

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- ~~approval withdrawn~~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\*85995\*02**

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 : 225/50R17
  - 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 : W
  - 4.5. Load-capacity index : 98

**Approval number: E4\*30R02/20\*85995\*02**

5. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV Rheinland Kraftfahrt GmbH  
Am Grauen Stein  
D-51101 Köln  
Germany
6. Date of report issued by that service : 2019-05-20
7. Number of report issued by that service : 86-R30-3523/18-00
8. Reason(s) of extension (if applicable) : Update of tyre type designation(s)  
Upgrade of regulation supplement number  
Update of construction variant(s)  
Type approval number is converted in accordance to the layout of revision 3 of the 1958 agreement.  
Addition of trade marks and trade descriptions.
9. Any remarks : Tyre size designation can be "225/50ZR17"
10. Place : Zoetermeer
11. Date : 13 September 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.

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<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\*85995\*02

## Annex 1

### 2. Tyre type designation

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

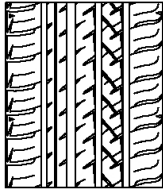
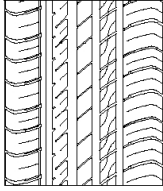
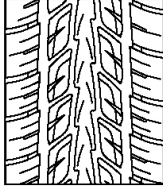
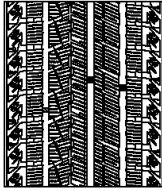
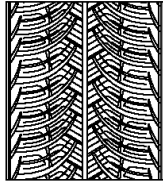
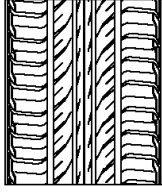
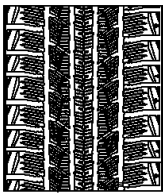
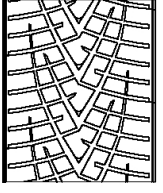
GRENLANDER; CONSTANCY; ILINK; LUXXAN; ARIVO; RHINO; T TYRE; CRYSTAL; ROCKBLADE; FRONWAY; SAILWIN; XBRI; ROADMARCH

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

LY566; L-ZEAL 56; INSPIRER S4; EMOTION; ULTRA ARZ5; TEN; Drift; SPORTWAY 56; ULTRA ARZ4; ENRI U08; THUNDER U09; LY169; EURUS 08; VENUSATR 08; SPORT+2; INSPIRER S8; FOUR; ROCK 525; PRIME UHP 08; SPEEDWAY 56; SPORT+; ROCK 566; DIAS ZERO; SPEEDKING 07; ULTRA SPORTLINE C7; EURUS 07; VENUSATR 07; ULTRA SPORT ARV7; SPORTLINE; INSPIRER S6; ROCK 535; PRIME UHP 07; Winter GL868; Winter IL868; LY868; ICEPOWER 868; ICEWINNER 868; WINMASTER ARW2; ROCK 868S; SNOWROVER 868; GREENWING A/S; MULTIMATCH A/S; FRONWING A/S; FREIMATCH A/S; Carlorful A/S; PRIME A/S; COLO H01; L-GRIP66; LY168; ECOGREEN 66; VENUSATR 66; PREMIO ARZ1; ECOLOGY; INSPIRER C4; THREE; ROCK 515; PRIMESTAR 66; GTR racing; Envoy; Energize; THIRTY TWO; FORTY ONE; ROCK A/S ONE; Winter GL888; Winter IL888; LY888; ICEPOWER 888; ICEWINNER 888; WINTERCROSS ARW8; ROCK 888S; INSPIRER W20; INSPIRER A/S 1



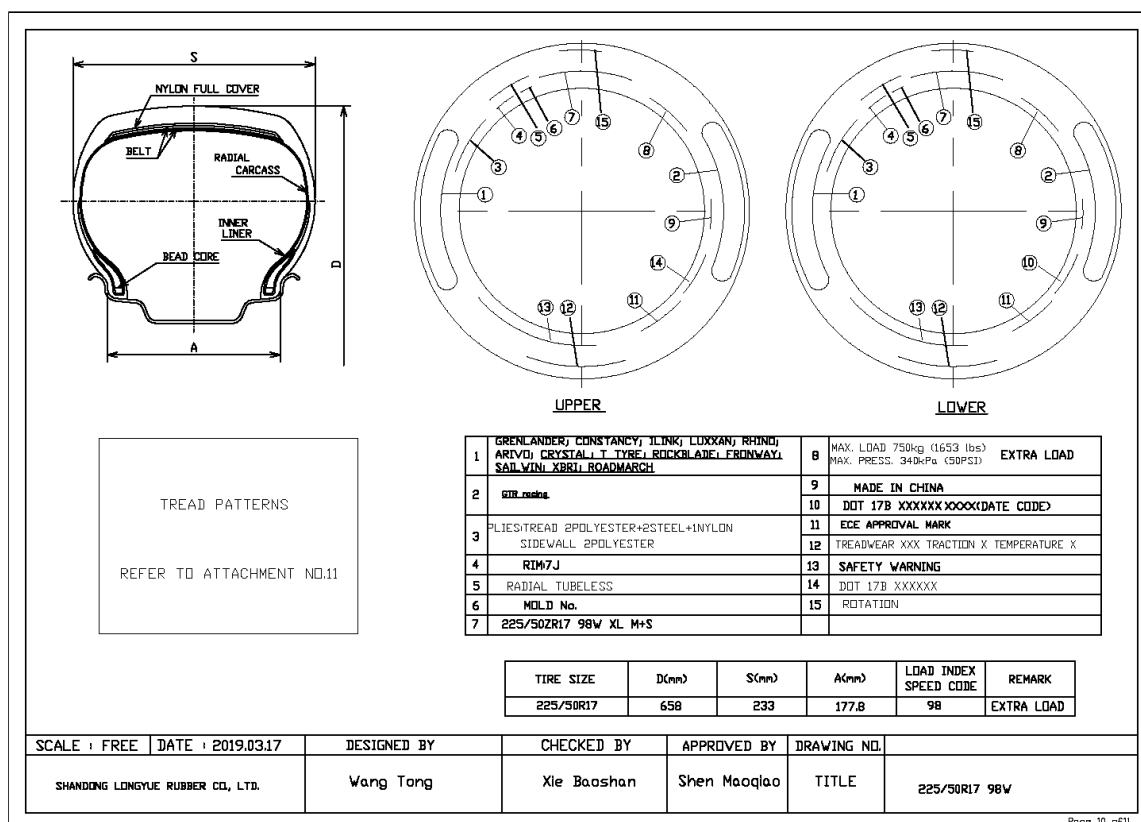
APPENDIX 1. CONSTRUCTION IMAGE <sup>(1)</sup>

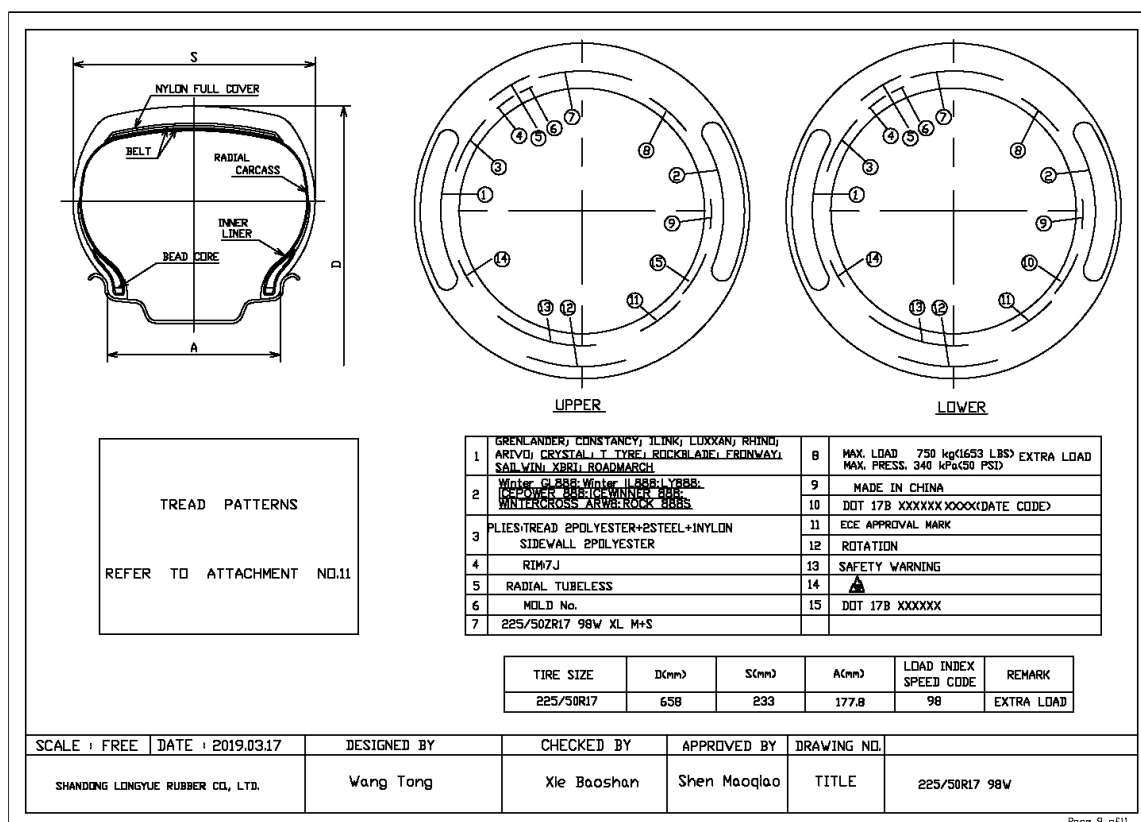
ATTACHMENT NO.11			
TIRE SIZE 225/50R17 98W			
			
FUEL LUGS/EUSUS 06; FUEL TRENK 06; FUEL VENUSATR 06; ULTRA SPORT 06; INSPIRER S4; ROCK 06; PRIME UHP 06; Envoy	LYONS; SPORTWAY 06; SPEEDWAY 06; L-ZEALUS/EMOTION; TEN; ULTRA ARIZ; SPORT; INSPIRER S4; DHT; ROCK 06	DIAS ZERO; ROCK 03; SPEEDING 07; ULTRA SPORTLINE C7; BURUS 07; VENUSATR 07; SPORTLINE; INSPIRER SR; ULTRA SPORT ARV7; PRIME UHP 07	Winter GLASS; Mile LMR; LYONS/POWER 06; ICEWINTER 06; ROCK 06; THIRTY TWO; SLOWCHOKER 06; INSPIRER 02
			
GREENWING A/S; MULTIMATCH A/S; FROWNING A/S; FROWNING A/S; CATERHILL A/S; PRIME A/S; ROCK A/S ONE; FORTY ONE; INSPIRER A/S 1	COLD RPTL-06PR; LYONS; ECOGREEN 06; VENUSATR 06; Envelope; PREMIO ARIZ; ECOLOGY; INSPIRER C4; THREE; ROCK 015; PRIMESTAR 06	Winter GLASS; Winter LMR; LYONS; ICEPOWER 06; ICEWINNER 06; WINTERCROSS ARWS; ROCK 06	GTR racing
SKID DEPTH 8.0	SKID DEPTH 8.0	SKID DEPTH 9.0	SKID DEPTH 8.3
SKID DEPTH 6.8	SKID DEPTH 6.0	SKID DEPTH 9	SKID DEPTH 9.0
DRAWN BY Wang Tong    CHECKED BY Wangshilun    APPROVED BY Shen Maoqiao    SHANDONG LONGYUE RUBBER TYRE CO.,LTD.			

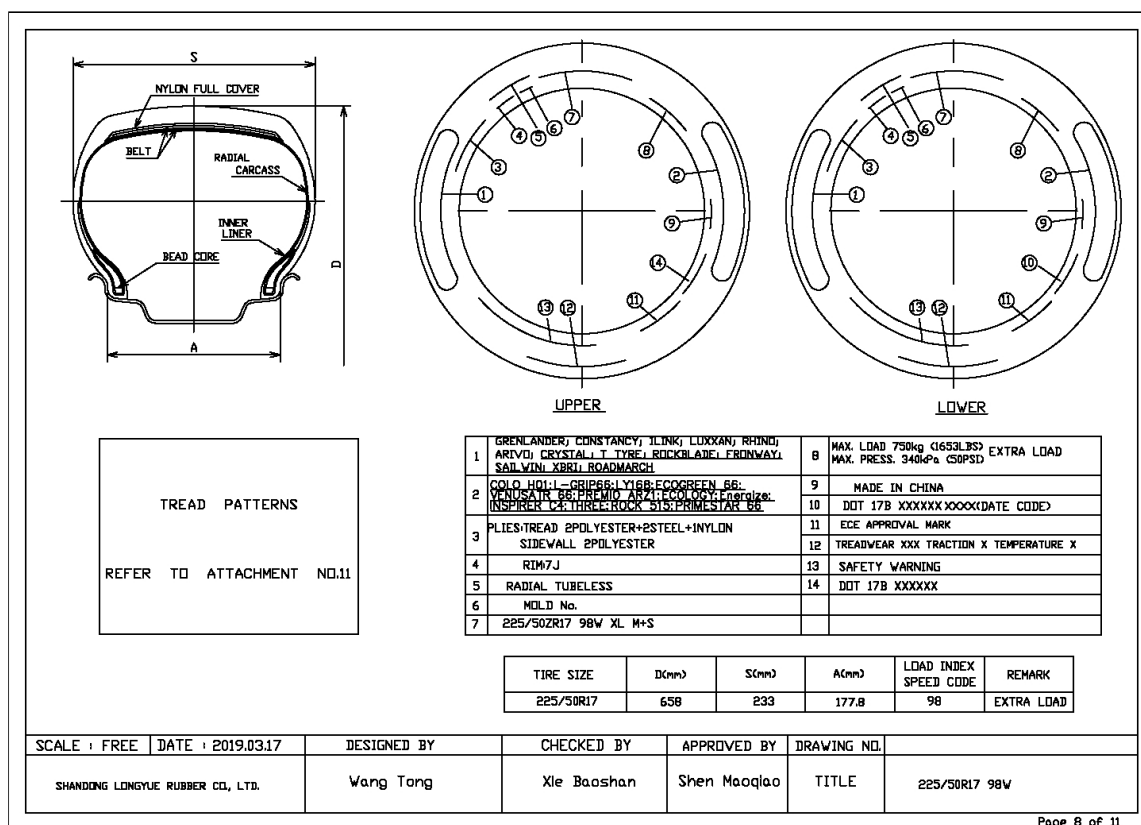
Page 11 of 11

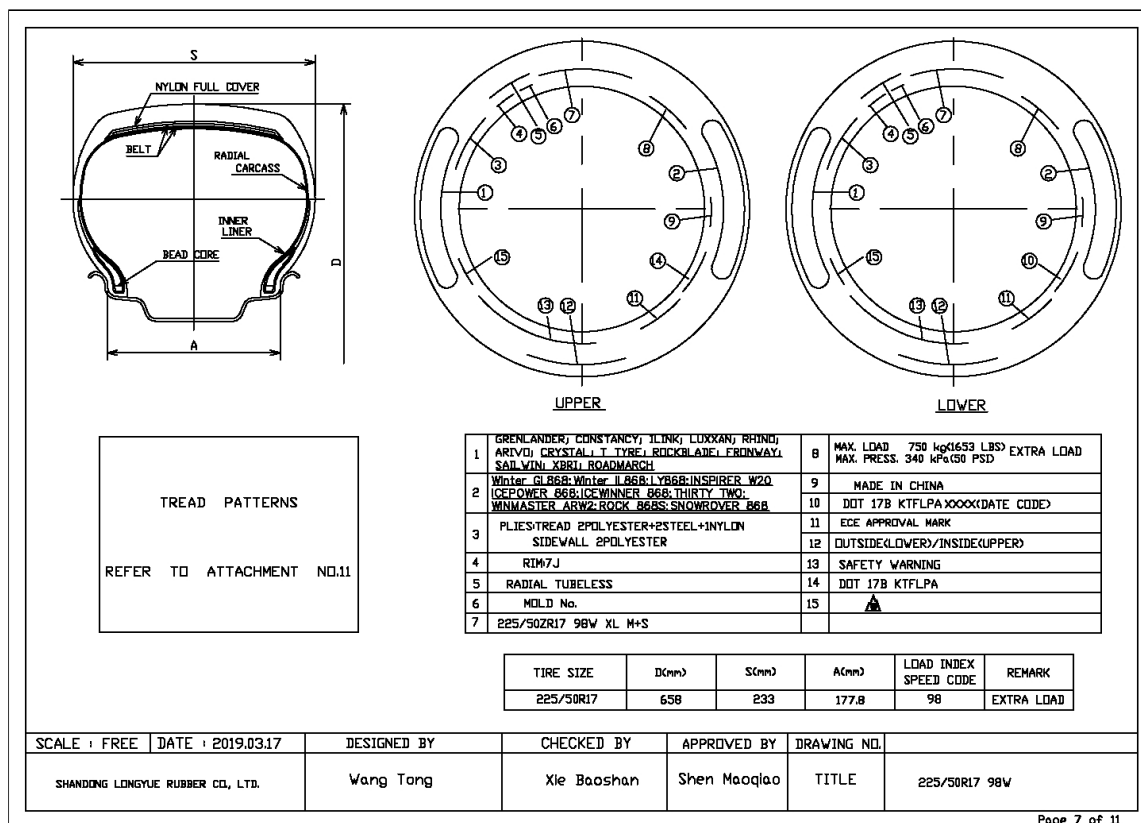
<sup>(1)</sup> The tyre marking statements are considered leading in case of deviating drawing information.



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.

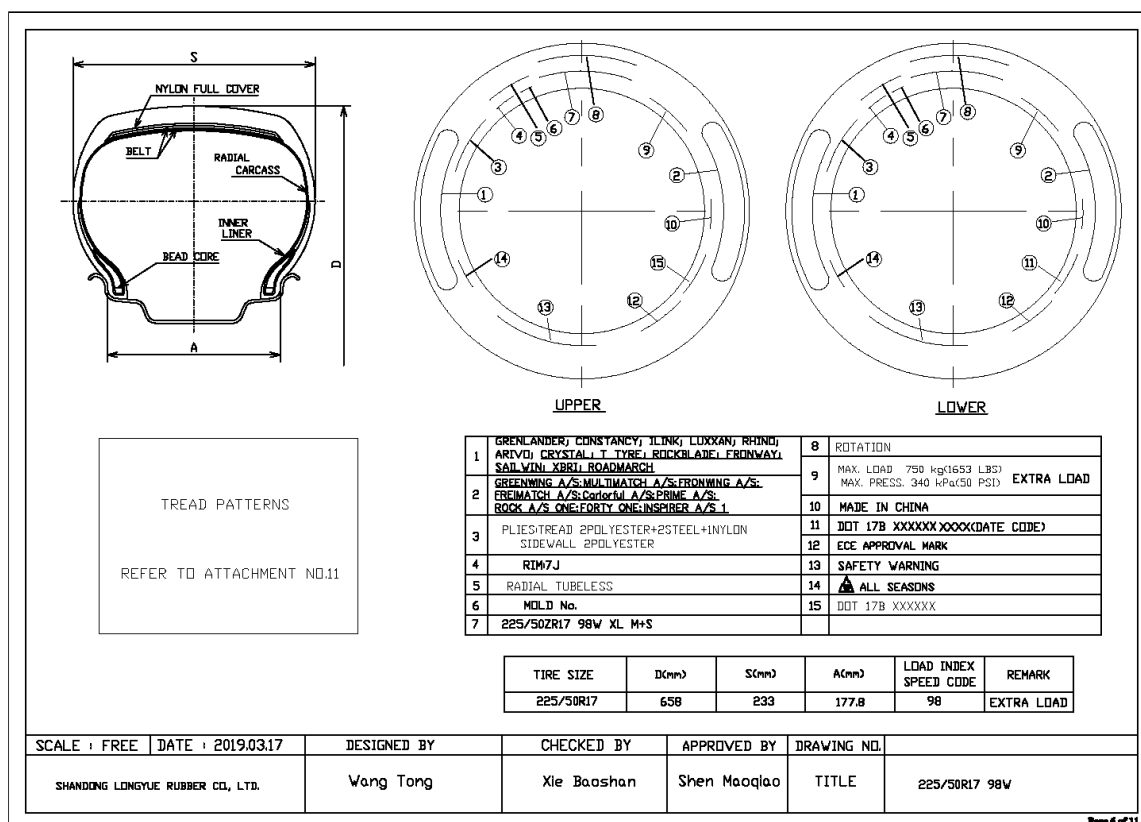
APPENDIX 4. CONSTRUCTION IMAGE <sup>(1)</sup><sup>(1)</sup> The tyre marking statements are considered leading in case of deviating drawing information.

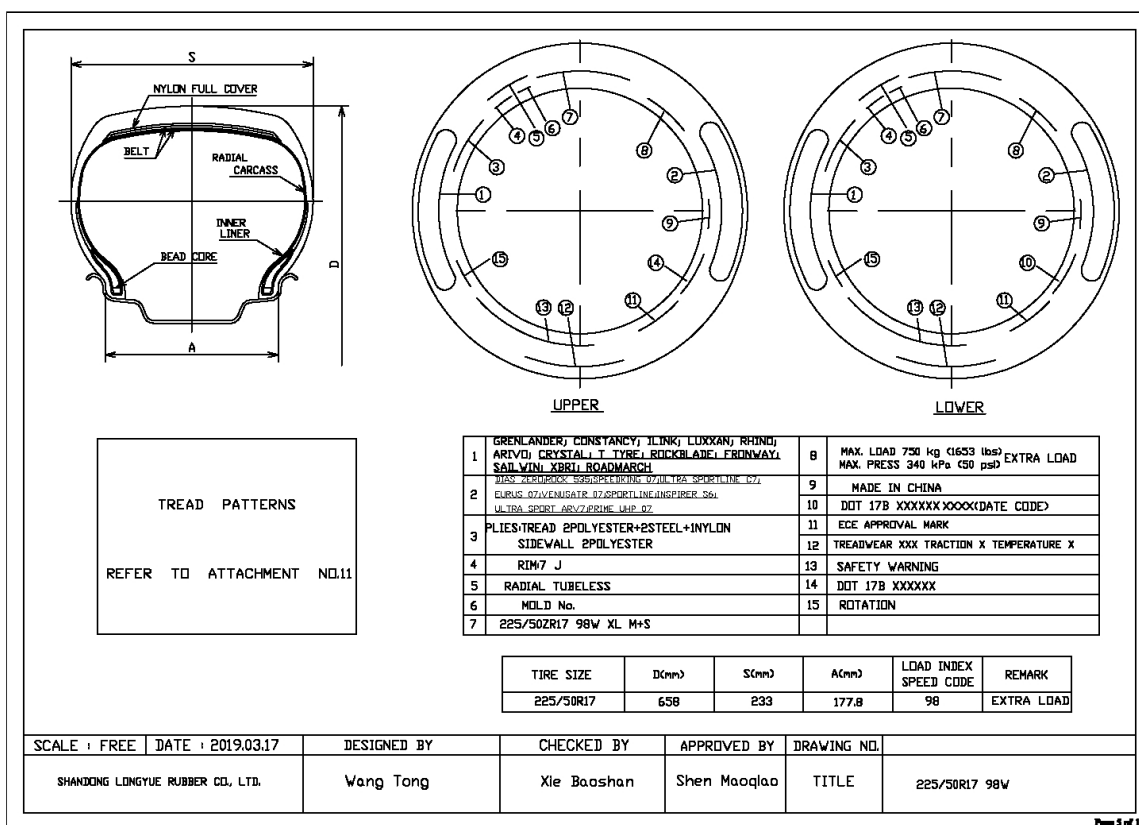
APPENDIX 5. CONSTRUCTION IMAGE <sup>(1)</sup>

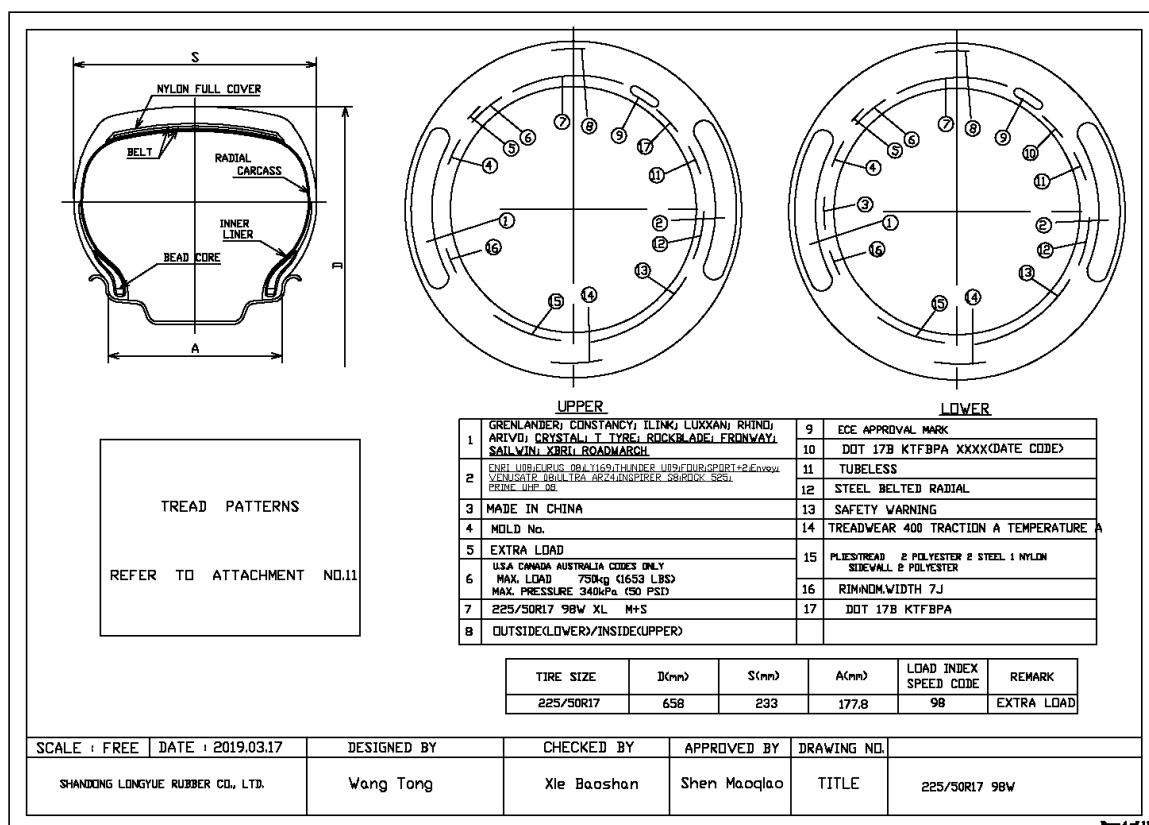
Page 7 of 11

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



APPENDIX 6. CONSTRUCTION IMAGE <sup>(1)</sup><sup>(1)</sup> The tyre marking statements are considered leading in case of deviating drawing information.

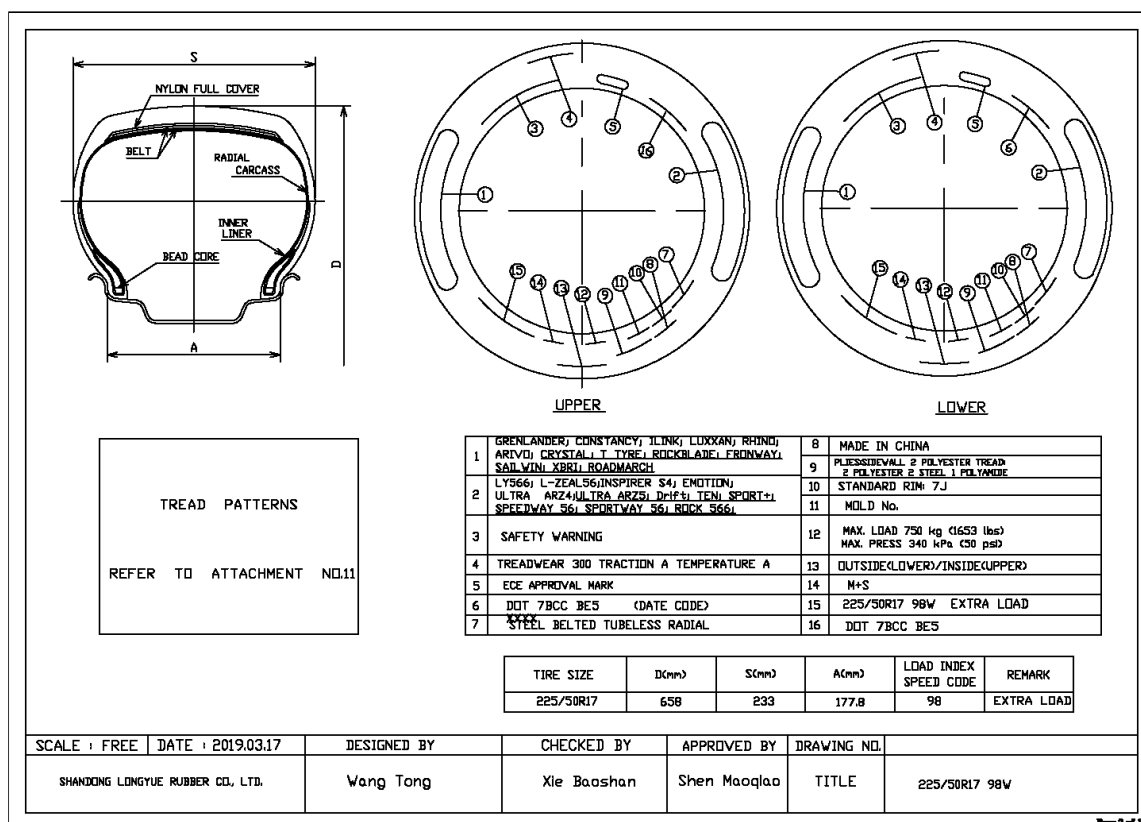
APPENDIX 7. CONSTRUCTION IMAGE <sup>(1)</sup><sup>(1)</sup> The tyre marking statements are considered leading in case of deviating drawing information.

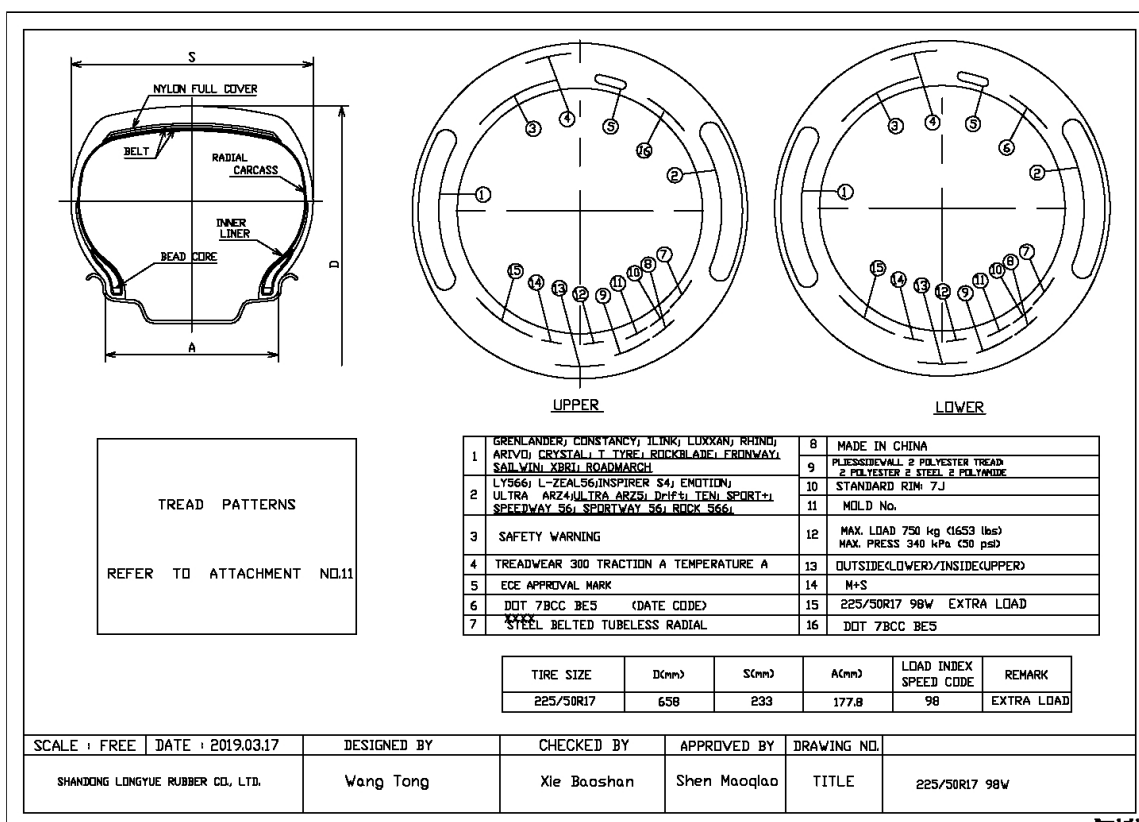
APPENDIX 8. CONSTRUCTION IMAGE <sup>(1)</sup>

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



APPENDIX 10. CONSTRUCTION IMAGE <sup>(1)</sup><sup>(1)</sup> The tyre marking statements are considered leading in case of deviating drawing information.

APPENDIX 11. CONSTRUCTION IMAGE <sup>(1)</sup>

(1) 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>2019-05-20</td><td>86-R30-3523/18-00</td></tr></table>	Date	Reference	2019-05-20	86-R30-3523/18-00
Date	Reference					
2019-05-20	86-R30-3523/18-00					
Name and address of designated technical service	:	TÜV Rheinland Kraftfahrt GmbH Am Grauen Stein D-51101 Köln Germany				
Name and address of branch office of designated technical service	:	TÜV Rheinland / CCIC (Qingdao) Co., Ltd. 6F, No. 2 Bldg., No. 175 Zhuzhou Road, Qingdao, China				
Tyre size designation	:	225/50R17				
Brand-name(s) / trademark(s)	:	GRENLANDER, CONSTANCY, ILINK, LUXXAN, ARIVO, RHINO, T TYRE, CRYSTAL, ROCKBLADE, FRONWAY, SAILWIN, XBRI, ROADMARCH				
Trade description(s) / commercial name(s)	:	LY566, L-ZEAL 56, INSPIRER S4, EMOTION, ULTRA ARZ5, TEN, Drift, SPORTWAY 56, ULTRA ARZ4, ENRI U08, THUNDER U09, LY169, EURUS 08, VENUSATR 08, SPORT+2, INSPIRER S8, FOUR, ROCK 525, PRIME UHP 08, SPEEDWAY 56, SPORT+, ROCK 566, DIAS ZERO, SPEEDKING 07, ULTRA SPORTLINE C7, EURUS 07, VENUSATR 07, ULTRA SPORT ARV7, SPORTLINE, INSPIRER S6, ROCK 535, PRIME UHP 07, Winter GL868, Winter IL868, LY868, ICEPOWER 868, ICEWINNER 868, WINMASTER ARW2, ROCK 868S, SNOWROVER 868, GREENWING A/S, MULTIMATCH A/S, FRONWING A/S, FREIMATCH A/S, Carlorful A/S, PRIME A/S, COLO H01, L-GRIP66, LY168, ECOGREEN 66, VENUSATR 66, PREMIO ARZ1, ECOLOGY, INSPIRER C4, THREE, ROCK 515, PRIMESTAR 66, GTR racing, Envoy, Energize, THIRTY TWO, FORTY ONE, ROCK A/S ONE, Winter GL888, Winter IL888, LY888, ICEPOWER 888, ICEWINNER 888, WINTERCROSS ARW8, ROCK 888S, INSPIRER W20, INSPIRER A/S 1				
Category of use	:	Snow				
Structure	:	Radial				
Speed category symbol	:	W				
Load capacity index	:	98				
Protective rib	:	N				
Tubeless	:	Y				
Standard / reinforced / T-type temporary use	:	Reinforced				
Ply-rating number of diagonal (bias-ply) tyres	:	N.A.				
Factor 'x'	:	0.70				
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	:	1.83 mm				
Height of tallest tread-wear indicator	:	1.90 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 1

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

1.1.1.1 Measuring rim width : 7.00 inch

#### 1.1.1.2 Conditioning

Mounting pressure : 3.0 bar

Adjusted pressure : 2.2 bar

Conditioning time : 24 hrs

Test room temperature : 25.0 °C

Readjusted pressure : 2.2 bar

#### 1.1.1.3 Measurements

Overall width measured : 234.1 mm

Calculated outer diameter : 659.2 mm

#### 1.1.1.4 Plies of tyre subject for type approval

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

### 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 : 7.00 inch

Test axle load : 510.0 kg

#### 1.1.2.3 Conditioning

Test inflation pressure : 3.6 bar

The test inflation pressure differs from those given under Annex 7 paragraph 1.2 : N

Conditioning time : 3 hrs

Test room temperature : 22.0 °C

Readjusted pressure : 3.6 bar

1.1.2.4 Outer diameter before test : 663.04 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	230
2.	10	240
3.	10	250
4.	20	260

#### 1.1.2.6 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 : 663.99 mm

Change in outer diameter after test : 0.14 %





## 1.2 Construction variant 2 - Construction group 2

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

1.2.1.1	Measuring rim width	:	7.00 inch
1.2.1.2	Conditioning		
	Mounting pressure	:	3.0 bar
	Adjusted pressure	:	2.2 bar
	Conditioning time	:	24 hrs
	Test room temperature	:	25 °C
	Readjusted pressure	:	2.2 bar
1.2.1.3	Measurements		
	Overall width measured	:	231.2 mm
	Calculated outer diameter	:	658.3 mm
1.2.1.4	Plies of tyre subject for type approval	:	

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

### 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	:	7.00 inch
	Test axle load	:	510.0 kg
1.2.2.3	Conditioning		
	Test inflation pressure	:	3.6 bar
	The test inflation pressure differs from those given under Annex 7 paragraph 1.2	:	N
	Conditioning time	:	3 hrs
	Test room temperature	:	37 °C
	Readjusted pressure	:	3.6 bar
1.2.2.4	Outer diameter before test	:	661.4 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	230
2.	10	240
3.	10	250
4.	20	260

1.2.2.6	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	:	664.3 mm
	Change in outer diameter after test	:	0.44 %



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	: 233 mm
D	: 658 mm
A	: 178.0 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 Rheinland / CCIC (Qingdao) Co., Ltd. 6F, No. 2 Bldg., No. 175 Zhuzhou Road, Qingdao, China									
4.1.1	Tyre size designation	:	225/50R17									
4.1.2.1	Brand-name(s) / trademark(s)	:	GRENLANDER, CONSTANCY, ILINK, LUXXAN, ARIVO, RHINO, T TYRE, CRYSTAL, ROCKBLADE, FRONWAY, SAILWIN, XBRI, ROADMARCH									
4.1.2.2	Trade description(s) / commercial name(s)	:	LY566, L-ZEAL 56, INSPIRER S4, EMOTION, ULTRA ARZ5, TEN, Drift, SPORTWAY 56, ULTRA ARZ4, ENRI U08, THUNDER U09, LY169, EURUS 08, VENUSATR 08, SPORT+2, INSPIRER S8, FOUR, ROCK 525, PRIME UHP 08, SPEEDWAY 56, SPORT+, ROCK 566, DIAS ZERO, SPEEDKING 07, ULTRA SPORTLINE C7, EURUS 07, VENUSATR 07, ULTRA SPORT ARV7, SPORTLINE, INSPIRER S6, ROCK 535, PRIME UHP 07, Winter GL868, Winter IL868, LY868, ICEPOWER 868, ICEWINNER 868, WINMASTER ARW2, ROCK 868S, SNOWROVER 868, GREENWING A/S, MULTIMATCH A/S, FRONWING A/S, FREIMATCH A/S, Carlorful A/S, PRIME A/S, COLO H01, L-GRIP66, LY168, ECOGREEN 66, VENUSATR 66, PREMIO ARZ1, ECOLOGY, INSPIRER C4, THREE, ROCK 515, PRIMESTAR 66, GTR racing, Envoy, Energize, THIRTY TWO, FORTY ONE, ROCK A/S ONE, Winter GL888, Winter IL888, LY888, ICEPOWER 888, ICEWINNER 888, WINTERCROSS ARW8, ROCK 888S, INSPIRER W20, INSPIRER A/S 1									
4.1.3	Category of use	:	Snow									
4.1.4	Structure	:	Radial									
4.1.5	Speed category symbol	:	W									
4.1.6	Load capacity index	:	98									
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	:	Values per construction variant									
			<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 5%;">#</th> <th style="width: 65%;">Overall section width (mm)</th> <th style="width: 30%;">Outer diameter (mm)</th> </tr> <tr> <td>1</td> <td>234.1</td> <td>659.2</td> </tr> <tr> <td>2</td> <td>231.2</td> <td>658.3</td> </tr> </table>	#	Overall section width (mm)	Outer diameter (mm)	1	234.1	659.2	2	231.2	658.3
#	Overall section width (mm)	Outer diameter (mm)										
1	234.1	659.2										
2	231.2	658.3										
4.1.11	Rims on which the tyre can be mounted	:	7.00 inch									
4.1.12	Measuring rim	:	Values per construction variant									
			<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 5%;">#</th> <th style="width: 65%;">Measuring rim (inch)</th> <th style="width: 30%;">Test rim (inch)</th> </tr> <tr> <td>1</td> <td>7.00</td> <td>7.00</td> </tr> <tr> <td>2</td> <td>7.00</td> <td>7.00</td> </tr> </table>	#	Measuring rim (inch)	Test rim (inch)	1	7.00	7.00	2	7.00	7.00
#	Measuring rim (inch)	Test rim (inch)										
1	7.00	7.00										
2	7.00	7.00										
4.1.13	Test inflation pressure if different from those given under Annex 7 paragraph 1.2	:	Values per construction variant									
			<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 5%;">#</th> <th style="width: 95%;">Test inflation pressure (bar)</th> </tr> <tr> <td>1</td> <td>N.A.</td> </tr> <tr> <td>2</td> <td>N.A.</td> </tr> </table>	#	Test inflation pressure (bar)	1	N.A.	2	N.A.			
#	Test inflation pressure (bar)											
1	N.A.											
2	N.A.											
4.1.14	Factor 'x'	:	0.70									
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.	:	Values per construction variant									
			<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 5%;">#</th> <th style="width: 95%;">Worst case</th> </tr> <tr> <td>1</td> <td>N</td> </tr> <tr> <td>2</td> <td>N</td> </tr> </table>	#	Worst case	1	N	2	N			
#	Worst case											
1	N											
2	N											



test. The worst case tyre selection criteria can be obtained

#	Worst case
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Reason(s) of extension : Update of tyre type designation(s);  
Upgrade of regulation supplement number;  
Update of construction variant(s);  
Upgrade of the type approval number;  
Addition of trade marks and trade descriptions.

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 Rheinland / CCIC (Qingdao) Co., Ltd.  
Name of person responsible for the submitted application data : Rui Su  
Function of above mentioned authorised person : Manager  
E-mail address of above mentioned authorised person : Rui.Su@tuv.com  
Place of submission : Qingdao  
Submitted for approval on (date) : 09/08/2019 14:55:25  
Reference id of the application given by the applicant : 2435820001

