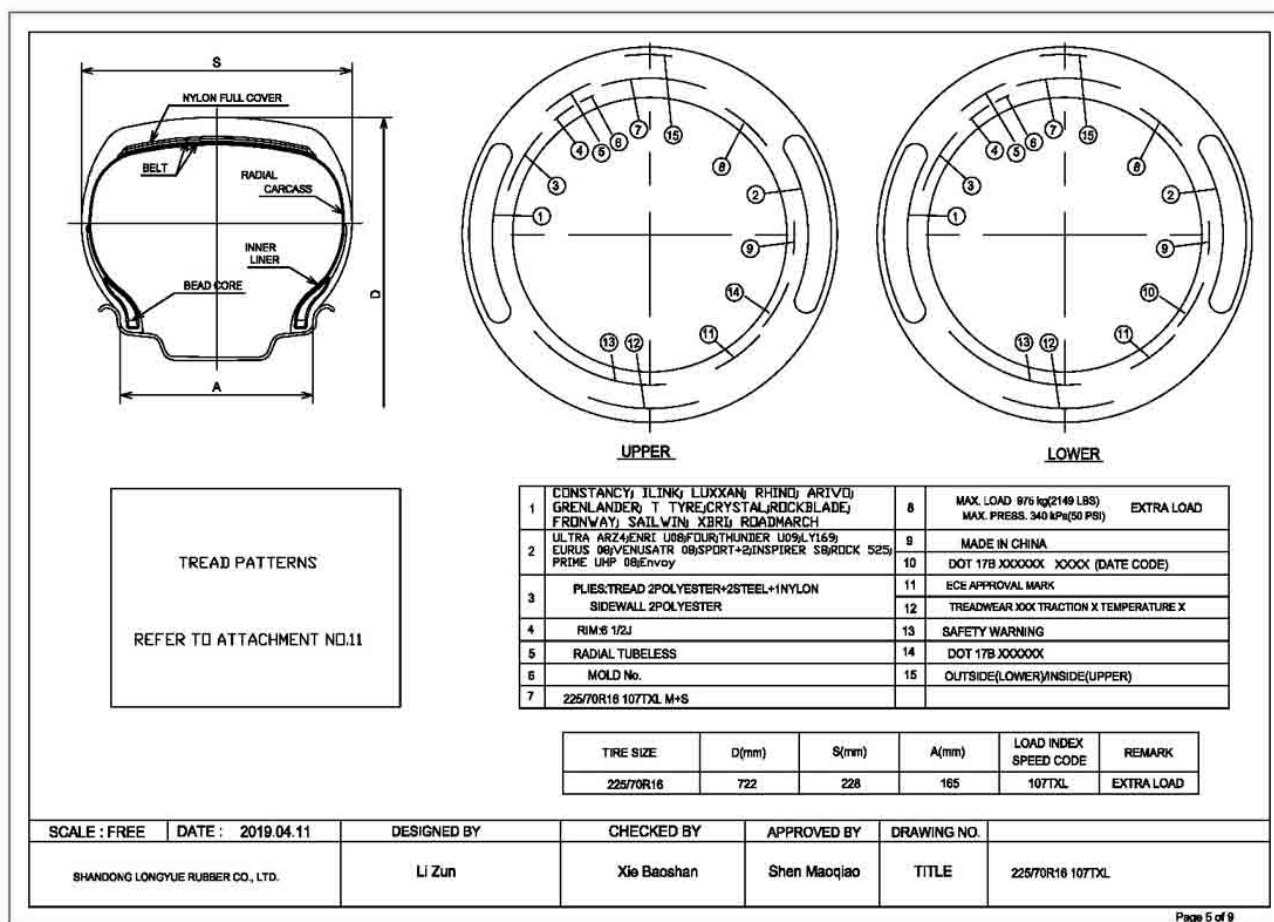


APPENDIX 3. CONSTRUCTION IMAGE <sup>(1)</sup><sup>(1)</sup> The tyre marking statements are considered leading in case of deviating drawing information.

APPENDIX 4. CONSTRUCTION IMAGE <sup>(1)</sup>

Page 4 of 9

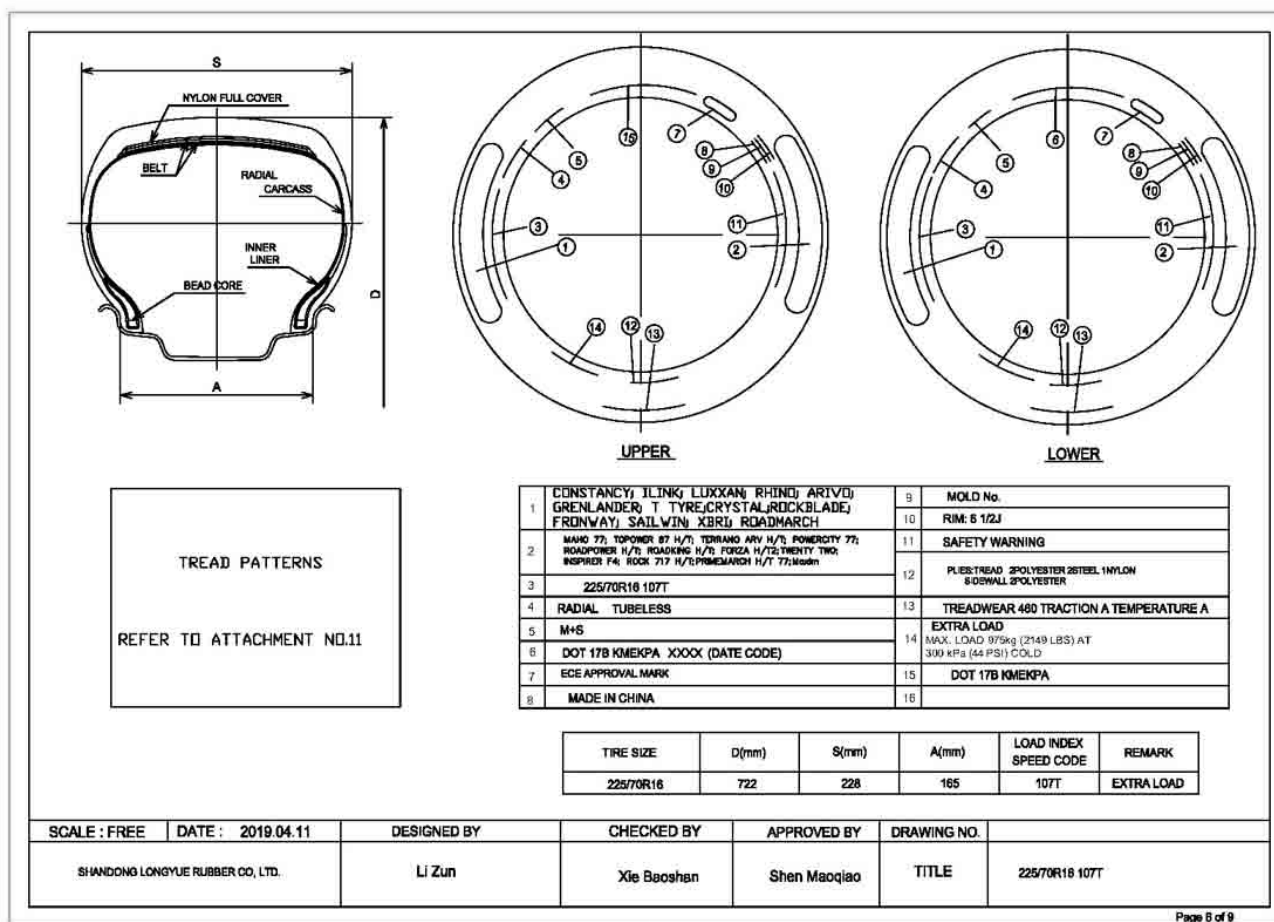
<sup>(1)</sup> The tyre marking statements are considered leading in case of deviating drawing information.

APPENDIX 5. CONSTRUCTION IMAGE <sup>(1)</sup>

Page 5 of 9

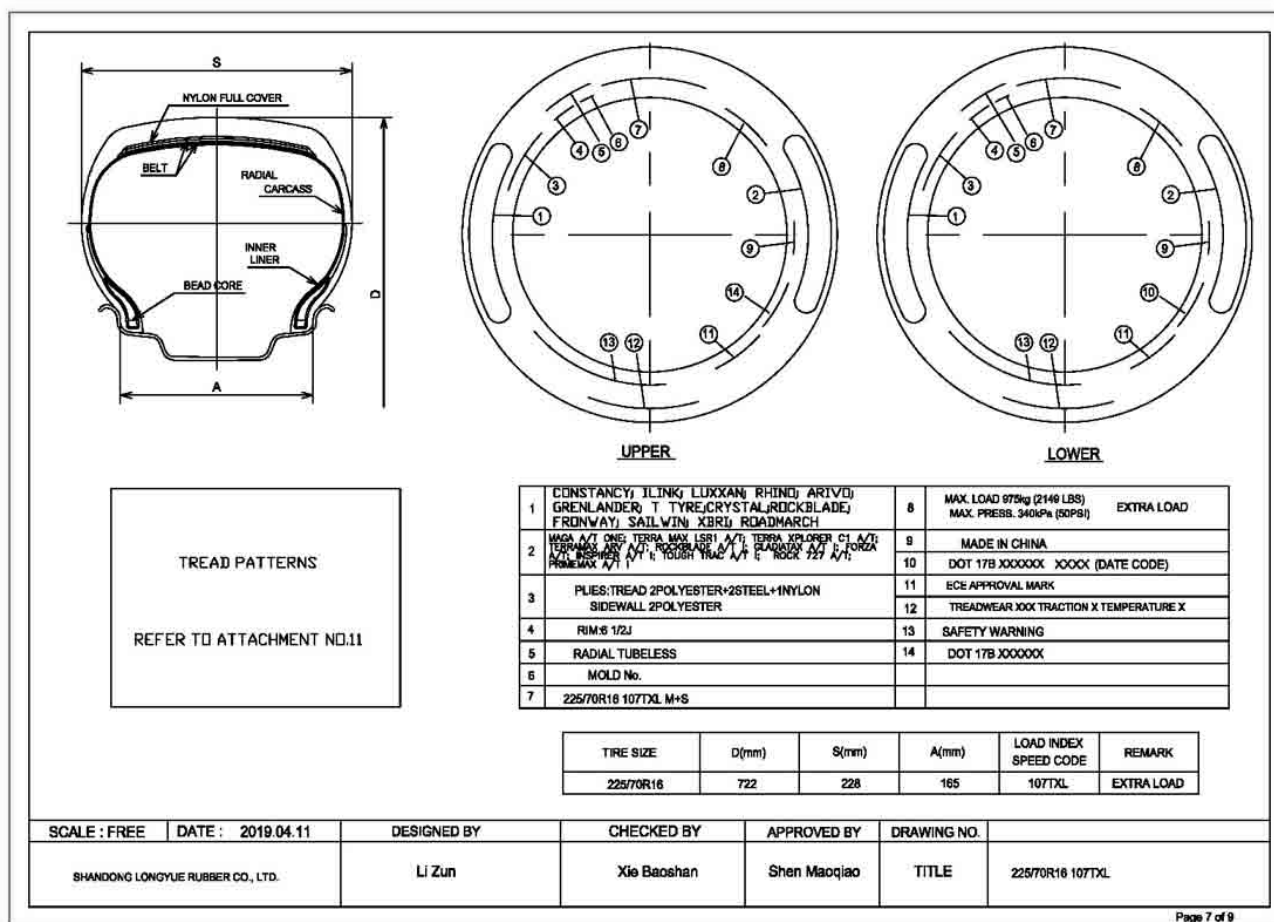
<sup>(1)</sup> The tyre marking statements are considered leading in case of deviating drawing information.



APPENDIX 6. CONSTRUCTION IMAGE <sup>(1)</sup>

Page 6 of 9

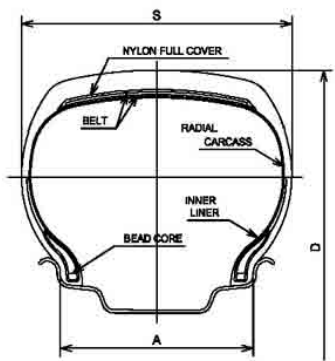
<sup>(1)</sup> The tyre marking statements are considered leading in case of deviating drawing information.

APPENDIX 7. CONSTRUCTION IMAGE <sup>(1)</sup>

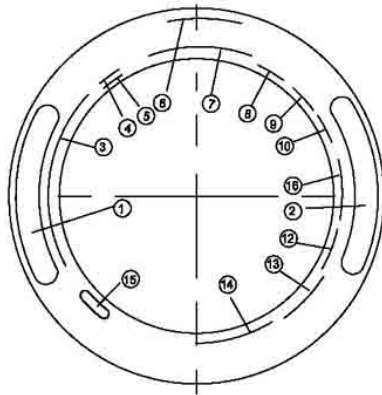
Page 7 of 9

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

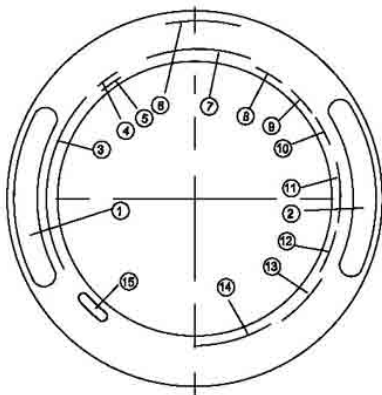
APPENDIX 8. CONSTRUCTION IMAGE <sup>(1)</sup>



TREAD PATTERNS  
REFER TO ATTACHMENT NO.11



UPPER



LOWER

1	CONSTANCY; ILINK; LUXKAN; RHINO; ARIVO; GRENLANDER; T TYRE; CRYSTAL; ROCKBLADE; FRONWAY; SAILWIN; XBRI; ROADMARCH	9	TUBELESS
2	MAGA A/T TWO; TERRA MAX LSPI A/T; TERRA EXPLORER CE A/T; TERRAMAX ARV PRO A/T; ROCKBLADE A/T E; GUADATAX A/T E; FORZA A/T 2; INSPIRER A/T II; TOUGH TRAC A/T II; ROCK 737 A/T; PRIMEA A/T E	10	MADE IN CHINA
3	SAFETY WARNING	11	DOT 17B KMEEPA XXXX (DATE CODE)
4	MOLD No.	12	RADIAL
5	RIM: 6J	13	PLYESTHEAD 2POLYESTER 20TIEL 1NYLON SIDEWALL 2POLYESTER
6	TREADWEAR 400 TRACTION A TEMPERATURE A	14	EXTRA LOAD MAX LOAD 875 kg(2148 LBS) MAX PRESSURE 340 kPa(50 PSI)
7	225/70R16 107T	15	ECE APPROVAL MARK
8	M+S	16	DOT 17B KMEEPA

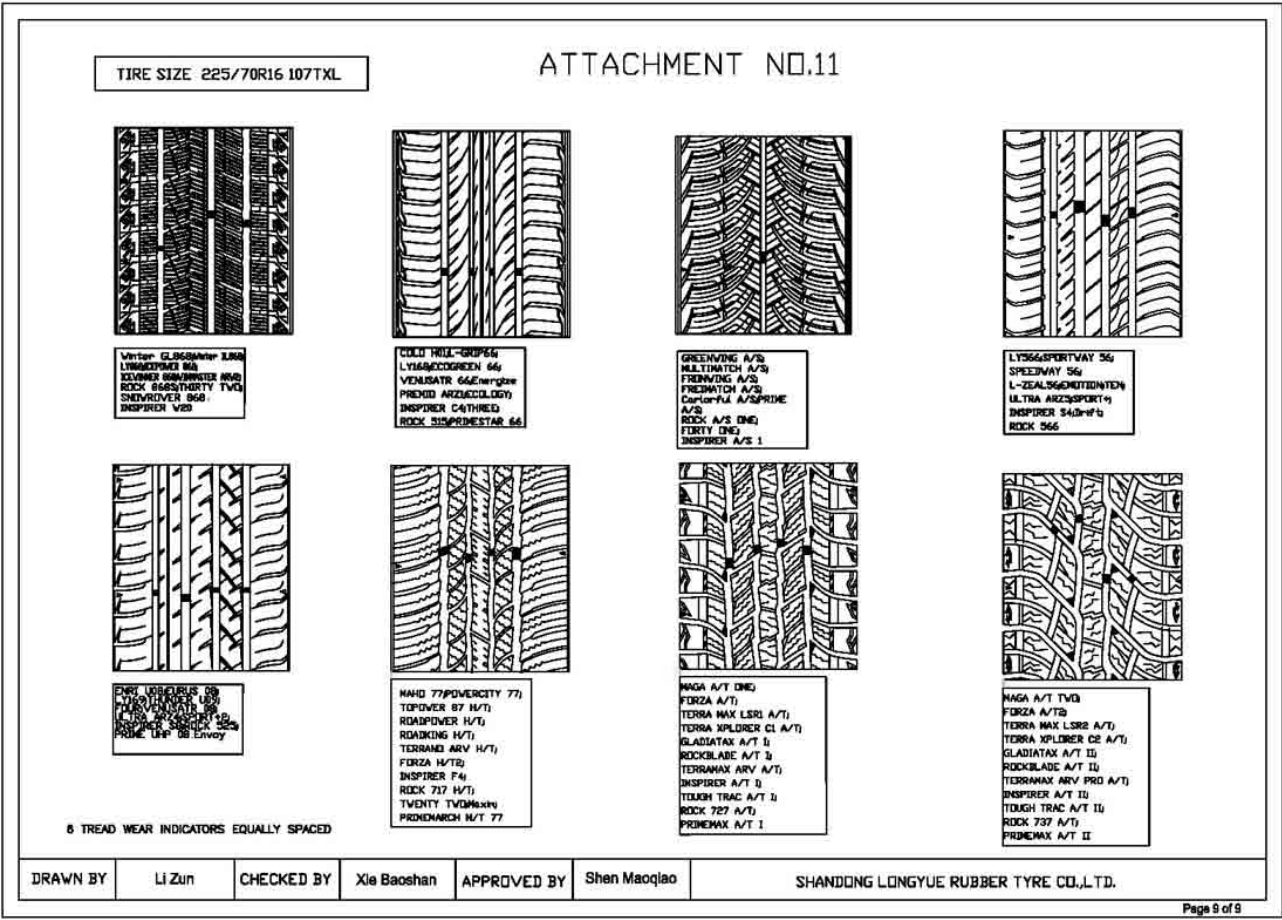
TIRE SIZE	D(mm)	S(mm)	A(mm)	LOAD INDEX	SPEED CODE	REMARK
225/70R16	722	228	165	107T		EXTRA LOAD

SCALE : FREE	DATE : 2019.04.11	DESIGNED BY	CHECKED BY	APPROVED BY	DRAWING NO.
SHANDONG LONGYUE RUBBER CO., LTD.		Li Zun	Xie Baoshan	Shen Maoqiao	TITLE
					225/70R16 107T

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



APPENDIX 9. CONSTRUCTION IMAGE <sup>(1)</sup>



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



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 20

Test reports	:	<table><tr><th>Date</th><th>Reference</th></tr><tr><td>2019-03-20</td><td>CS030-A0-2019-00634</td></tr></table>	Date	Reference	2019-03-20	CS030-A0-2019-00634
Date	Reference					
2019-03-20	CS030-A0-2019-00634					
Name and address of designated technical service	:	TÜV NORD Mobilität GmbH & Co.KG (HQ) IFM–Institut für Fahrzeugtechnik und Mobilität Schönscheidtstrasse 28 D-45307 Essen Germany				
Name and address of branch office of designated technical service	:	TÜV NORD Mobility(Shanghai) Co.,Ltd. Building 5, No.1, Greenland Central Plaza, Lane 1377 Jiang Chang Road, Jing An District, 200072, Shanghai, P.R.China				
Tyre size designation	:	225/70R16				
Brand-name(s) / trademark(s)	:	GRENLANDER, ILINK, CONSTANCY, FRONWAY, SAILWIN, ARIVO, XBRI, LUXXAN, RHINO, TTYRE, CRYSTAL, ROCKBLADE, ROADMARCH				
Trade description(s) / commercial name(s)	:	Winter GL868, Winter IL868, LY868, ICEPOWER 868, ICEWINNER 868, WINMASTER ARW2, INSPIRER W20, THIRTY TWO, ROCK 868S, SNOWROVER 868, COLO H01, L-GRIP66, LY168, ECOGREEN 66, VENUSATR 66, PREMIO ARZ1, ECOLOGY, INSPIRER C4, THREE, Energize, ROCK 515, PRIMESTAR 66, 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, L-ZEAL56, LY566, SPEEDWAY 56, SPORTWAY 56, ULTRA ARZ5, SPORT+, INSPIRER S4, EMOTION, TEN, Drift, ROCK 566, ENRI U08, THUNDER U09, LY169, EURUS 08, VENUSATR 08, ULTRA ARZ4, SPORT+2, INSPIRER S8, FOUR, Envoy, ROCK 525, PRIME UHP 08, MAHO 77, POWERCITY 77, TOPOWER 87 H/T, ROADPOWER H/T, ROADKING H/T, TERRANO ARV H/T, FORZA H/T2, INSPIRER F4, TWENTY TWO, Maxim, ROCK 717 H/T, PRIMEMARCH H/T 77, MAGA A/T TWO, TERRA MAX LSR2 A/T, TERRA XPLOER C2 A/T, ROCKBLADE A/T II, GLADIATAX A/T II, TERRAMAX ARV PRO A/T, FORZA A/T 2, INSPIRER A/T II, TOUGH TRAC A/T II, ROCK 737 A/T, PRIMEMAX A/T II, MAGA A/T ONE, TERRA MAX LSR1 A/T, TERRA XPLOER C1 A/T, ROCKBLADE A/T I, GLADIATAX A/T I, TERRAMAX ARV A/T, FORZA A/T, INSPIRER A/T I, TOUGH TRAC A/T I, ROCK 727 A/T, PRIMEMAX A/T I				
Category of use	:	Snow				
Structure	:	Radial				
Speed category symbol	:	T				
Load capacity index	:	107				
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 (art. 2.37.6)	:	N.A.				
Tread-wear indicators	:					
Height of lowest tread-wear indicator	:	1.98 mm				
Height of tallest tread-wear indicator	:	2.01 mm				
Number of transverse rows of wear indicators	:	6				
Special use tread pattern features	:	N.A.				



# 1 Test data

## 1.1 MEASURING DATA (ACCORDING TO ANNEX 6)

1.1.1	Measuring rim width	:	6.5 inch
1.1.2	Conditioning		
	Mounting pressure	:	3.5 bar
	Adjusted pressure	:	2.2 bar
	Conditioning time	:	24 hrs
	Test room temperature	:	25 °C
	Readjusted pressure	:	2.2 bar
1.1.3	Measurements		
	Overall width measured	:	228 mm
	Calculated outer diameter	:	719.1 mm
1.1.4	Plies of tyre subject for type approval	:	N.A.

## 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 m
	Test rim width	:	6.5 inch
	Test axle load	:	780 kg
1.2.3	Conditioning		
	Test inflation pressure	:	3.2 bar
	The test inflation pressure differs from those given under Annex 7 paragraph 1.2	:	N
	Conditioning time	:	3 hrs
	Test room temperature	:	25 °C
	Readjusted pressure	:	3.2 bar
1.2.4	Outer diameter before test	:	720.3 mm
1.2.5	Test procedure		
	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	:	N
	Conditioning time after test	:	6 hrs
	Calculated outer diameter of measured circumference after test	:	722.9 mm
	Change in outer diameter after test	:	0.36 %



## 2 TYRE MARKINGS STATEMENT <sup>(1)</sup>

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 $\geq 6$ mm	:	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.
	"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 <sup>(1)</sup>

S	:	228 mm
D	:	722 mm
A	:	165.1 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 20

4.1	Name and address of manufacturer (applicant)	: Shandong Longyue Rubber Co., Ltd. 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)	: TÜV NORD Mobility(Shanghai) Co.,Ltd. Building 5, No.1, Greenland Central Plaza, Lane 1377 Jiang Chang Road, Jing An District, 200072, Shanghai, P.R.China
4.1.1	Tyre size designation	: 225/70R16
4.1.2.1	Brand-name(s) / trademark(s)	: GRENLANDER, ILINK, CONSTANCY, FRONWAY, SAILWIN, ARIVO, XBRI, LUXXAN, RHINO, TTYRE, CRYSTAL, ROCKBLADE, ROADMARCH
4.1.2.2	Trade description(s) / commercial name(s)	: Winter GL868, Winter IL868, LY868, ICEPOWER 868, ICEWINNER 868, WINMASTER ARW2, INSPIRER W20, THIRTY TWO, ROCK 868S, SNOWROVER 868, COLO H01, L-GRIP66, LY168, ECOGREEN 66, VENUSATR 66, PREMIO ARZ1, ECOLOGY, INSPIRER C4, THREE, Energize, ROCK 515, PRIMESTAR 66, 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, L-ZEAL56, LY566, SPEEDWAY 56, SPORTWAY 56, ULTRA ARZ5, SPORT+, INSPIRER S4, EMOTION, TEN, Drift, ROCK 566, ENRI U08, THUNDER U09, LY169, EURUS 08, VENUSATR 08, ULTRA ARZ4, SPORT+2, INSPIRER S8, FOUR, Envoy, ROCK 525, PRIME UHP 08, MAHO 77, POWERCITY 77, TOPOWER 87 H/T, ROADPOWER H/T, ROADKING H/T, TERRANO ARV H/T, FORZA H/T2, INSPIRER F4, TWENTY TWO, Maxim, ROCK 717 H/T, PRIMEMARCH H/T 77, MAGA A/T TWO, TERRA MAX LSR2 A/T, TERRA XPLOER C2 A/T, ROCKBLADE A/T II, GLADIATAX A/T II, TERRAMAX ARV PRO A/T, FORZA A/T 2, INSPIRER A/T II, TOUGH TRAC A/T II, ROCK 737 A/T, PRIMEMAX A/T II, MAGA A/T ONE, TERRA MAX LSR1 A/T, TERRA XPLOER C1 A/T, ROCKBLADE A/T I, GLADIATAX A/T I, TERRAMAX ARV A/T, FORZA A/T, INSPIRER A/T I, TOUGH TRAC A/T I, ROCK 727 A/T, PRIMEMAX A/T I
4.1.3	Category of use	: Snow
4.1.4	Structure	: Radial
4.1.5	Speed category symbol	: T
4.1.6	Load capacity index	: 107
4.1.7	Tubeless	: Y
4.1.8	Standard / reinforced / T-type temporary use	: Reinforced
4.1.9	Ply-rating number of diagonal (bias-ply) tyres	: N.A.
4.1.10	Overall dimensions	
	Overall section width	: 228 mm
	Outer diameter	: 719.1 mm
4.1.11	Rims on which the tyre can be mounted	: 6.5, 6, 7, 7.5 inch
4.1.12	Measuring rim	: 6.5 inch
	Test rim	: 6.5 inch
4.1.13	Test inflation pressure if different from those given under Annex 7 paragraph 1.2	: N.A.
4.1.14	Factor 'x'	: 0.7
4.1.15	Maximum speed and the load carrying capacity allowed for that maximum speed in case of speeds in excess of 300 km/h	: N.A.
4.1.16	Bead retention identification 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.	: N





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.
- This application has been submitted by the duly accredited representative of the manufacturer per art 4.1 of the regulation. The underlying statement to submit on behalf of the manufacturer can be presented upon request.
- The type approval application for the subject component is submitted only at RDW as Contracting party pursuant to this UN regulation.

Company	:	TÜV NORD Mobility(Shanghai) Co.,Ltd.
Name of person responsible for the submitted application data	:	Chris She
Function of above mentioned authorised person	:	Engineer
E-mail address of above mentioned authorised person	:	cshe@tuv-nord.com
Place of submission	:	Shanghai, P.R.China
Submitted for approval on (date)	:	31/05/2019 13:45:46
Reference id of the application given by the applicant	:	

