

**DANANG RUBBER JOINT STOCK COMPANY**

TEL : 84-511-3847408 FAX : 84-511-3836195

E-mail : drc@dng.vnn.vn

APPLICATION FORM FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE FOR COMMERCIAL VEHICLES ACCORDING TO ECE REGULATION No: 54.00 SERIES OF AMENDMENTS

Approval No: E4-54R-0028280 Extension No.: 00

1. Manufacturer's name or trade mark on the type : DRC

2. Tyre type designation by the manufacturer : DRC D611

3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam

4. If applicable name and address of Manufacturer's representative : NOT APPLICABLE

5. Size designation of tyre : 11R22.5

6. Category of use : NORMAL

7. Structure : RADIAL

8. Speed : L

9. Load-capacity index : Single 146 Twinned 143

10. Overall dimensions : Annex 5

10.1 Overall width : 279mm

on measuring rim : 8.25x22.5

10.2 Outer diameter : 1050 mm

10.3 Measuring / test pressure : 120 PSI (830 kPa)

11. Factor X : NOT APPLICABLE

12. Ply rating number for automobile derivative tyres : 16

13. Rims on which the tyre can be mounted : 8.25x22.5

14. Measuring rim and test rim : SEE ATTACHED TEST REPORT

15. State whether tyre is : TUBELESS

16. Submitted for approval on (date) : OCTOBER 30, 2013

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

MANUFACTURER'S STAMP



Signature:

Name:

Nguyễn Mạnh Sơn

THIS APPLICATION IS ACCOMPANIED BY:

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



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



COMMUNICATION

Concerning ⁽¹⁾:

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- ~~- approval withdrawn~~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

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

Approval number: E4-54R-0028280

Extension number: 00

Approval mark :



0028280

1. Manufacturer's name or trade mark(s) : DRC
on the tyre type
2. Tyre type designation by the manufacturer : DRC D611
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. If applicable, name and address of the manufacturer's representative : not applicable
5. Summarized description:
 - 5.1. Size of tyre : 11R22.5
 - 5.2. Category of use : normal/special/snow⁽¹⁾
 - 5.3. Structure : ~~diagonal(bias-ply)~~/radial⁽¹⁾

- 5.4. Speed category symbol:
- 5.4.1. nominal : L
- 5.4.2. additional (if applicable) : ---
- 5.5. Load-capacity indices:
- 5.5.1. Corresponding to nominal speed:
- single : 146
 - twinned (dual) : 143
- 5.5.2. Corresponding to additional speed:
- single : ---
 - twinned (dual) : ---
6. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
7. Date of report issued by that service : November 14, 2013
8. Number of report issued by that service : 01-R54-018/13
9. Reason(s) for extension (if applicable) : not applicable
10. Any remarks : not applicable
11. Place : Zoetermeer
12. Date :
13. Signature :
14. 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 8.

⁽¹⁾ Strike out what does not apply.

PARTIAL MODEL INFORMATION DOCUMENT NO. 11R22.5 - 00

**UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR
COMMERCIAL VEHICLES AND THEIR TRAILERS**

ECE-R54

including all amendments until

(Amendment 00, Supplement 18)

Type:

DRC D611

This model information document consists of pages 1 to 3

1. Trade name or trade mark on the tyre : DRC
2. Tyre type designation by the manufacturer : DRC D611
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. Name and address of manufacturer's representative : not applicable
5. Summarized description
 - 5.1 Size designation : 11R22.5
 - 5.2 Category of use : normal/~~snow~~/temporary use
 - 5.3 Structure : ~~diagonal/bias-belted~~/radial
 - 5.4 Speed category symbol
 - 5.4.1 nominal : L
 - 5.4.2 additional(if applicable) : ---
 - 5.5 Load capacity index
 - 5.5.1 corresponding to nominal speed : single : 146 , twined(dual) : 143
 - 5.5.2 corresponding to additional speed : single : ---, twined(dual) : ---
6. Overall dimensions : Annex 5/~~ETRTO/calculated~~/TRA
 - overall section width : 279 mm
 - outer diameter : 1050 mm
7. Factor "X" : not applicable
8. Ply-rating number for diagonal (bias ply) tyres : 16
9. Rims on which the tyre can be mounted : 8.25x22.5
10. Measuring rim and test rim : see attached test report
11. State whether the tyre is : tubeless/~~tube type~~
12. Inflation pressure and index for measuring and testing : see attached test report
13. Submitted for approval on (date) : October 30, 2013

List of attachment:

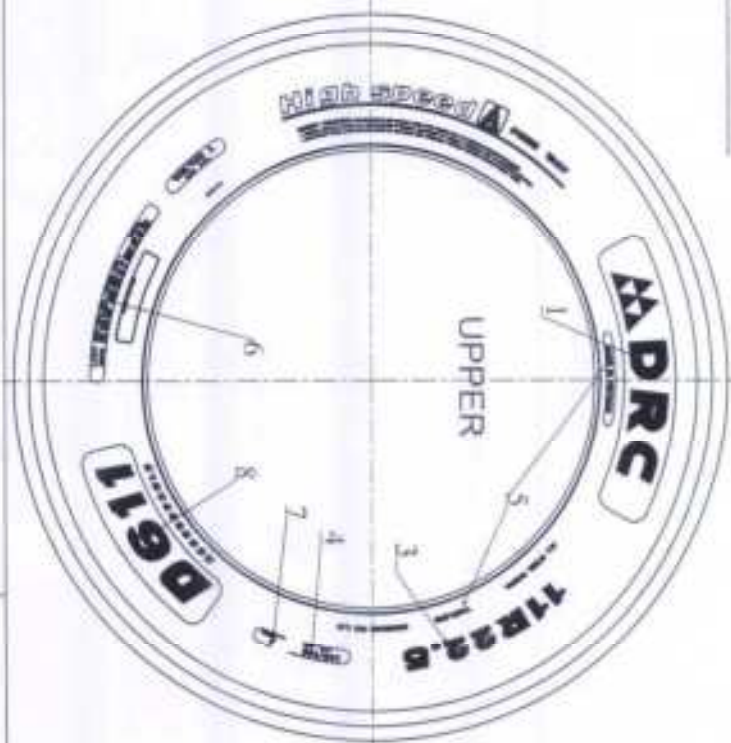
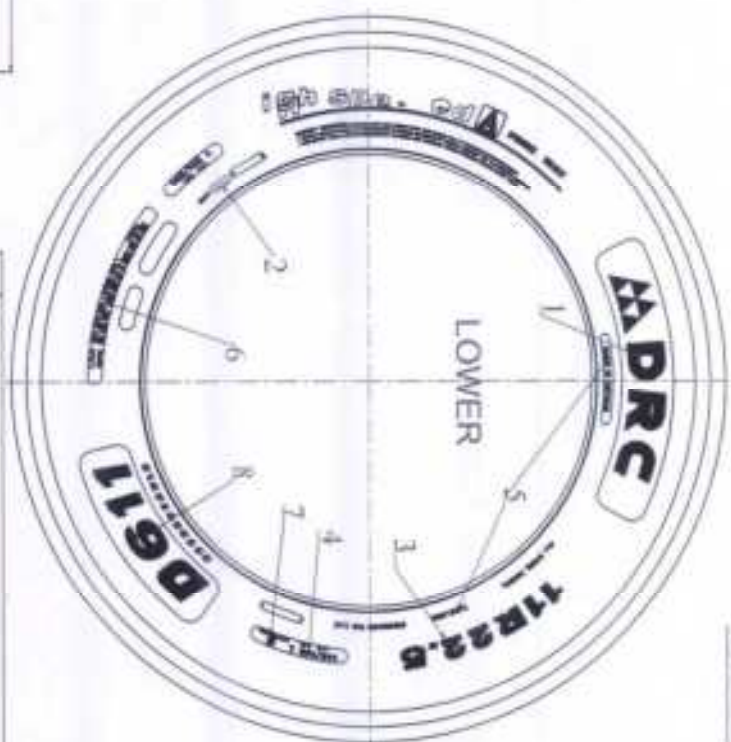
Detail for type DRC D611

Drawing No.01

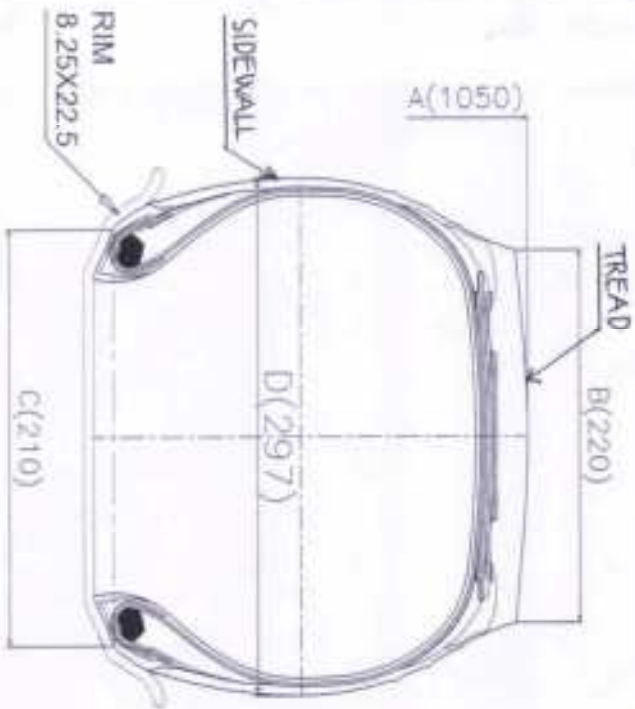
TREAD PATTERN



SIDE LETTERING



CROSS SECTION



D611
REGROOVABLE

8 ECE approval mark & approval number



5 MADE IN VIETNAM TUBELESS



4 11R22.5

3 XXXX (DATE CODE) WORKER CODE

2 11R22.5

1 DRC

11R22.5	146/143	TL	1050	220	210	297	14
TIRE SIZE	LOAD INDEX	TYPE	A (mm)	B (mm)	C (mm)	D (mm)	TREAD DEPTH

DATE 2013/10/30 DRAWN *[Signature]* CHECKED *[Signature]* APPROVED *[Signature]* DANANG RUBBER JOINT STOCK COMPANY



Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 11R22.5

TEST REPORT

According to ECE-Regulation

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES AND THEIR TRAILERS

ECE-R54

including all amendments until

Amendment 00, Supplement 18

Previously granted	
ECE - system type approval	: E4-54R-0028280 ext.00

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 11R22.5

1. Markings

- 1.1. Trade mark : DRC
- 1.2. Tread pattern : DRC D611
- 1.3. Plies
- Tread : STEEL 4 PLIES
- Side wall : STEEL 1 PLY
- 1.4. Size designation : 11R22.5
- 1.5. Category of use : normal
- 1.6. Structure : radial
- 1.7. Speed category : nominal : L , supplementary: ---
- 1.8. Load-Capacity Indices : single : 146 , twinned : 143
 corresponding to nominal speed
 corresponding to supplementary speed : single : ---, twinned : ---
- 1.9. Index of inflation pressure for testing : 830 kPa
- 1.10. Ply-rating number : 16
- 1.11. Indication : tubeless
- 1.12. Regroovable : yes
- 1.13. Date of manufacture : 3713

2. Measurement according to Annex 6

- 2.1. Measuring rim : 8.25 x 22.5
- 2.2. Inflation pressure : 830 kPa
- 2.3. Inflation pressure (readjusted before conditioning) : 830 kPa
- 2.4. Duration of conditioning of mounted tyre pre-measuring : more than 24 hours
 at ambient room temperature
- 2.5. Inflation pressure (readjusted after conditioning) : 830 kPa
- 2.6. Overall width at six equally spaced points
- | | |
|-------------|-------------|
| 1. 277.0 mm | 4. 277.0 mm |
| 2. 277.0 mm | 5. 276.0 mm |
| 3. 275.0 mm | 6. 274.0 mm |
- Max.: 277.0 mm

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 11R22.5

2.7. Circumference : 3296 mm
 2.8. Outer diameter : 1049.1 mm

3. Load/speed performance test according to ANNEX 7

3.1. Test machine : Gao Xiao Control Technology Co. Ltd.
 Qingdao
 Model: GX-YLN-1212
 3.2. Diameter test drum : 1.7 m
 3.3. Test rim : 8.25 x 22.5
 3.4. Conditioning of mounted tyre pre-testing at test-room temperature : more than 3 hours
 3.5. Test-room temperature : 30.0 °C
 3.6. Inflation pressure (readjusted before conditioning) : 830 kPa
 3.7. Inflation pressure (readjusted after conditioning) : 830 kPa
 3.8. Circumference after conditioning, before testing : 3296 mm
 3.9. Outer diameter : 1049.1 mm
 3.10. Inflation pressure : 830 kPa
 3.11. Corresponding load (100 %) : 3000 kg

Step	Step-Duration	Total Duration	Actual speed	Load (single)	
	[h]	[h]	(min ⁻¹)	(%)	(kg)
1.	7	7	200	66	1980
2.	16	23	200	84	2520
3.	24	47	200	101	3030
3.12.	Conditioning after testing at test-room temperature		:	more than 6 hours	
3.13.	Inflation pressure		:	830 kPa	
3.14.	Circumference after conditioning, after testing		:	3310 mm	
3.15.	Outer diameter		:	1053.6 mm	
3.16.	Difference outer diameter before and after testing (max. 3.5 %)		:	4.5 mm 0.4 %	

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 11R22.5

4. General information

- 4.1. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
- 4.2. Technical service responsible for carrying out the tests : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
- 4.3. Test object received : not applicable
- 4.4. Test location : Test Center of DANANG RUBBER JOINT STOCK COMPANY
Lot G, Ta Quang Buu Street, Lien Chieu Industrial Zone, Lien Chieu District, Da Nang City, Vietnam
- 4.5. Test date : October 01, 2013
- 4.6. Remarks concerning tested object(s) : The results of the test refer exclusively to the object(s) mentioned under item 1.4. of this report.

~~The actual test of the tyre is not necessarily required due to the modifications mentioned in Appendix 0 and the previous test results are still valid.~~

5. Appendices

- 0 List of modifications

Information document : 11R22.5 - 00

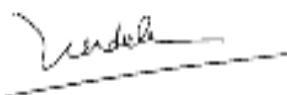
6. Statement of conformity

The information folder and the type described there comply with the requirements in the above mentioned regulation.

The test laboratory is designated for the above mentioned tests by the accreditation body of the RDW, Vehicle Technology and Information Centre, as the competent Administrative Department for the Netherlands; Designation No: RDW-99050014-06.

The test report comprises the pages 1 to 5 (including appendix 0) shall not be reproduced except in full without the written approval of the test laboratory.

Cologne, November 14, 2013
DT/NAV



Mr. D. Truong



Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **11R22.5**

List of modifications

Appendix 0

Correction of : Not applicable

Modification of : Not applicable

Addition of : Not applicable

Deletion of : Not applicable



DANANG RUBBER JOINT STOCK COMPANY

TEL : 84-511-3847408 FAX : 84-511-3836195

E-mail : drc@dng.vnn.vn

APPLICATION FORM FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE FOR COMMERCIAL VEHICLES ACCORDING TO ECE REGULATION No: 54.00 SERIES OF AMENDMENTS

Approval No: E4-54R-0028281

Extension No.: 00

1. Manufacturer's name or trade mark on the type

: DRC

2. Tyre type designation by the manufacturer

: DRC D611

3. Manufacturer's name and address

: DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City,
Vietnam

4. If applicable name and address of
Manufacturer's representative

: NOT APPLICABLE

5. Size designation of tyre

: 12R22.5

6. Category of use

: NORMAL

7. Structure

: RADIAL

8. Speed

: L

9. Load-capacity index

: Single 152 Twinned 149

10. Overall dimensions

: Annex 5

10.1 Overall width
on measuring rim

: 300mm
: 9.00x22.5

10.2 Outer diameter

: 1084 mm

10.3 Measuring / test pressure

: 135 PSI (930 kPa)

11. Factor X

: NOT APPLICABLE

12. Ply rating number for automobile derivative tyres

: 18

13. Rims on which the tyre can be mounted

: 9.00x22.5

14. Measuring rim and test rim

: SEE ATTACHED TEST REPORT

15. State whether tyre is

: TUBELESS

16. Submitted for approval on (date)

: OCTOBER 30, 2013

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

MANUFACTURER'S STAMP



Signature

Name:

Nguyễn Mạnh Sơn

THIS APPLICATION IS ACCOMPANIED BY:

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



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



COMMUNICATION

Concerning ⁽¹⁾:

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

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

Approval number: E4-54R-0028281

Extension number: 00

Approval mark :



0028281

1. Manufacturer's name or trade mark(s) : DRC
on the tyre type
2. Tyre type designation by the manufacturer : DRC D611
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. If applicable, name and address of the manufacturer's representative : not applicable
5. Summarized description:
 - 5.1. Size of tyre : 12R22.5
 - 5.2. Category of use : normal/special/snow⁽¹⁾
 - 5.3. Structure : ~~diagonal(bias-ply)~~/radial⁽¹⁾

- 5.4. Speed category symbol:
- 5.4.1. nominal : L
- 5.4.2. additional (if applicable) : ---
- 5.5. Load-capacity indices:
- 5.5.1. Corresponding to nominal speed:
- single : 152
 - twinned (dual) : 149
- 5.5.2. Corresponding to additional speed:
- single : ---
 - twinned (dual) : ---
6. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
7. Date of report issued by that service : November 14, 2013
8. Number of report issued by that service : 01-R54-019/13
9. Reason(s) for extension (if applicable) : not applicable
10. Any remarks : not applicable
11. Place : Zoetermeer
12. Date :
13. Signature :
14. 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 8.

⁽¹⁾ Strike out what does not apply.

PARTIAL MODEL INFORMATION DOCUMENT NO. 12R22.5 - 00

**UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR
COMMERCIAL VEHICLES AND THEIR TRAILERS**

ECE-R54

including all amendments until

(Amendment 00, Supplement 18)

Type:

DRC D611

This model information document consists of pages 1 to 3

- | | | | |
|-------|---|---|--|
| 1. | Trade name or trade mark on the tyre | : | DRC |
| 2. | Tyre type designation by the manufacturer | : | DRC D611 |
| 3. | Manufacturer's name and address | : | DANANG RUBBER JOINT STOCK
COMPANY
01 Le Van Hien Street, Ngu Hanh Son
District, Da Nang City, Vietnam |
| 4. | Name and address of manufacturer's
representative | : | not applicable |
| 5. | Summarized description | | |
| 5.1 | Size designation | : | 12R22.5 |
| 5.2 | Category of use | : | normal/ snow /temporary use |
| 5.3 | Structure | : | diagonal/bias -belted/radial |
| 5.4 | Speed category symbol | | |
| 5.4.1 | nominal | : | L |
| 5.4.2 | additional(if applicable) | : | --- |
| 5.5 | Load capacity index | | |
| 5.5.1 | corresponding to nominal speed | : | single : 152 , twined(dual) : 149 |
| 5.5.2 | corresponding to additional speed | : | single : ---, twined(dual) : --- |
| 6. | Overall dimensions | : | Annex 5/ ETRTO/calculated /TRA |
| | - overall section width | : | 300 mm |
| | - outer diameter | : | 1084 mm |
| 7. | Factor "X" | : | not applicable |
| 8. | Ply-rating number for diagonal (bias ply) tyres | : | 18 |
| 9. | Rims on which the tyre can be mounted | : | 9.00x22.5 |
| 10. | Measuring rim and test rim | : | see attached test report |
| 11. | State whether the tyre is | : | tubeless/ tube type |
| 12. | Inflation pressure and index for
measuring and testing | : | see attached test report |
| 13. | Submitted for approval on (date) | : | October 30, 2013 |

List of attachment:

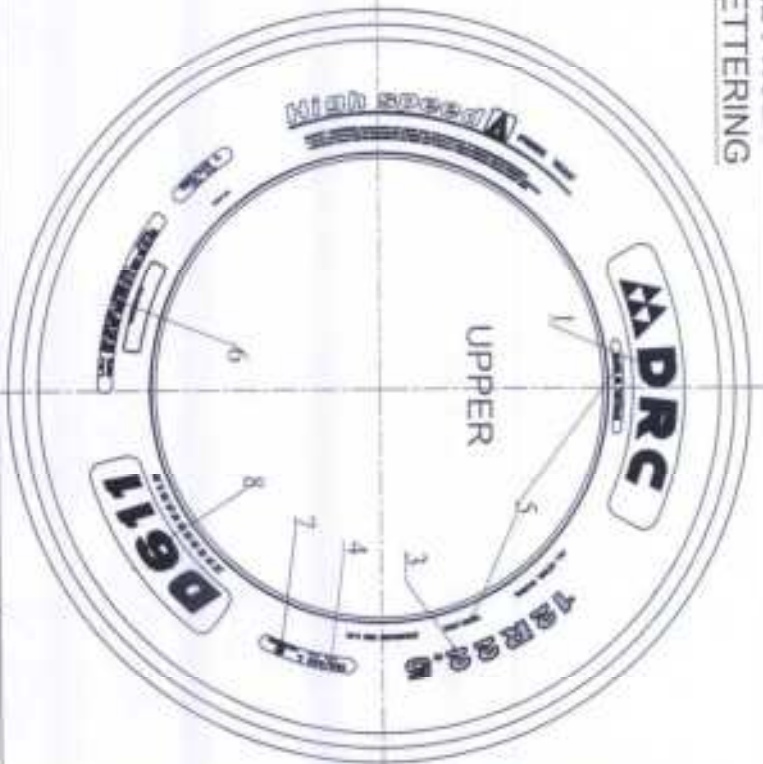
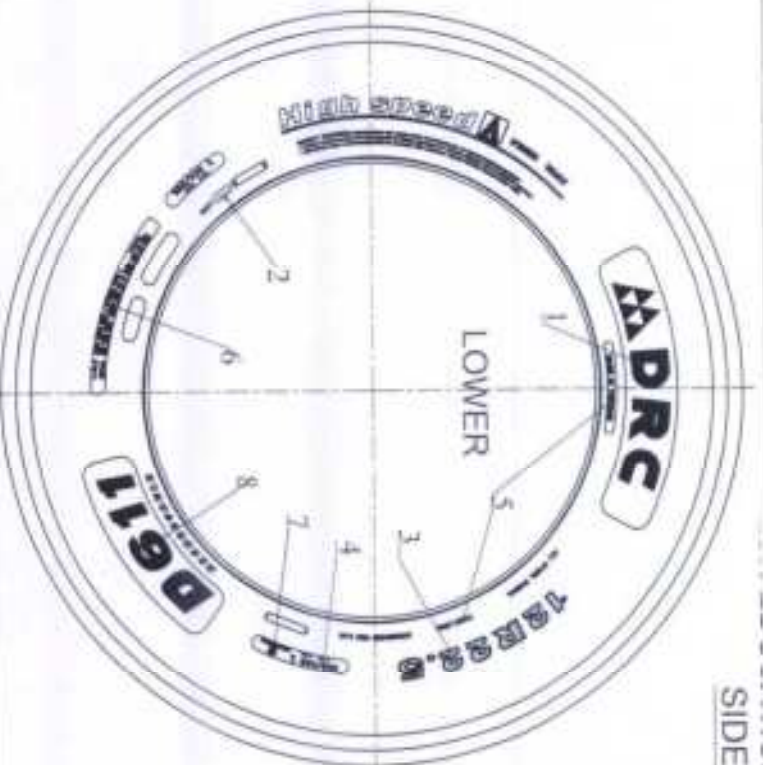
Detail for type DRC D611

Drawing No.01

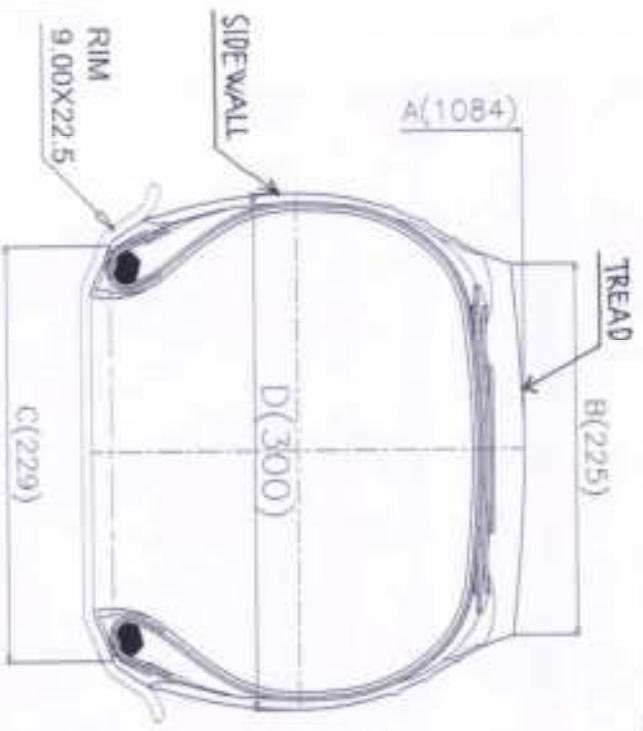
TREAD PATTERN



SIDE LETTERING



CROSS SECTION



D611
REGROOVABLE

7 ECE approval mark & approval number

6 *PLATE: TREAD STEEL & SIDEWALL STEEL: 1
MAX. LOAD SINGLE STRESS (TREAD ONLY) AT 80°C: (150 AND 150) (150 AND 150)
MAX. LOAD DUAL STRESS (TREAD ONLY) AT 80°C: (150 AND 150) (150 AND 150)
TREAD*

5 MADE IN VIETNAM TUBELESS

4 152/149 L 54R-0028281

3 12R22.5

2 XXXX (DATE CODE) WORKER CODE

1 DRC

12R22.5	152/149	TL	1084	225	229	300	14
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TIRE SIZE	LOAD INDEX SYMBOL	SPEED TYPE	A (mm)	B (mm)	C (mm)	D (mm)	TREAD DEPTH (mm)
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DATE 2013/10/30 DRAWN CHECKED APPROVED DANANG RUBBER JOINT STOCK COMPANY



Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 12R22.5

TEST REPORT

According to ECE-Regulation

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES AND THEIR TRAILERS

ECE-R54

including all amendments until

Amendment 00, Supplement 18

Previously granted	
ECE - system type approval	: E4-54R-0028281 ext.00

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 12R22.5

1. Markings

- 1.1. Trade mark : DRC
- 1.2. Tread pattern : DRC D611
- 1.3. Plies
- Tread : STEEL 4 PLIES
- Side wall : STEEL 1 PLY
- 1.4. Size designation : 12R22.5
- 1.5. Category of use : normal
- 1.6. Structure : radial
- 1.7. Speed category : nominal : L , supplementary: ---
- 1.8. Load-Capacity Indices : single : 152 , twinned : 149
 corresponding to nominal speed
 corresponding to supplementary speed : single : ---, twinned : ---
- 1.9. Index of inflation pressure for testing : 930 kPa
- 1.10. Ply-rating number : 18
- 1.11. Indication : tubeless
- 1.12. Regroovable : yes
- 1.13. Date of manufacture : 3813

2. Measurement according to Annex 6

- 2.1. Measuring rim : 9.00 x 22.5
- 2.2. Inflation pressure : 930 kPa
- 2.3. Inflation pressure (readjusted before conditioning) : 930 kPa
- 2.4. Duration of conditioning of mounted tyre pre-measuring at ambient room temperature : more than 24 hours
- 2.5. Inflation pressure (readjusted after conditioning) : 930 kPa
- 2.6. Overall width at six equally spaced points
- | | |
|-------------|-------------|
| 1. 308.0 mm | 4. 310.0 mm |
| 2. 309.0 mm | 5. 309.0 mm |
| 3. 309.0 mm | 6. 310.0 mm |
- Max.: 310.0 mm

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 12R22.5

2.7. Circumference : 3416 mm
 2.8. Outer diameter : 1087.3 mm

3. Load/speed performance test according to ANNEX 7

3.1. Test machine : Gao Xiao Control Technology Co. Ltd.
 Qingdao
 Model: GX-YLN-1212
 3.2. Diameter test drum : 1.7 m
 3.3. Test rim : 9.00 x 22.5
 3.4. Conditioning of mounted tyre pre-testing at test-room temperature : more than 3 hours
 3.5. Test-room temperature : 30.0 °C
 3.6. Inflation pressure (readjusted before conditioning) : 930 kPa
 3.7. Inflation pressure (readjusted after conditioning) : 930 kPa
 3.8. Circumference after conditioning, before testing : 3416 mm
 3.9. Outer diameter : 1087.3 mm
 3.10. Inflation pressure : 930 kPa
 3.11. Corresponding load (100 %) : 3550 kg

Step	Step-Duration	Total Duration	Actual speed	Load (single)	
	[h]	[h]	(min ⁻¹)	(%)	(kg)
1.	7	7	200	66	2343
2.	16	23	200	84	2982
3.	24	47	200	101	3586
3.12.	Conditioning after testing at test-room temperature		:	more than 6 hours	
3.13.	Inflation pressure		:	930 kPa	
3.14.	Circumference after conditioning, after testing		:	3434 mm	
3.15.	Outer diameter		:	1093.1 mm	
3.16.	Difference outer diameter before and after testing (max. 3.5 %)		:	5.8 mm 0.5 %	

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
 Type Size designation : 12R22.5

4. General information

- 4.1. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
 01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
- 4.2. Technical service responsible for carrying out the tests : TÜV Rheinland Kraftfahrt GmbH
 Technologiezentrum Verkehrssicherheit
 Am Grauen Stein
 D-51105 Köln (Poll)
- 4.3. Test object received : not applicable
- 4.4. Test location : Test Center of DANANG RUBBER JOINT STOCK COMPANY
 Lot G, Ta Quang Buu Street, Lien Chieu Industrial Zone, Lien Chieu District, Da Nang City, Vietnam
- 4.5. Test date : October 10, 2013
- 4.6. Remarks concerning tested object(s) : The results of the test refer exclusively to the object(s) mentioned under item 1.4. of this report.

~~The actual test of the tyre is not necessarily required due to the modifications mentioned in Appendix 0 and the previous test results are still valid.~~

5. Appendices

- 0 List of modifications

Information document : 12R22.5 - 00

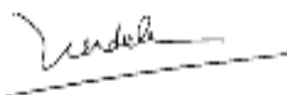
6. Statement of conformity

The information folder and the type described there comply with the requirements in the above mentioned regulation.

The test laboratory is designated for the above mentioned tests by the accreditation body of the RDW, Vehicle Technology and Information Centre, as the competent Administrative Department for the Netherlands; Designation No: RDW-99050014-06.

The test report comprises the pages 1 to 5 (including appendix 0) shall not be reproduced except in full without the written approval of the test laboratory.

Cologne, November 14, 2013
 DT/NAV



Mr. D. Truong



Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **12R22.5**

List of modifications

Appendix 0

Correction of : Not applicable

Modification of : Not applicable

Addition of : Not applicable

Deletion of : Not applicable



DANANG RUBBER JOINT STOCK COMPANY

TEL : 84-511-3847408 FAX : 84-511-3836195

E-mail : drc@dng.vnn.vn

APPLICATION FORM FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE FOR COMMERCIAL VEHICLES ACCORDING TO ECE REGULATION No: 54.00 SERIES OF AMENDMENTS

Approval No: E4-54R-0028282 Extension No.: 00

1.Manufacturer's name or trade mark on the type : DRC

2.Tyre type designation by the manufacturer : DRC D621

3.Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam

4.If applicable name and address of Manufacturer's representative : NOT APPLICABLE

5.Size designation of tyre : 275/80R22.5

6.Category of use : NORMAL

7.Structure : RADIAL

8.Speed : L

9.Load-capacity index : Single 147 Twinned 144

10.Overall dimensions : ETRTO

10.1 Overall width : 276mm

on measuring rim : 8,25x22.5

10.2 Outer diameter : 1012 mm

10.3 Measuring / test pressure : 120 PSI (830 kPa)

11.Factor X : NOT APPLICABLE

12.Ply rating number for automobile derivative tyres : 16

13.Rims on which the tyre can be mounted : 8,25x22.5

14.Measuring rim and test rim : SEE ATTACHED TEST REPORT

15.State whether tyre is : TUBELESS

16.Submitted for approval on (date) : OCTOBER 30, 2013

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

MANUFACTURER'S STAMP



Signature

Name:

Nguyễn Mạnh Sơn

THIS APPLICATION IS ACCOMPANIED BY:

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



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



COMMUNICATION

Concerning ⁽¹⁾:

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

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

Approval number: E4-54R-0028282

Extension number: 00

Approval mark :



0028282

1. Manufacturer's name or trade mark(s) : DRC
on the tyre type
2. Tyre type designation by the manufacturer : DRC D621
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. If applicable, name and address of the manufacturer's representative : not applicable
5. Summarized description:
 - 5.1. Size of tyre : 275/80R22.5
 - 5.2. Category of use : normal/special/snow⁽¹⁾
 - 5.3. Structure : ~~diagonal(bias-ply)~~/radial⁽¹⁾

- 5.4. Speed category symbol:
- 5.4.1. nominal : L
- 5.4.2. additional (if applicable) : ---
- 5.5. Load-capacity indices:
- 5.5.1. Corresponding to nominal speed:
- single : 147
 - twinned (dual) : 144
- 5.5.2. Corresponding to additional speed:
- single : ---
 - twinned (dual) : ---
6. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
7. Date of report issued by that service : November 14, 2013
8. Number of report issued by that service : 01-R54-020/13
9. Reason(s) for extension (if applicable) : not applicable
10. Any remarks : not applicable
11. Place : Zoetermeer
12. Date :
13. Signature :
14. 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 8.

⁽¹⁾ Strike out what does not apply.

PARTIAL MODEL INFORMATION DOCUMENT NO. 275/80R22.5 - 00

**UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR
COMMERCIAL VEHICLES AND THEIR TRAILERS**

ECE-R54

including all amendments until

(Amendment 00, Supplement 18)

Type:

DRC D621

This model information document consists of pages 1 to 3

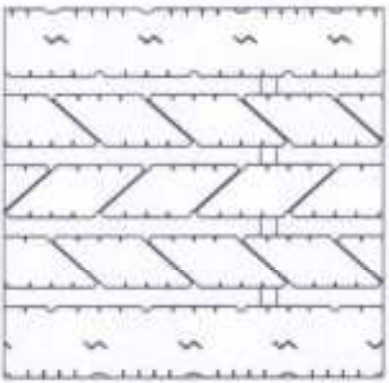
1. Trade name or trade mark on the tyre : DRC
2. Tyre type designation by the manufacturer : DRC D621
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. Name and address of manufacturer's representative : not applicable
5. Summarized description
 - 5.1 Size designation : 275/80R22.5
 - 5.2 Category of use : normal/~~snow~~/temporary use
 - 5.3 Structure : ~~diagonal/bias~~-belted/radial
 - 5.4 Speed category symbol
 - 5.4.1 nominal : L
 - 5.4.2 additional(if applicable) : ---
 - 5.5 Load capacity index
 - 5.5.1 corresponding to nominal speed : single : 147 , twined(dual) : 144
 - 5.5.2 corresponding to additional speed : single : ---, twined(dual) : ---
6. Overall dimensions : ~~Annex 5/ETRTO/calculated/TRA~~
 - overall section width : 276 mm
 - outer diameter : 1012 mm
7. Factor "X" : not applicable
8. Ply-rating number for diagonal (bias ply) tyres : 16
9. Rims on which the tyre can be mounted : 8.25x22.5
10. Measuring rim and test rim : see attached test report
11. State whether the tyre is : tubeless/~~tube type~~
12. Inflation pressure and index for measuring and testing : see attached test report
13. Submitted for approval on (date) : October 30, 2013

List of attachment:

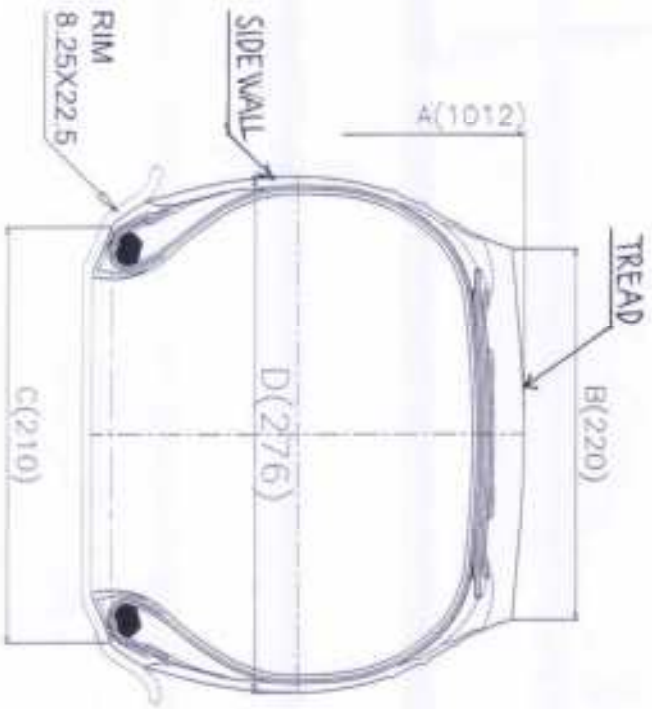
Detail for type DRC D621

Drawing No.01

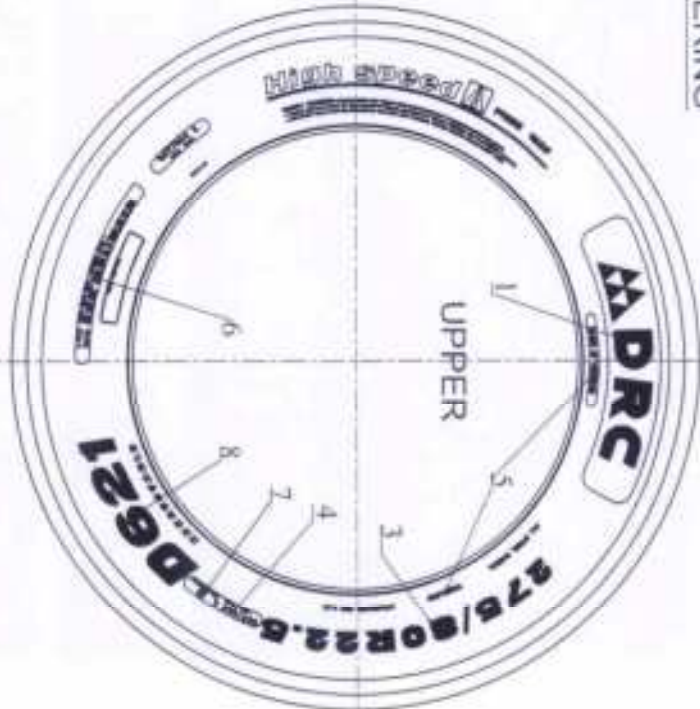
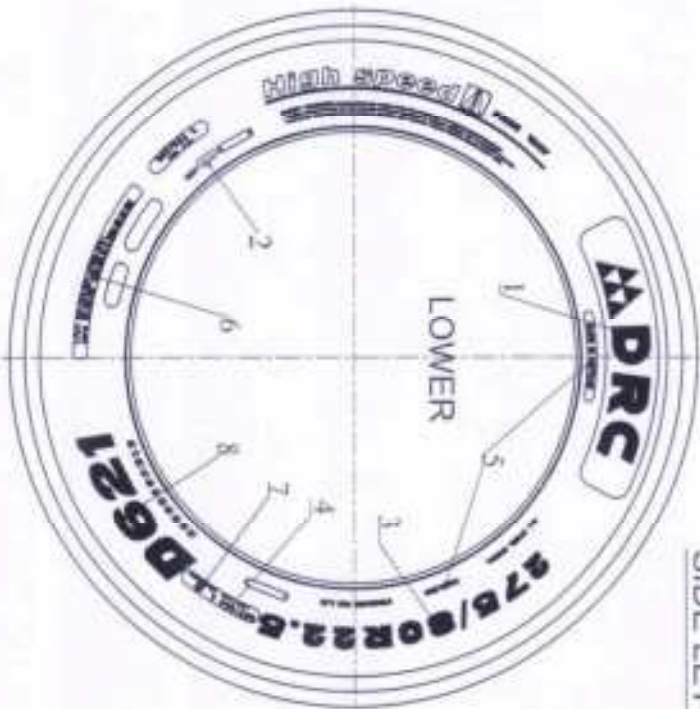
TREAD PATTERN



CROSS SECTION



SIDE LETTERING



8 D621
REGROOVABLE

7 ECE approval mark & approval number

6
PLATE: PNEU TREAD STEEL 4 SIDEWALL STEEL 1
 MAX. LOAD SINGLE SERVING (per tire) AT 80km/h (50 mph) 150 kg (330 lbs) COLD
 MAX. LOAD DUAL SERVING (per tire) AT 80km/h (50 mph) 300 kg (660 lbs) COLD
 147/144

5 MADE IN VIETNAM TUBELESS

4
147/144

3 275/80R22.5

2 XXXX (DATE CODE) WORKER CODE

1 DRC

275/80R22.5	147/144	TL	1012	220	210	276	14
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE A (mm)	B (mm)	C (mm)	D (mm)	TREAD DEPTH

DATE 2013/10/30 DRAWN CHECKED APPROVED DANANG RUBBER JOINT STOCK COMPANY





Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **275/80R22.5**

TEST REPORT

According to ECE-Regulation

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES AND THEIR TRAILERS

ECE-R54

including all amendments until

Amendment 00, Supplement 18

Previously granted	
ECE - system type approval	: E4-54R-0028282 ext.00

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 275/80R22.5

1. Markings

1.1.	Trade mark	:	DRC
1.2.	Tread pattern	:	DRC D621
1.3.	Plies		
	Tread	:	STEEL 4 PLIES
	Side wall	:	STEEL 1 PLY
1.4.	Size designation	:	275/80R22.5
1.5.	Category of use	:	normal
1.6.	Structure	:	radial
1.7.	Speed category	:	nominal : L , supplementary: ---
1.8.	Load-Capacity Indices corresponding to nominal speed corresponding to supplementary speed	:	single : 147 , twinned : 144 single : ---, twinned : ---
1.9.	Index of inflation pressure for testing	:	830 kPa
1.10.	Ply-rating number	:	16
1.11.	Indication	:	tubeless
1.12.	Regroovable	:	yes
1.13.	Date of manufacture	:	2713

2. Measurement according to Annex 6

2.1.	Measuring rim	:	8.25 x 22.5
2.2.	Inflation pressure	:	830 kPa
2.3.	Inflation pressure (readjusted before conditioning)	:	830 kPa
2.4.	Duration of conditioning of mounted tyre pre-measuring at ambient room temperature	:	more than 24 hours
2.5.	Inflation pressure (readjusted after conditioning)	:	830 kPa
2.6.	Overall width at six equally spaced points		
	1.	271.0	mm
	2.	272.0	mm
	3.	271.0	mm
	4.	272.0	mm
	5.	272.0	mm
	6.	271.0	mm
	Max.:	272.0	mm

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 275/80R22.5

2.7. Circumference : 3194 mm
 2.8. Outer diameter : 1016.7 mm

3. Load/speed performance test according to ANNEX 7

3.1. Test machine : Gao Xiao Control Technology Co. Ltd.
 Qingdao
 Model: GX-YLN-1212
 3.2. Diameter test drum : 1.7 m
 3.3. Test rim : 8.25 x 22.5
 3.4. Conditioning of mounted tyre pre-testing at test-room temperature : more than 3 hours
 3.5. Test-room temperature : 30.0 °C
 3.6. Inflation pressure (readjusted before conditioning) : 830 kPa
 3.7. Inflation pressure (readjusted after conditioning) : 830 kPa
 3.8. Circumference after conditioning, before testing : 3195 mm
 3.9. Outer diameter : 1017.0 mm
 3.10. Inflation pressure : 830 kPa
 3.11. Corresponding load (100 %) : 3075 kg

Step	Step-Duration	Total Duration	Actual speed	Load (single)	
	[h]	[h]	(min ⁻¹)	(%)	(kg)
1.	7	7	200	66	2030
2.	16	23	200	84	2583
3.	24	47	200	101	3106

3.12. Conditioning after testing at test-room temperature : more than 6 hours
 3.13. Inflation pressure : 830 kPa
 3.14. Circumference after conditioning, after testing : 3202 mm
 3.15. Outer diameter : 1019.2 mm
 3.16. Difference outer diameter before and after testing : 2.2 mm
 (max. 3.5 %) : 0.2 %

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 275/80R22.5

4. General information

- 4.1. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
- 4.2. Technical service responsible for carrying out the tests : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
- 4.3. Test object received : not applicable
- 4.4. Test location : Test Center of DANANG RUBBER JOINT STOCK COMPANY
Lot G, Ta Quang Buu Street, Lien Chieu Industrial Zone, Lien Chieu District, Da Nang City, Vietnam
- 4.5. Test date : October 10, 2013
- 4.6. Remarks concerning tested object(s) : The results of the test refer exclusively to the object(s) mentioned under item 1.4. of this report.

~~The actual test of the tyre is not necessarily required due to the modifications mentioned in Appendix 0 and the previous test results are still valid.~~

5. Appendices

- 0 List of modifications

Information document :275/80R22.5 - 00

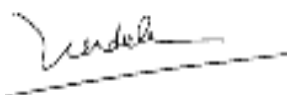
6. Statement of conformity

The information folder and the type described there comply with the requirements in the above mentioned regulation.

The test laboratory is designated for the above mentioned tests by the accreditation body of the RDW, Vehicle Technology and Information Centre, as the competent Administrative Department for the Netherlands; Designation No: RDW-99050014-06.

The test report comprises the pages 1 to 5 (including appendix 0) shall not be reproduced except in full without the written approval of the test laboratory.

Cologne, November 14, 2013
DT/NAV



Mr. D. Truong



Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **275/80R22.5**

List of modifications

Appendix 0

Correction of : Not applicable

Modification of : Not applicable

Addition of : Not applicable

Deletion of : Not applicable

APPLICATION FORM FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE FOR COMMERCIAL VEHICLES ACCORDING TO ECE REGULATION No: 54.00 SERIES OF AMENDMENTS

Approval No: E4-54R-0028283 Extension No.: 00
1.Manufacturer's name or trade mark on the type : DRC
2.Tyre type designation by the manufacturer : DRC D601
3.Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City,
Vietnam
4.If applicable name and address of
Manufacturer's representative : NOT APPLICABLE
5.Size designation of tyre : 295/80R22.5
6.Category of use : NORMAL
7.Structure : RADIAL
8.Speed : L
9.Load-capacity index : Single 150 Twinned 147
10.Overall dimensions : ETRTO
10.1Overall width : 298mm
on measuring rim : 9.00x22.5
10.2Outer diameter : 1044 mm
10.3 Measuring / test pressure : 120 PSI (830 kPa)
11.Factor X : NOT APPLICABLE
12.Ply rating number for automobile derivative tyres : 16
13.Rims on which the tyre can be mounted : 9.00x22.5
14.Measuring rim and test rim : SEE ATTACHED TEST REPORT
15.State whether tyre is : TUBELESS
16.Submitted for approval on (date) : OCTOBER 30, 2013

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

MANUFACTURER'S STAMP



Signature

Name:

Nguyễn Mạnh Sơn

THIS APPLICATION IS ACCOMPANIED BY:

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



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



COMMUNICATION

Concerning ⁽¹⁾:

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

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

Approval number: E4-54R-0028283

Extension number: 00

Approval mark :



0028283

1. Manufacturer's name or trade mark(s) : DRC
on the tyre type
2. Tyre type designation by the manufacturer : DRC D601
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. If applicable, name and address of the manufacturer's representative : not applicable
5. Summarized description:
 - 5.1. Size of tyre : 295/80R22.5
 - 5.2. Category of use : normal/special/snow⁽¹⁾
 - 5.3. Structure : ~~diagonal(bias-ply)~~/radial⁽¹⁾

- 5.4. Speed category symbol:
- 5.4.1. nominal : L
- 5.4.2. additional (if applicable) : ---
- 5.5. Load-capacity indices:
- 5.5.1. Corresponding to nominal speed:
- single : 150
 - twinned (dual) : 147
- 5.5.2. Corresponding to additional speed:
- single : ---
 - twinned (dual) : ---
6. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
7. Date of report issued by that service : November 14, 2013
8. Number of report issued by that service : 01-R54-021/13
9. Reason(s) for extension (if applicable) : not applicable
10. Any remarks : not applicable
11. Place : Zoetermeer
12. Date :
13. Signature :
14. 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 8.

⁽¹⁾ Strike out what does not apply.

PARTIAL MODEL INFORMATION DOCUMENT NO. 295/80R22.5 - 00

**UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR
COMMERCIAL VEHICLES AND THEIR TRAILERS**

ECE-R54

including all amendments until

(Amendment 00, Supplement 18)

Type:

DRC D601

This model information document consists of pages 1 to 3

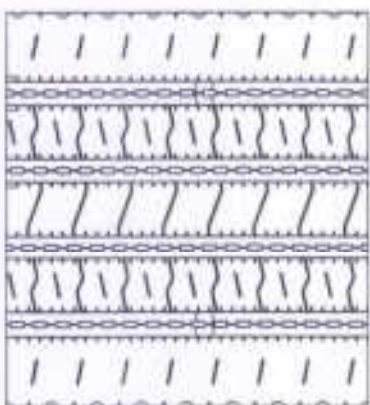
1. Trade name or trade mark on the tyre : DRC
2. Tyre type designation by the manufacturer : DRC D601
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. Name and address of manufacturer's representative : not applicable
5. Summarized description
 - 5.1 Size designation : 295/80R22.5
 - 5.2 Category of use : normal/~~snow~~/temporary use
 - 5.3 Structure : ~~diagonal/bias~~-belted/radial
 - 5.4 Speed category symbol
 - 5.4.1 nominal : L
 - 5.4.2 additional(if applicable) : ---
 - 5.5 Load capacity index
 - 5.5.1 corresponding to nominal speed : single : 150 , twined(dual) : 147
 - 5.5.2 corresponding to additional speed : single : ---, twined(dual) : ---
6. Overall dimensions : ~~Annex 5/ETRTO/calculated/TRA~~
 - overall section width : 298 mm
 - outer diameter : 1044 mm
7. Factor "X" : not applicable
8. Ply-rating number for diagonal (bias ply) tyres : 16
9. Rims on which the tyre can be mounted : 9.00x22.5
10. Measuring rim and test rim : see attached test report
11. State whether the tyre is : tubeless/~~tube type~~
12. Inflation pressure and index for measuring and testing : see attached test report
13. Submitted for approval on (date) : October 30, 2013

List of attachment:

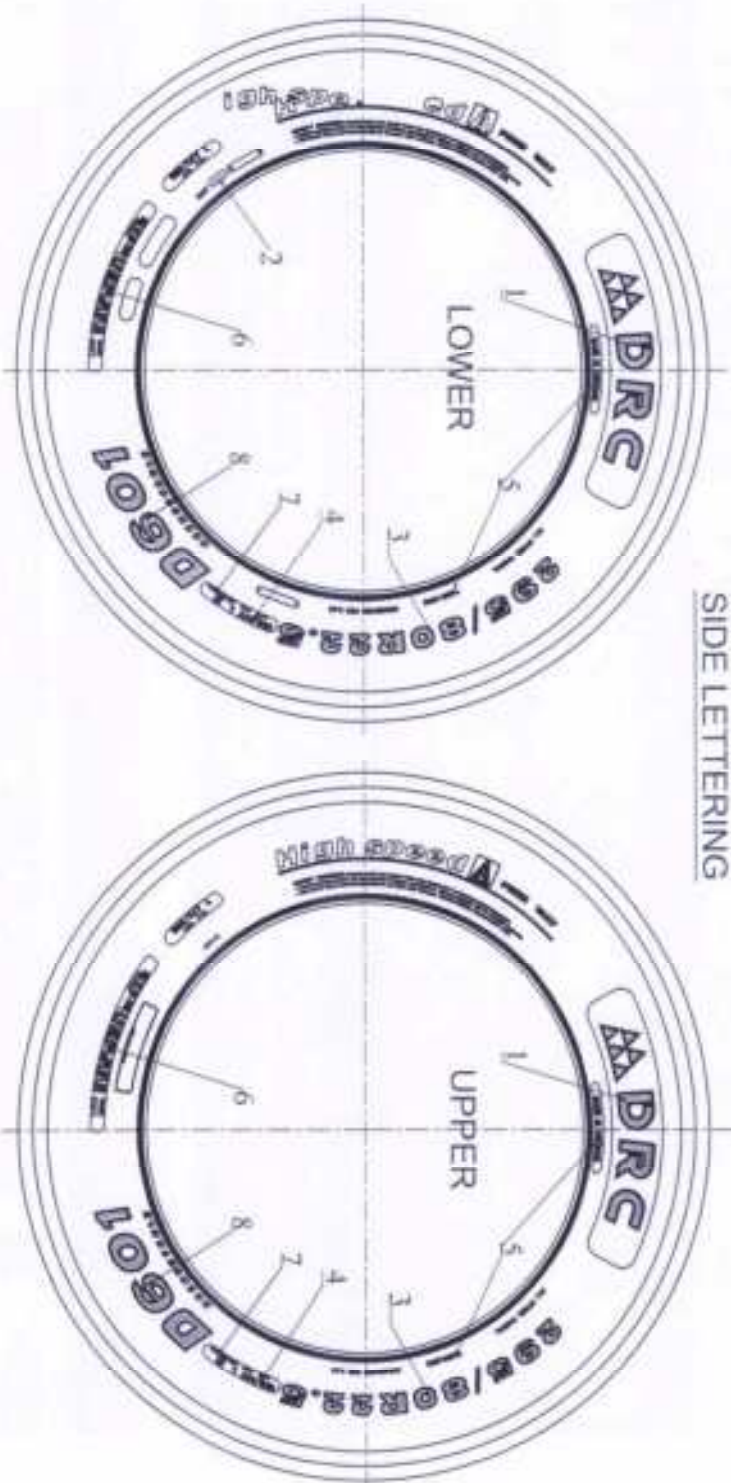
Detail for type DRC D601

Drawing No.01

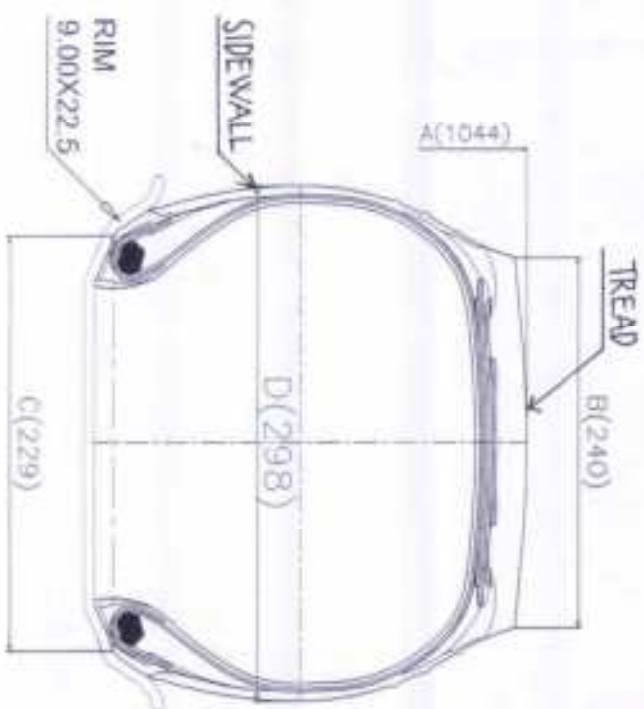
TREAD PATTERN



SIDE LETTERING



CROSS SECTION



8 D601
REGROOVABLE
7 ECE approval mark & approval number
Min 12mm

6 *MADE IN VIETNAM*
TUBELESS
Min 4mm

5 150/147 L E4
4 295/80R22.5
Min 12mm

3 295/80R22.5
2 XXXX (DATE CODE) WORKER CODE
Min 9mm

1 DRC
295/80R22.5 150/147 TL 1044 240 229 298
Min 4mm

TIRE SIZE LOAD INDEX SYMBOL SPEED TYPE A (mm) B (mm) C (mm) D (mm) TREAD DEPTH

DATE 2013/10/30 DRAWN *[Signature]* CHECKED *[Signature]* APPROVED *[Signature]* DANANG RUBBER JOINT STOCK COMPANY





Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **295/80R22.5**

TEST REPORT

According to ECE-Regulation

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES AND THEIR TRAILERS

ECE-R54

including all amendments until

Amendment 00, Supplement 18

Previously granted	
ECE - system type approval	: E4-54R-0028283 ext.00

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
 Type Size designation : 295/80R22.5

1. Markings

1.1.	Trade mark	:	DRC
1.2.	Tread pattern	:	DRC D601
1.3.	Plies		
	Tread	:	STEEL 4 PLIES
	Side wall	:	STEEL 1 PLY
1.4.	Size designation	:	295/80R22.5
1.5.	Category of use	:	normal
1.6.	Structure	:	radial
1.7.	Speed category	:	nominal : L , supplementary: ---
1.8.	Load-Capacity Indices corresponding to nominal speed corresponding to supplementary speed	:	single : 150 , twinned : 147 single : ---, twinned : ---
1.9.	Index of inflation pressure for testing	:	830 kPa
1.10.	Ply-rating number	:	16
1.11.	Indication	:	tubeless
1.12.	Regroovable	:	yes
1.13.	Date of manufacture	:	2713

2. Measurement according to Annex 6

2.1.	Measuring rim	:	9.00 x 22.5
2.2.	Inflation pressure	:	830 kPa
2.3.	Inflation pressure (readjusted before conditioning)	:	830 kPa
2.4.	Duration of conditioning of mounted tyre pre-measuring at ambient room temperature	:	more than 24 hours
2.5.	Inflation pressure (readjusted after conditioning)	:	830 kPa
2.6.	Overall width at six equally spaced points		
	1. 293.0 mm	4. 293.0 mm	
	2. 292.0 mm	5. 293.0 mm	
	3. 292.0 mm	6. 293.0 mm	
	Max.: 293.0 mm		

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 295/80R22.5

2.7. Circumference : 3311 mm
 2.8. Outer diameter : 1053.9 mm

3. Load/speed performance test according to ANNEX 7

3.1. Test machine : Gao Xiao Control Technology Co. Ltd.
 Qingdao
 Model: GX-YLN-1212
 3.2. Diameter test drum : 1.7 m
 3.3. Test rim : 9.00 x 22.5
 3.4. Conditioning of mounted tyre pre-testing at test-room temperature : more than 3 hours
 3.5. Test-room temperature : 30.0 °C
 3.6. Inflation pressure (readjusted before conditioning) : 830 kPa
 3.7. Inflation pressure (readjusted after conditioning) : 830 kPa
 3.8. Circumference after conditioning, before testing : 3311 mm
 3.9. Outer diameter : 1053.9 mm
 3.10. Inflation pressure : 830 kPa
 3.11. Corresponding load (100 %) : 3350 kg

Step	Step-Duration	Total Duration	Actual speed	Load (single)	
	[h]	[h]	(min ⁻¹)	(%)	(kg)
1.	7	7	200	66	2211
2.	16	23	200	84	2814
3.	24	47	200	101	3384
3.12.	Conditioning after testing at test-room temperature		:	more than 6 hours	
3.13.	Inflation pressure		:	830 kPa	
3.14.	Circumference after conditioning, after testing		:	3330 mm	
3.15.	Outer diameter		:	1060.0 mm	
3.16.	Difference outer diameter before and after testing (max. 3.5 %)		:	6.1 mm 0.6 %	

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 295/80R22.5

4. General information

- 4.1. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
- 4.2. Technical service responsible for carrying out the tests : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
- 4.3. Test object received : not applicable
- 4.4. Test location : Test Center of DANANG RUBBER JOINT STOCK COMPANY
Lot G, Ta Quang Buu Street, Lien Chieu Industrial Zone, Lien Chieu District, Da Nang City, Vietnam
- 4.5. Test date : October 03, 2013
- 4.6. Remarks concerning tested object(s) : The results of the test refer exclusively to the object(s) mentioned under item 1.4. of this report.

~~The actual test of the tyre is not necessarily required due to the modifications mentioned in Appendix 0 and the previous test results are still valid.~~

5. Appendices

- 0 List of modifications

Information document :295/80R22.5 - 00

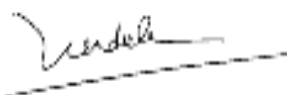
6. Statement of conformity

The information folder and the type described there comply with the requirements in the above mentioned regulation.

The test laboratory is designated for the above mentioned tests by the accreditation body of the RDW, Vehicle Technology and Information Centre, as the competent Administrative Department for the Netherlands; Designation No: RDW-99050014-06.

The test report comprises the pages 1 to 5 (including appendix 0) shall not be reproduced except in full without the written approval of the test laboratory.

Cologne, November 14, 2013
DT/NAV



Mr. D. Truong



Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **295/80R22.5**

List of modifications

Appendix 0

Correction of : Not applicable

Modification of : Not applicable

Addition of : Not applicable

Deletion of : Not applicable

APPLICATION FORM FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE FOR COMMERCIAL VEHICLES ACCORDING TO ECE REGULATION No: 54.00 SERIES OF AMENDMENTS

Approval No: E4-54R-0028284 Extension No.: 00

1. Manufacturer's name or trade mark on the type : DRC

2. Tyre type designation by the manufacturer : DRC D601

3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
 01 Le Van Hien Street, Nga Hanh Son District, Da Nung City, Vietnam

4. If applicable name and address of Manufacturer's representative : NOT APPLICABLE

5. Size designation of tyre : 315/80R22.5

6. Category of use : NORMAL

7. Structure : RADIAL

8. Speed : L

9. Load-capacity index : Single 154 Twinned 151

10. Overall dimensions : ETRTO

10.1 Overall width : 312mm

on measuring rim : 9.00x22.5

10.2 Outer diameter : 1076 mm

10.3 Measuring / test pressure : 120 PSI (830 kPa)

11. Factor X : NOT APPLICABLE

12. Ply rating number for automobile derivative tyres : 18

13. Rims on which the tyre can be mounted : 9.00x22.5

14. Measuring rim and test rim : SEE ATTACHED TEST REPORT

15. State whether tyre is : TUBELESS

16. Submitted for approval on (date) : OCTOBER 30, 2013

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

MANUFACTURER'S STAMP



Signature

Name:

Nguyễn Mạnh Sơn

THIS APPLICATION IS ACCOMPANIED BY:

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



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



COMMUNICATION

Concerning ⁽¹⁾:

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

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

Approval number: E4-54R-0028284

Extension number: 00

Approval mark :



0028284

1. Manufacturer's name or trade mark(s) : DRC
on the tyre type
2. Tyre type designation by the manufacturer : DRC D601
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. If applicable, name and address of the manufacturer's representative : not applicable
5. Summarized description:
 - 5.1. Size of tyre : 315/80R22.5
 - 5.2. Category of use : normal/special/snow⁽¹⁾
 - 5.3. Structure : ~~diagonal(bias-ply)~~/radial⁽¹⁾

- 5.4. Speed category symbol:
- 5.4.1. nominal : L
- 5.4.2. additional (if applicable) : ---
- 5.5. Load-capacity indices:
- 5.5.1. Corresponding to nominal speed:
- single : 154
 - twinned (dual) : 151
- 5.5.2. Corresponding to additional speed:
- single : ---
 - twinned (dual) : ---
6. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
7. Date of report issued by that service : November 14, 2013
8. Number of report issued by that service : 01-R54-022/13
9. Reason(s) for extension (if applicable) : not applicable
10. Any remarks : not applicable
11. Place : Zoetermeer
12. Date :
13. Signature :
14. 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 8.

⁽¹⁾ Strike out what does not apply.

PARTIAL MODEL INFORMATION DOCUMENT NO. 315/80R22.5 - 00

**UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR
COMMERCIAL VEHICLES AND THEIR TRAILERS**

ECE-R54

including all amendments until

(Amendment 00, Supplement 18)

Type:

DRC D601

This model information document consists of pages 1 to 3

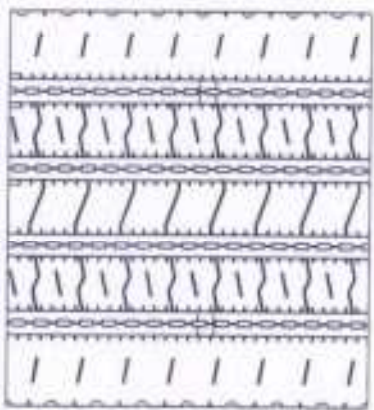
- | | | | |
|-------|--|---|--|
| 1. | Trade name or trade mark on the tyre | : | DRC |
| 2. | Tyre type designation by the manufacturer | : | DRC D601 |
| 3. | Manufacturer's name and address | : | DANANG RUBBER JOINT STOCK
COMPANY
01 Le Van Hien Street, Ngu Hanh Son
District, Da Nang City, Vietnam |
| 4. | Name and address of manufacturer's representative | : | not applicable |
| 5. | Summarized description | | |
| 5.1 | Size designation | : | 315/80R22.5 |
| 5.2 | Category of use | : | normal/ snow /temporary use |
| 5.3 | Structure | : | diagonal/bias -belted/radial |
| 5.4 | Speed category symbol | | |
| 5.4.1 | nominal | : | L |
| 5.4.2 | additional(if applicable) | : | --- |
| 5.5 | Load capacity index | | |
| 5.5.1 | corresponding to nominal speed | : | single : 154 , twined(dual) : 151 |
| 5.5.2 | corresponding to additional speed | : | single : ---, twined(dual) : --- |
| 6. | Overall dimensions | : | Annex 5/ETRTO/calculated/TRA |
| | - overall section width | : | 312 mm |
| | - outer diameter | : | 1076 mm |
| 7. | Factor "X" | : | not applicable |
| 8. | Ply-rating number for diagonal (bias ply) tyres | : | 18 |
| 9. | Rims on which the tyre can be mounted | : | 9.00x22.5 |
| 10. | Measuring rim and test rim | : | see attached test report |
| 11. | State whether the tyre is | : | tubeless/ tube type |
| 12. | Inflation pressure and index for measuring and testing | : | see attached test report |
| 13. | Submitted for approval on (date) | : | October 30, 2013 |

List of attachment:

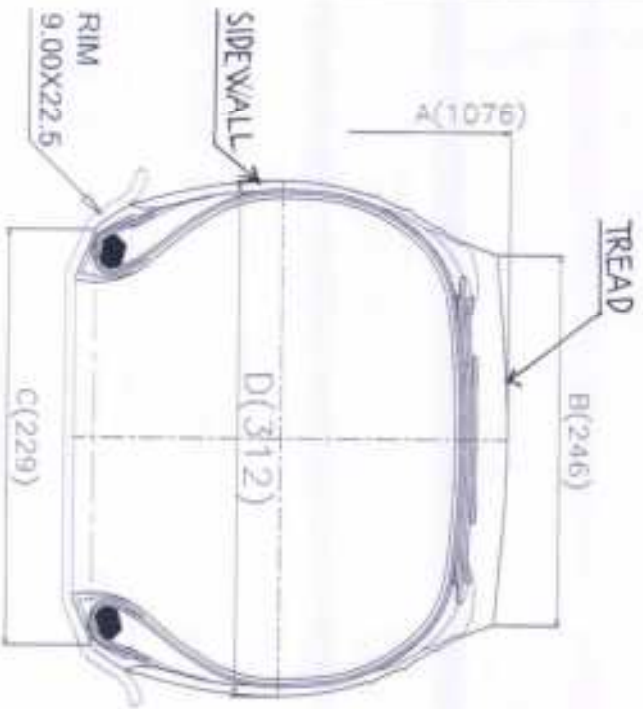
Detail for type DRC D601

Drawing No.01

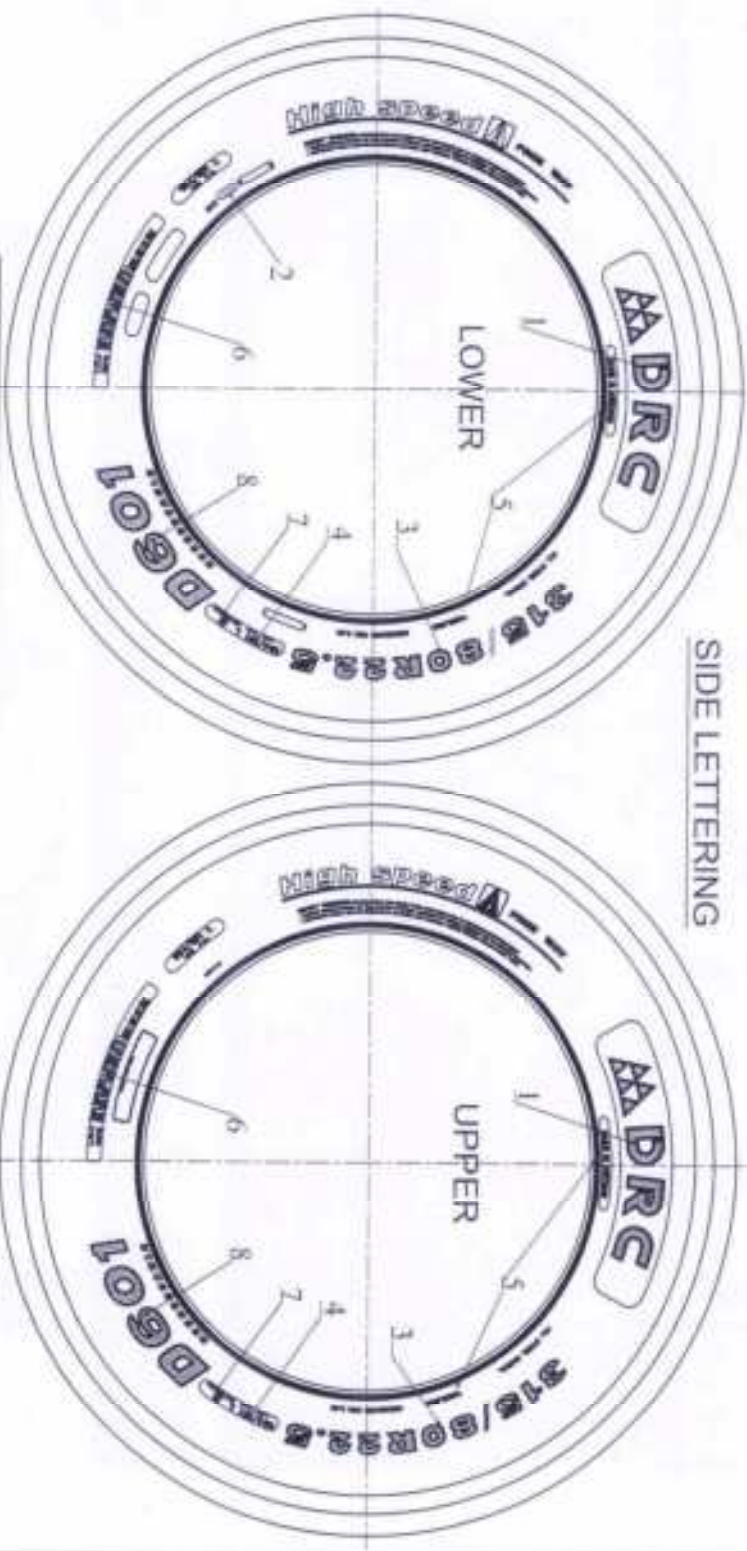
TREAD PATTERN



CROSS SECTION



SIDE LETTERING



DATE 2013/10/30 DRAWN *[Signature]* CHECKED *[Signature]* APPROVED *[Signature]* DANANG RUBBER JOINT STOCK COMPANY

8	D601	REGROOVABLE							
7	ECE approval mark & approval number								
6									
5	MADE IN VIETNAM	TUBELESS							
4									
3	315/80R22.5								
2	XXXX(DATE CODE)	WORKER CODE							
1	DRC								
	315/80R22.5	154/151	L	TL	1076	246	229	312	16
	TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)	D (mm)	TREAD DEPTH (mm)



Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 315/80R22.5

TEST REPORT

According to ECE-Regulation

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES AND THEIR TRAILERS

ECE-R54

including all amendments until

Amendment 00, Supplement 18

Previously granted	
ECE - system type approval	: E4-54R-0028284 ext.00

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 315/80R22.5

1. Markings

- 1.1. Trade mark : DRC
- 1.2. Tread pattern : DRC D601
- 1.3. Plies
- Tread : STEEL 4 PLIES
- Side wall : STEEL 1 PLY
- 1.4. Size designation : 315/80R22.5
- 1.5. Category of use : normal
- 1.6. Structure : radial
- 1.7. Speed category : nominal : L , supplementary: ---
- 1.8. Load-Capacity Indices : single : 154 , twinned : 151
 corresponding to nominal speed
 corresponding to supplementary speed : single : ---, twinned : ---
- 1.9. Index of inflation pressure for testing : 830 kPa
- 1.10. Ply-rating number : 18
- 1.11. Indication : tubeless
- 1.12. Regroovable : yes
- 1.13. Date of manufacture : 3613

2. Measurement according to Annex 6

- 2.1. Measuring rim : 9.00 x 22.5
- 2.2. Inflation pressure : 830 kPa
- 2.3. Inflation pressure (readjusted before conditioning) : 830 kPa
- 2.4. Duration of conditioning of mounted tyre pre-measuring : more than 24 hours
 at ambient room temperature
- 2.5. Inflation pressure (readjusted after conditioning) : 830 kPa
- 2.6. Overall width at six equally spaced points
- | | |
|-------------|-------------|
| 1. 310.0 mm | 4. 310.0 mm |
| 2. 311.0 mm | 5. 310.0 mm |
| 3. 311.0 mm | 6. 310.0 mm |
- Max.: 311.0 mm

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 315/80R22.5

2.7. Circumference : 3400 mm
 2.8. Outer diameter : 1082.3 mm

3. Load/speed performance test according to ANNEX 7

3.1. Test machine : Gao Xiao Control Technology Co. Ltd.
 Qingdao
 Model: GX-YLN-1212
 3.2. Diameter test drum : 1.7 m
 3.3. Test rim : 9.00 x 22.5
 3.4. Conditioning of mounted tyre pre-testing at test-room temperature : more than 3 hours
 3.5. Test-room temperature : 30.0 °C
 3.6. Inflation pressure (readjusted before conditioning) : 830 kPa
 3.7. Inflation pressure (readjusted after conditioning) : 830 kPa
 3.8. Circumference after conditioning, before testing : 3401 mm
 3.9. Outer diameter : 1082.6 mm
 3.10. Inflation pressure : 830 kPa
 3.11. Corresponding load (100 %) : 3750 kg

Step	Step-Duration	Total Duration	Actual speed	Load (single)	
	[h]	[h]	(min ⁻¹)	(%)	(kg)
1.	7	7	200	66	2475
2.	16	23	200	84	3150
3.	24	47	200	101	3788
3.12.	Conditioning after testing at test-room temperature		:	more than 6 hours	
3.13.	Inflation pressure		:	830 kPa	
3.14.	Circumference after conditioning, after testing		:	3414 mm	
3.15.	Outer diameter		:	1086.7 mm	
3.16.	Difference outer diameter before and after testing (max. 3.5 %)		:	4.1 mm 0.4 %	

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
 Type Size designation : 315/80R22.5

4. General information

- 4.1. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
 01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
- 4.2. Technical service responsible for carrying out the tests : TÜV Rheinland Kraftfahrt GmbH
 Technologiezentrum Verkehrssicherheit
 Am Grauen Stein
 D-51105 Köln (Poll)
- 4.3. Test object received : not applicable
- 4.4. Test location : Test Center of DANANG RUBBER JOINT STOCK COMPANY
 Lot G, Ta Quang Buu Street, Lien Chieu Industrial Zone, Lien Chieu District, Da Nang City, Vietnam
- 4.5. Test date : October 16, 2013
- 4.6. Remarks concerning tested object(s) : The results of the test refer exclusively to the object(s) mentioned under item 1.4. of this report.

~~The actual test of the tyre is not necessarily required due to the modifications mentioned in Appendix 0 and the previous test results are still valid.~~

5. Appendices

- 0 List of modifications

Information document : 315/80R22.5 - 00

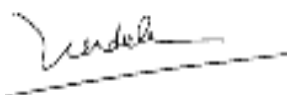
6. Statement of conformity

The information folder and the type described there comply with the requirements in the above mentioned regulation.

The test laboratory is designated for the above mentioned tests by the accreditation body of the RDW, Vehicle Technology and Information Centre, as the competent Administrative Department for the Netherlands; Designation No: RDW-99050014-06.

The test report comprises the pages 1 to 5 (including appendix 0) shall not be reproduced except in full without the written approval of the test laboratory.

Cologne, November 14, 2013
 DT/NAV



Mr. D. Truong



Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **315/80R22.5**

List of modifications

Appendix 0

Correction of : Not applicable

Modification of : Not applicable

Addition of : Not applicable

Deletion of : Not applicable

APPLICATION FORM FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE FOR COMMERCIAL VEHICLES ACCORDING TO ECE REGULATION No: 54.00 SERIES OF AMENDMENTS

Approval No: E4-54R-0028285 Extension No.: 00
1.Manufacturer's name or trade mark on the type :DRC
2.Tyre type designation by the manufacturer :DRC D651
3.Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City,
Vietnam
4.If applicable name and address of
Manufacturer's representative : NOT APPLICABLE
5.Size designation of tyre : 10.00R20
6.Category of use : NORMAL
7.Structure : RADIAL
8.Speed : L
9.Load-capacity index : Single 149 Twinned 146
10.Overall dimensions : Annex 5
10.1Overall width : 275mm
on measuring rim : 7.50x20
10.2Outer diameter : 1052 mm
10.3 Measuring / test pressure : 135 PSI (930 kPa)
11.Factor X : NOT APPLICABLE
12.Ply rating number for automobile derivative tyres : 18
13.Rims on which the tyre can be mounted : 7.50x20
14.Measuring rim and test rim : SEE ATTACHED TEST REPORT
15.State whether tyre is : TUBE TYPE
16.Submitted for approval on (date) : OCTOBER 30, 2013

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

MANUFACTURER'S STAMP



Signature, *f*

Name:

Nguyễn Mạnh Sơn

THIS APPLICATION IS ACCOMPANIED BY:

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



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



COMMUNICATION

Concerning ⁽¹⁾:

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

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

Approval number: E4-54R-0028285

Extension number: 00

Approval mark :



0028285

1. Manufacturer's name or trade mark(s) : DRC
on the tyre type
2. Tyre type designation by the manufacturer : DRC D651
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. If applicable, name and address of the manufacturer's representative : not applicable
5. Summarized description:
 - 5.1. Size of tyre : 10.00R20
 - 5.2. Category of use : normal/special/snow⁽¹⁾
 - 5.3. Structure : ~~diagonal(bias-ply)~~/radial⁽¹⁾

- 5.4. Speed category symbol:
- 5.4.1. nominal : L
- 5.4.2. additional (if applicable) : ---
- 5.5. Load-capacity indices:
- 5.5.1. Corresponding to nominal speed:
- single : 149
 - twinned (dual) : 146
- 5.5.2. Corresponding to additional speed:
- single : ---
 - twinned (dual) : ---
6. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
7. Date of report issued by that service : November 14, 2013
8. Number of report issued by that service : 01-R54-023/13
9. Reason(s) for extension (if applicable) : not applicable
10. Any remarks : not applicable
11. Place : Zoetermeer
12. Date :
13. Signature :
14. 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 8.

⁽¹⁾ Strike out what does not apply.

PARTIAL MODEL INFORMATION DOCUMENT NO. 10.00R20 - 00

**UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR
COMMERCIAL VEHICLES AND THEIR TRAILERS**

ECE-R54

including all amendments until

(Amendment 00, Supplement 18)

Type:

DRC D651

This model information document consists of pages 1 to 3

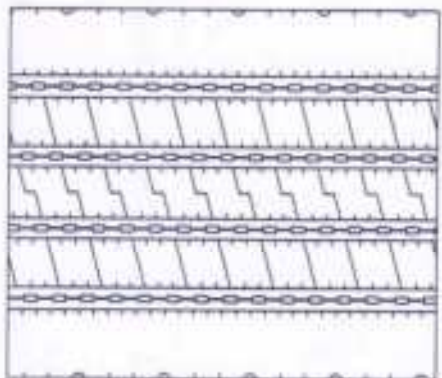
- | | | | |
|-------|--|---|--|
| 1. | Trade name or trade mark on the tyre | : | DRC |
| 2. | Tyre type designation by the manufacturer | : | DRC D651 |
| 3. | Manufacturer's name and address | : | DANANG RUBBER JOINT STOCK
COMPANY
01 Le Van Hien Street, Ngu Hanh Son
District, Da Nang City, Vietnam |
| 4. | Name and address of manufacturer's representative | : | not applicable |
| 5. | Summarized description | | |
| 5.1 | Size designation | : | 10.00R20 |
| 5.2 | Category of use | : | normal/ snow /temporary use |
| 5.3 | Structure | : | diagonal/bias -belted/radial |
| 5.4 | Speed category symbol | | |
| 5.4.1 | nominal | : | L |
| 5.4.2 | additional(if applicable) | : | --- |
| 5.5 | Load capacity index | | |
| 5.5.1 | corresponding to nominal speed | : | single : 149 , twined(dual) : 146 |
| 5.5.2 | corresponding to additional speed | : | single : ---, twined(dual) : --- |
| 6. | Overall dimensions | : | Annex 5/ ETRTO/calculated /TRA |
| | - overall section width | : | 275 mm |
| | - outer diameter | : | 1052 mm |
| 7. | Factor "X" | : | not applicable |
| 8. | Ply-rating number for diagonal (bias ply) tyres | : | 18 |
| 9. | Rims on which the tyre can be mounted | : | 7.50x20 |
| 10. | Measuring rim and test rim | : | see attached test report |
| 11. | State whether the tyre is | : | tubeless /tube type |
| 12. | Inflation pressure and index for measuring and testing | : | see attached test report |
| 13. | Submitted for approval on (date) | : | October 30, 2013 |

List of attachment:

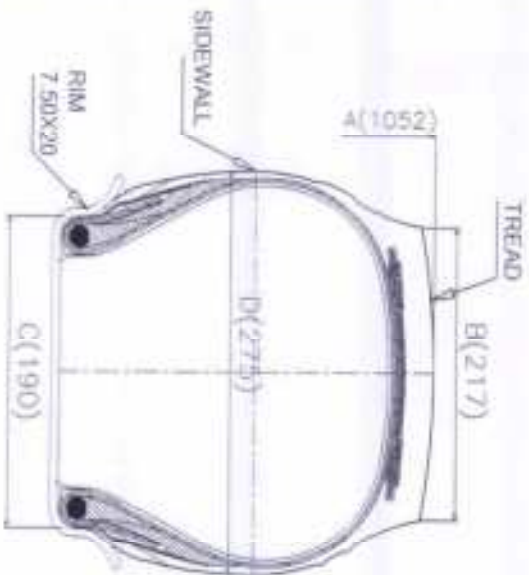
Detail for type DRC D651

Drawing No.01

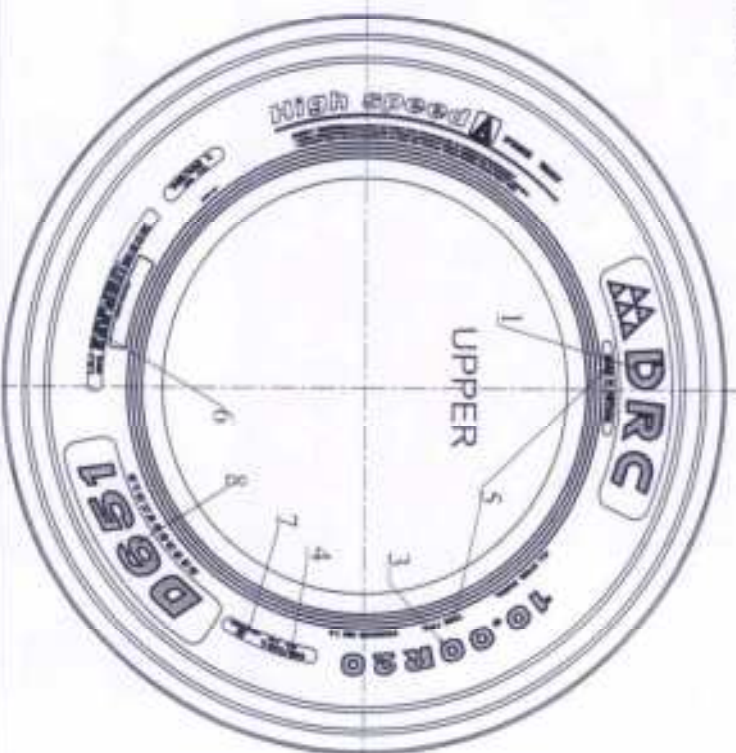
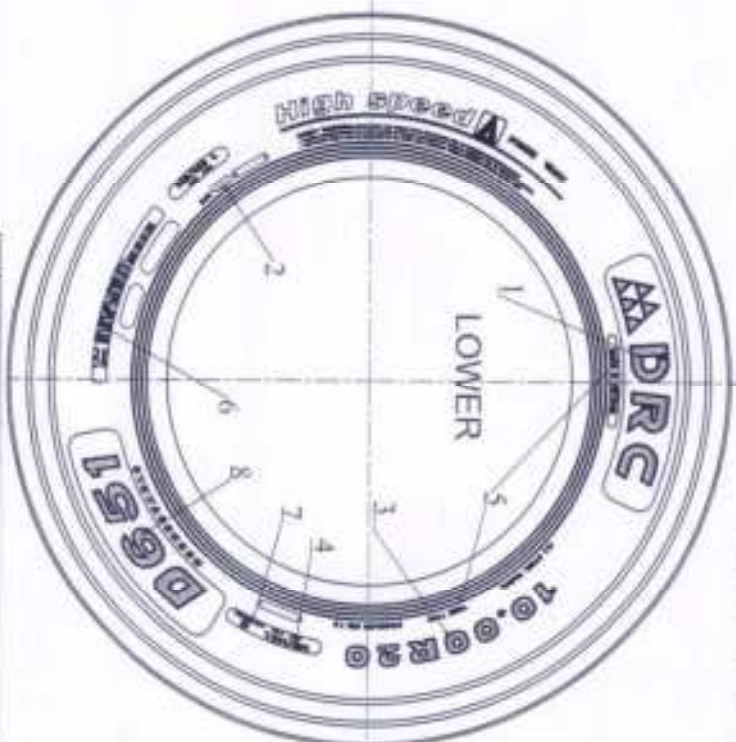
TREAD PATTERN



CROSS SECTION



SIDE LETTERING



8 D651
REGROOVABLE
7 ECE approval mark & approval number
Min 12mm

6 *Li-Feng* RUBBER TREAD STEEL & SIDEWALL STEEL
MAX. LOAD SINGLE PASSING (75% IN) AT 80KM/H (100 MPH) 200KG
MAX. LOAD DOUBLE PASSING (85% IN) AT 80KM/H (100 MPH) 400KG
180PSI

5 MADE IN VIETNAM TUBE TYPE
Min 4mm

4 149/146L (E4)
Min 12mm

3 10.00R20
Min 9mm

2 XXXX (DATE CODE) WORKER CODE
Min 4mm

1 DRC
10.00R20 149/146 TT 1052 217 190 275 14
TIRE SIZE LOAD SPEED INDEX SYMBOL TYPE A (mm) B (mm) C (mm) D (mm) TREAD DEPTH

DATE 2013/10/30 DRAWN *Nguyen* CHECKED *Nguyen* APPROVE *DANG* DANANG RUBBER JOINT STOCK COMPANY

Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **10.00R20**

TEST REPORT

According to ECE-Regulation

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES AND THEIR TRAILERS

ECE-R54

including all amendments until

Amendment 00, Supplement 18

Previously granted	
ECE - system type approval	: E4-54R-0028285 ext.00

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 10.00R20

1. Markings

- 1.1. Trade mark : DRC
- 1.2. Tread pattern : DRC D651
- 1.3. Plies
- Tread : STEEL 4 PLIES
- Side wall : STEEL 1 PLY
- 1.4. Size designation : 10.00R20
- 1.5. Category of use : normal
- 1.6. Structure : radial
- 1.7. Speed category : nominal : L , supplementary: ---
- 1.8. Load-Capacity Indices : single : 149 , twinned : 146
 corresponding to nominal speed
 corresponding to supplementary speed : single : ---, twinned : ---
- 1.9. Index of inflation pressure for testing : 930 kPa
- 1.10. Ply-rating number : 18
- 1.11. Indication : tube type
- 1.12. Regroovable : yes
- 1.13. Date of manufacture : 3613

2. Measurement according to Annex 6

- 2.1. Measuring rim : 7.50 x 20
- 2.2. Inflation pressure : 930 kPa
- 2.3. Inflation pressure (readjusted before conditioning) : 930 kPa
- 2.4. Duration of conditioning of mounted tyre pre-measuring at ambient room temperature : more than 24 hours
- 2.5. Inflation pressure (readjusted after conditioning) : 930 kPa
- 2.6. Overall width at six equally spaced points
- | | |
|-------------|-------------|
| 1. 271.0 mm | 4. 272.0 mm |
| 2. 270.0 mm | 5. 271.0 mm |
| 3. 270.0 mm | 6. 272.0 mm |
- Max.: 272.0 mm

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 10.00R20

2.7. Circumference : 3300 mm
 2.8. Outer diameter : 1050.4 mm

3. Load/speed performance test according to ANNEX 7

3.1. Test machine : Gao Xiao Control Technology Co. Ltd.
 Qingdao
 Model: GX-YLN-1212
 3.2. Diameter test drum : 1.7 m
 3.3. Test rim : 7.50 x 20
 3.4. Conditioning of mounted tyre pre-testing at test-room temperature : more than 3 hours
 3.5. Test-room temperature : 30.0 °C
 3.6. Inflation pressure (readjusted before conditioning) : 930 kPa
 3.7. Inflation pressure (readjusted after conditioning) : 930 kPa
 3.8. Circumference after conditioning, before testing : 3301 mm
 3.9. Outer diameter : 1050.7 mm
 3.10. Inflation pressure : 930 kPa
 3.11. Corresponding load (100 %) : 3250 kg

Step	Step-Duration	Total Duration	Actual speed	Load (single)	
	[h]	[h]	(min ⁻¹)	(%)	(kg)
1.	7	7	200	66	2145
2.	16	23	200	84	2730
3.	24	47	200	101	3283

3.12. Conditioning after testing at test-room temperature : more than 6 hours
 3.13. Inflation pressure : 930 kPa
 3.14. Circumference after conditioning, after testing : 3324 mm
 3.15. Outer diameter : 1058.1 mm
 3.16. Difference outer diameter before and after testing : 7.4 mm
 (max. 3.5 %) : 0.7 %

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
 Type Size designation : 10.00R20

4. General information

- 4.1. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
 01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
- 4.2. Technical service responsible for carrying out the tests : TÜV Rheinland Kraftfahrt GmbH
 Technologiezentrum Verkehrssicherheit
 Am Grauen Stein
 D-51105 Köln (Poll)
- 4.3. Test object received : not applicable
- 4.4. Test location : Test Center of DANANG RUBBER JOINT STOCK COMPANY
 Lot G, Ta Quang Buu Street, Lien Chieu Industrial Zone, Lien Chieu District, Da Nang City, Vietnam
- 4.5. Test date : October 03, 2013
- 4.6. Remarks concerning tested object(s) : The results of the test refer exclusively to the object(s) mentioned under item 1.4. of this report.

~~The actual test of the tyre is not necessarily required due to the modifications mentioned in Appendix 0 and the previous test results are still valid.~~

5. Appendices

- 0 List of modifications

Information document : 10.00R20 - 00

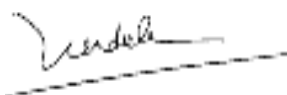
6. Statement of conformity

The information folder and the type described there comply with the requirements in the above mentioned regulation.

The test laboratory is designated for the above mentioned tests by the accreditation body of the RDW, Vehicle Technology and Information Centre, as the competent Administrative Department for the Netherlands; Designation No: RDW-99050014-06.

The test report comprises the pages 1 to 5 (including appendix 0) shall not be reproduced except in full without the written approval of the test laboratory.

Cologne, November 14, 2013
 DT/NAV



Mr. D. Truong



Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **10.00R20**

List of modifications

Appendix 0

Correction of : Not applicable

Modification of : Not applicable

Addition of : Not applicable

Deletion of : Not applicable



DANANG RUBBER JOINT STOCK COMPANY

TEL : 84-511-3847408 FAX : 84-511-3836195

E-mail : drc@dng.vnn.vn

APPLICATION FORM FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE FOR COMMERCIAL VEHICLES ACCORDING TO ECE REGULATION No: 54.00 SERIES OF AMENDMENTS

Approval No: E4-54R-0028286 Extension No.: 00

1. Manufacturer's name or trade mark on the type : DRC

2. Tyre type designation by the manufacturer : DRC D631, D651

3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam

4. If applicable name and address of Manufacturer's representative : NOT APPLICABLE

5. Size designation of tyre : 11.00R20

6. Category of use : NORMAL

7. Structure : RADIAL

8. Speed : L

9. Load-capacity index : Single 152 Twinned 149

10. Overall dimensions : Annex 5

10.1 Overall width : 286mm

on measuring rim : 8.00x20

10.2 Outer diameter : 1082 mm

10.3 Measuring / test pressure : 135 PSI (930 kPa)

11. Factor X : NOT APPLICABLE

12. Ply rating number for automobile derivative tyres : 18

13. Rims on which the tyre can be mounted : 8.00x20

14. Measuring rim and test rim : SEE ATTACHED TEST REPORT

15. State whether tyre is : TUBE TYPE

16. Submitted for approval on (date) : OCTOBER 30, 2013

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

MANUFACTURER'S STAMP



Signature

Name:

Nguyễn Mạnh Sơn

THIS APPLICATION IS ACCOMPANIED BY:

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



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



COMMUNICATION

Concerning ⁽¹⁾:

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

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

Approval number: E4-54R-0028286

Extension number: 00

Approval mark :



0028286

1. Manufacturer's name or trade mark(s) : DRC
on the tyre type
2. Tyre type designation by the manufacturer : DRC D631, D651
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. If applicable, name and address of the manufacturer's representative : not applicable
5. Summarized description:
 - 5.1. Size of tyre : 11.00R20
 - 5.2. Category of use : normal/special/snow⁽¹⁾
 - 5.3. Structure : ~~diagonal(bias-ply)~~/radial⁽¹⁾

- 5.4. Speed category symbol:
- 5.4.1. nominal : L
- 5.4.2. additional (if applicable) : ---
- 5.5. Load-capacity indices:
- 5.5.1. Corresponding to nominal speed:
- single : 152
 - twinned (dual) : 149
- 5.5.2. Corresponding to additional speed:
- single : ---
 - twinned (dual) : ---
6. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
7. Date of report issued by that service : November 14, 2013
8. Number of report issued by that service : 01-R54-024/13
9. Reason(s) for extension (if applicable) : not applicable
10. Any remarks : not applicable
11. Place : Zoetermeer
12. Date :
13. Signature :
14. 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 8.

⁽¹⁾ Strike out what does not apply.

PARTIAL MODEL INFORMATION DOCUMENT NO. 11.00R20 - 00

**UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR
COMMERCIAL VEHICLES AND THEIR TRAILERS**

ECE-R54

including all amendments until

(Amendment 00, Supplement 18)

Type:

DRC D631, D651

This model information document consists of pages 1 to 4

- | | | | |
|-------|--|---|--|
| 1. | Trade name or trade mark on the tyre | : | DRC |
| 2. | Tyre type designation by the manufacturer | : | DRC D631, D651 |
| 3. | Manufacturer's name and address | : | DANANG RUBBER JOINT STOCK
COMPANY
01 Le Van Hien Street, Ngu Hanh Son
District, Da Nang City, Vietnam |
| 4. | Name and address of manufacturer's representative | : | not applicable |
| 5. | Summarized description | | |
| 5.1 | Size designation | : | 11.00R20 |
| 5.2 | Category of use | : | normal/ snow /temporary use |
| 5.3 | Structure | : | diagonal/bias-belted /radial |
| 5.4 | Speed category symbol | | |
| 5.4.1 | nominal | : | L |
| 5.4.2 | additional(if applicable) | : | --- |
| 5.5 | Load capacity index | | |
| 5.5.1 | corresponding to nominal speed | : | single : 152 , twined(dual) : 149 |
| 5.5.2 | corresponding to additional speed | : | single : ---, twined(dual) : --- |
| 6. | Overall dimensions | : | Annex 5/ ETRTO/calculated /TRA |
| | - overall section width | : | 286 mm |
| | - outer diameter | : | 1082 mm |
| 7. | Factor "X" | : | not applicable |
| 8. | Ply-rating number for diagonal (bias ply) tyres | : | 18 |
| 9. | Rims on which the tyre can be mounted | : | 8.00x20 |
| 10. | Measuring rim and test rim | : | see attached test report |
| 11. | State whether the tyre is | : | tubeless /tube type |
| 12. | Inflation pressure and index for measuring and testing | : | see attached test report |
| 13. | Submitted for approval on (date) | : | October 30, 2013 |

List of attachment:

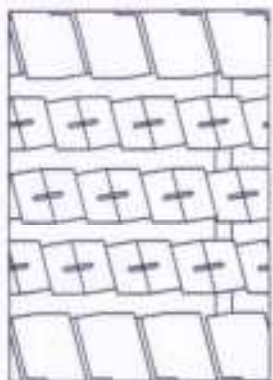
Detail for type DRC D631

Detail for type DRC D651

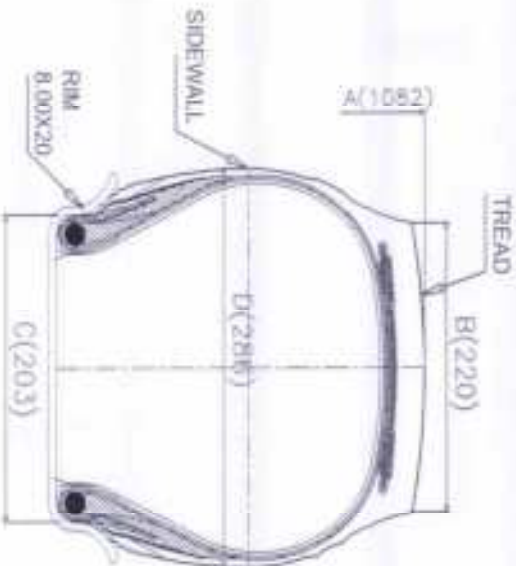
Drawing No.01

Drawing No.02

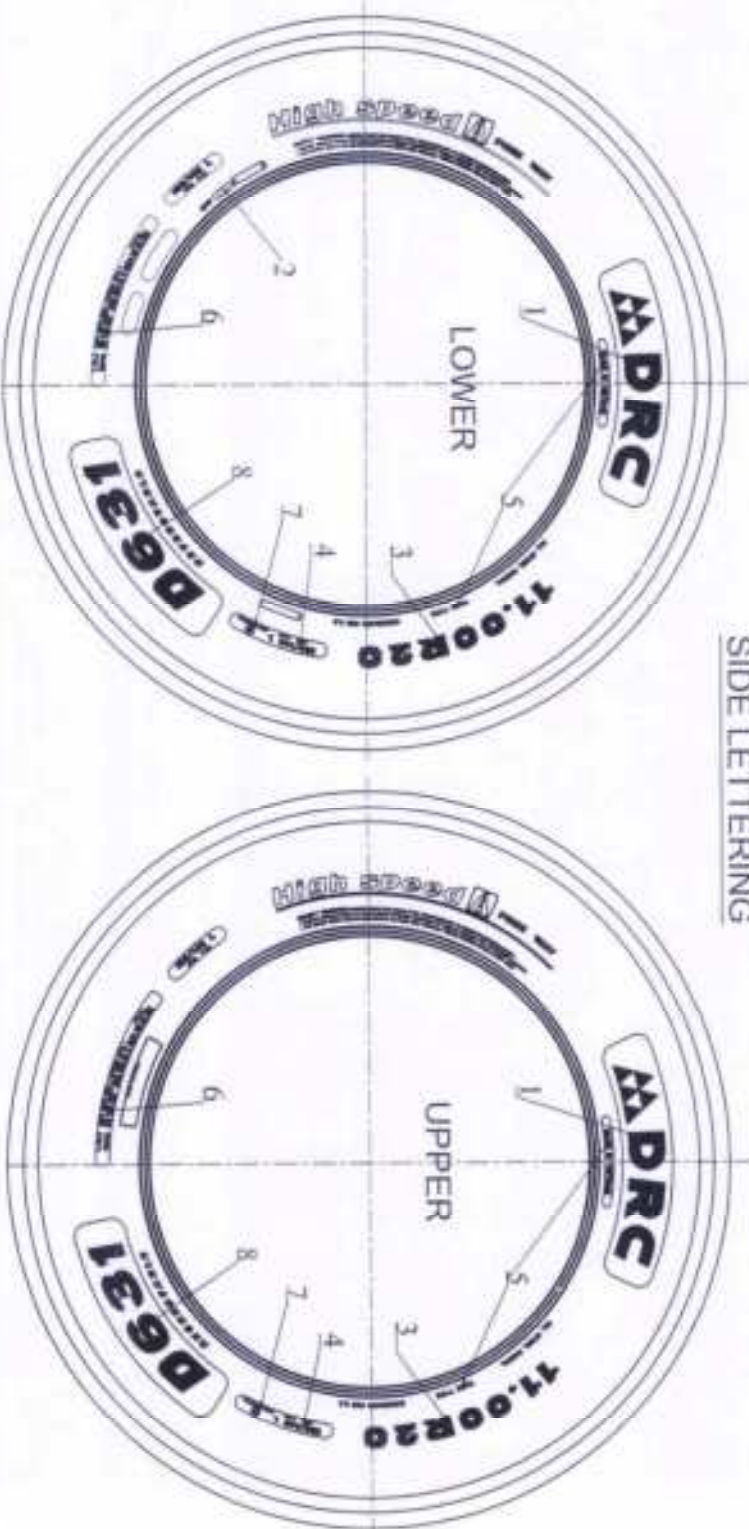
TREAD PATTERN



CROSS SECTION



SIDE LETTERING



D631

REGROOVABLE

7 ECE approval mark & approval number



5 MADE IN VIETNAM TUBE TYPE



3 11.00R20

2 XXXX (DATE CODE) WORKER CODE

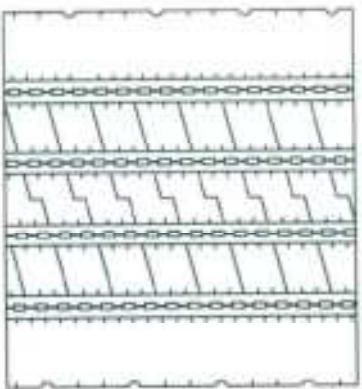
1 DRC

11.00R20	152/149	TT	1082	220	203	286	16
TIRE SIZE	LOAD INDEX	TYPE	A (mm)	B (mm)	C (mm)	D (mm)	TREAD DEPTH

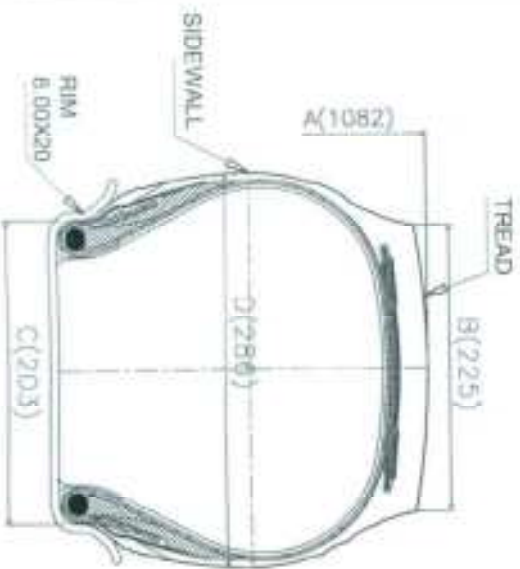
DATE 2013/10/30 DRAWN [Signature] CHECKED [Signature] APPROVED [Signature] DANANG RUBBER JOINT STOCK COMPANY



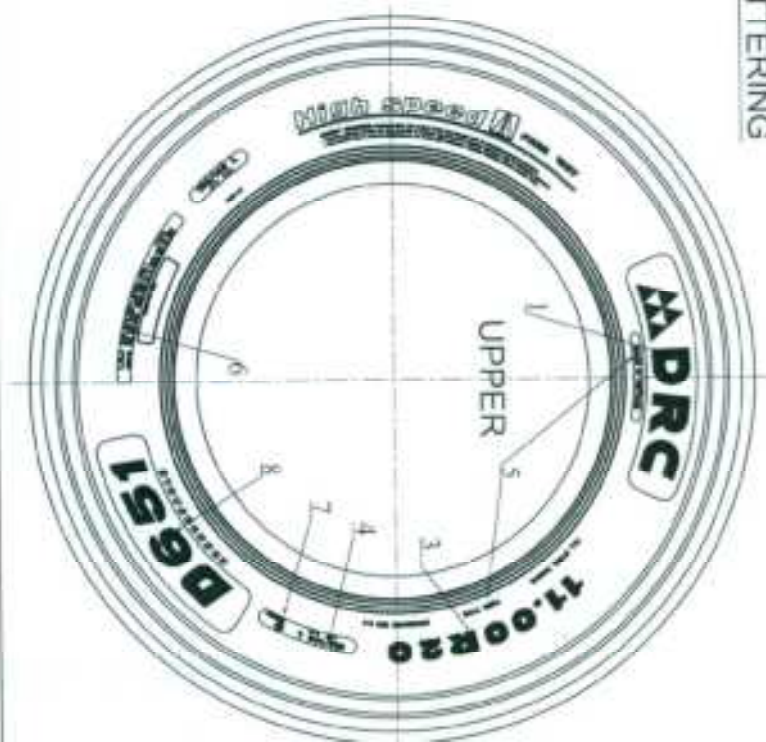
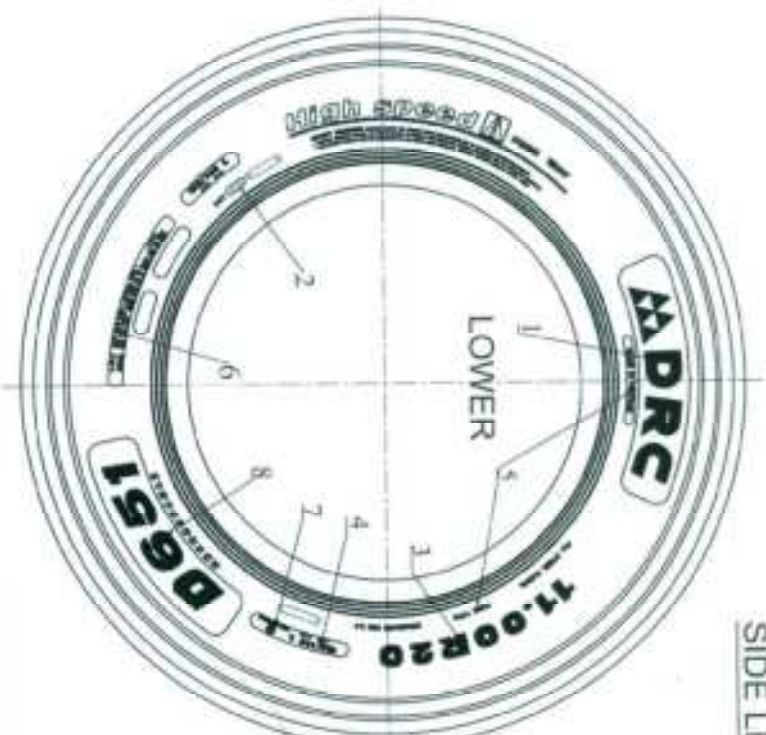
TREAD PATTERN



CROSS SECTION



SIDE LETTERING



8	D651	REGROOVABLE	
7	ECE approval mark & approval number		Min 12mm
6			
5	MADE IN VIETNAM	TUBE TYPE	Min 4mm
4			Min 12mm
3	11.00R20		Min 9mm
2	XXXX (DATE CODE)	WORKER CODE	Min 4mm
1	DRC		

11.00R20	152/149	CONE TY	TT	1082	225	203	286	15
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)	D (mm)	TREAD DEPTH (mm)

DATE 2013/10/30 DRAWN CHECKED APPROVED DANANG RUBBER JOINT STOCK COMPANY



Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 11.00R20

TEST REPORT

According to ECE-Regulation

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES AND THEIR TRAILERS

ECE-R54

including all amendments until

Amendment 00, Supplement 18

Previously granted	
ECE - system type approval	: E4-54R-0028286 ext.00

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 11.00R20

1. Markings

1.1.	Trade mark	:	DRC
1.2.	Tread pattern	:	DRC D651
1.3.	Plies		
	Tread	:	STEEL 4 PLIES
	Side wall	:	STEEL 1 PLY
1.4.	Size designation	:	11.00R20
1.5.	Category of use	:	normal
1.6.	Structure	:	radial
1.7.	Speed category	:	nominal : L , supplementary: ---
1.8.	Load-Capacity Indices corresponding to nominal speed corresponding to supplementary speed	:	single : 152 , twinned : 149 single : ---, twinned : ---
1.9.	Index of inflation pressure for testing	:	930 kPa
1.10.	Ply-rating number	:	18
1.11.	Indication	:	tube type
1.12.	Regroovable	:	yes
1.13.	Date of manufacture	:	3213

2. Measurement according to Annex 6

2.1.	Measuring rim	:	8.00 x 20
2.2.	Inflation pressure	:	930 kPa
2.3.	Inflation pressure (readjusted before conditioning)	:	930 kPa
2.4.	Duration of conditioning of mounted tyre pre-measuring at ambient room temperature	:	more than 24 hours
2.5.	Inflation pressure (readjusted after conditioning)	:	930 kPa
2.6.	Overall width at six equally spaced points		
	1. 286.0 mm	4. 287.0 mm	
	2. 287.0 mm	5. 287.0 mm	
	3. 287.0 mm	6. 287.0 mm	
	Max.: 287.0 mm		

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 11.00R20

2.7. Circumference : 3404 mm
 2.8. Outer diameter : 1083.5 mm

3. Load/speed performance test according to ANNEX 7

3.1. Test machine : Gao Xiao Control Technology Co. Ltd.
 Qingdao
 Model: GX-YLN-1212
 3.2. Diameter test drum : 1.7 m
 3.3. Test rim : 8.00 x 20
 3.4. Conditioning of mounted tyre pre-testing at test-room temperature : more than 3 hours
 3.5. Test-room temperature : 30.0 °C
 3.6. Inflation pressure (readjusted before conditioning) : 930 kPa
 3.7. Inflation pressure (readjusted after conditioning) : 930 kPa
 3.8. Circumference after conditioning, before testing : 3404 mm
 3.9. Outer diameter : 1083.5 mm
 3.10. Inflation pressure : 930 kPa
 3.11. Corresponding load (100 %) : 3550 kg

Step	Step-Duration	Total Duration	Actual speed	Load (single)	
	[h]	[h]	(min ⁻¹)	(%)	(kg)
1.	7	7	200	66	2343
2.	16	23	200	84	2982
3.	24	47	200	101	3586

3.12. Conditioning after testing at test-room temperature : more than 6 hours
 3.13. Inflation pressure : 930 kPa
 3.14. Circumference after conditioning, after testing : 3428 mm
 3.15. Outer diameter : 1091.2 mm
 3.16. Difference outer diameter before and after testing : 7.7 mm
 (max. 3.5 %) : 0.7 %

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 11.00R20

4. General information

- 4.1. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
- 4.2. Technical service responsible for carrying out the tests : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
- 4.3. Test object received : not applicable
- 4.4. Test location : Test Center of DANANG RUBBER JOINT STOCK COMPANY
Lot G, Ta Quang Buu Street, Lien Chieu Industrial Zone, Lien Chieu District, Da Nang City, Vietnam
- 4.5. Test date : October 01, 2013
- 4.6. Remarks concerning tested object(s) : The results of the test refer exclusively to the object(s) mentioned under item 1.4. of this report.

~~The actual test of the tyre is not necessarily required due to the modifications mentioned in Appendix 0 and the previous test results are still valid.~~

5. Appendices

- 0 List of modifications

Information document : 11.00R20 - 00

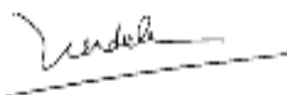
6. Statement of conformity

The information folder and the type described there comply with the requirements in the above mentioned regulation.

The test laboratory is designated for the above mentioned tests by the accreditation body of the RDW, Vehicle Technology and Information Centre, as the competent Administrative Department for the Netherlands; Designation No: RDW-99050014-06.

The test report comprises the pages 1 to 5 (including appendix 0) shall not be reproduced except in full without the written approval of the test laboratory.

Cologne, November 14, 2013
DT/NAV



Mr. D. Truong



Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **11.00R20**

List of modifications

Appendix 0

Correction of : Not applicable

Modification of : Not applicable

Addition of : Not applicable

Deletion of : Not applicable

APPLICATION FORM FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE FOR COMMERCIAL VEHICLES ACCORDING TO ECE REGULATION No: 54.00 SERIES OF AMENDMENTS

Approval No: E4-54R-0028287 Extension No.: 00

1.Manufacturer's name or trade mark on the type : DRC

2.Tyre type designation by the manufacturer : DRC D811

3.Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City,
Vietnam

4.If applicable name and address of Manufacturer's representative : NOT APPLICABLE

5.Size designation of tyre : 11.00R20

6.Category of use : NORMAL

7.Structure : RADIAL

8.Speed : K

9.Load-capacity index : Single 152 Twinned 149

10.Overall dimensions : Annex 5

10.1 Overall width : 286mm

on measuring rim : 8.00x20

10.2 Outer diameter : 1082 mm

10.3 Measuring / test pressure : 135 PSI (930 kPa)

11.Factor X : NOT APPLICABLE

12.Ply rating number for automobile derivative tyres : 18

13.Rims on which the tyre can be mounted : 8.00x20

14.Measuring rim and test rim : SEE ATTACHED TEST REPORT

15.State whether tyre is : TUBE TYPE

16.Submitted for approval on (date) : OCTOBER 30, 2013

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

MANUFACTURER'S STAMP



Signature

Name:

Nguyễn Mạnh Sơn

THIS APPLICATION IS ACCOMPANIED BY:

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



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



COMMUNICATION

Concerning ⁽¹⁾:

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

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

Approval number: E4-54R-0028287

Extension number: 00

Approval mark :



0028287

1. Manufacturer's name or trade mark(s) : DRC
on the tyre type
2. Tyre type designation by the manufacturer : DRC D811
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. If applicable, name and address of the manufacturer's representative : not applicable
5. Summarized description:
 - 5.1. Size of tyre : 11.00R20
 - 5.2. Category of use : normal/special/snow⁽¹⁾
 - 5.3. Structure : ~~diagonal(bias-ply)~~/radial⁽¹⁾

- 5.4. Speed category symbol:
- 5.4.1. nominal : K
- 5.4.2. additional (if applicable) : ---
- 5.5. Load-capacity indices:
- 5.5.1. Corresponding to nominal speed:
- single : 152
 - twinned (dual) : 149
- 5.5.2. Corresponding to additional speed:
- single : ---
 - twinned (dual) : ---
6. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
7. Date of report issued by that service : November 14, 2013
8. Number of report issued by that service : 01-R54-025/13
9. Reason(s) for extension (if applicable) : not applicable
10. Any remarks : not applicable
11. Place : Zoetermeer
12. Date :
13. Signature :
14. 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 8.

⁽¹⁾ Strike out what does not apply.

PARTIAL MODEL INFORMATION DOCUMENT NO. 11.00R20 - 00

**UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR
COMMERCIAL VEHICLES AND THEIR TRAILERS**

ECE-R54

including all amendments until

(Amendment 00, Supplement 18)

Type:

DRC D811

This model information document consists of pages 1 to 3

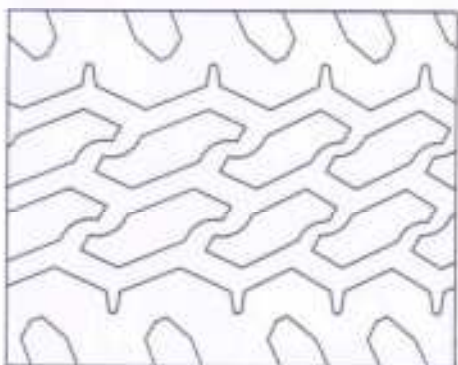
- | | | | |
|-------|---|---|--|
| 1. | Trade name or trade mark on the tyre | : | DRC |
| 2. | Tyre type designation by the manufacturer | : | DRC D811 |
| 3. | Manufacturer's name and address | : | DANANG RUBBER JOINT STOCK
COMPANY
01 Le Van Hien Street, Ngu Hanh Son
District, Da Nang City, Vietnam |
| 4. | Name and address of manufacturer's
representative | : | not applicable |
| 5. | Summarized description | | |
| 5.1 | Size designation | : | 11.00R20 |
| 5.2 | Category of use | : | normal/ snow /temporary use |
| 5.3 | Structure | : | diagonal /bias-belted/radial |
| 5.4 | Speed category symbol | | |
| 5.4.1 | nominal | : | K |
| 5.4.2 | additional(if applicable) | : | --- |
| 5.5 | Load capacity index | | |
| 5.5.1 | corresponding to nominal speed | : | single : 152 , twined(dual) : 149 |
| 5.5.2 | corresponding to additional speed | : | single : ---, twined(dual) : --- |
| 6. | Overall dimensions | : | Annex 5/ ETRTO /calculated/TRA |
| | - overall section width | : | 286 mm |
| | - outer diameter | : | 1082 mm |
| 7. | Factor "X" | : | not applicable |
| 8. | Ply-rating number for diagonal (bias ply) tyres | : | 18 |
| 9. | Rims on which the tyre can be mounted | : | 8.00x20 |
| 10. | Measuring rim and test rim | : | see attached test report |
| 11. | State whether the tyre is | : | tubeless /tube type |
| 12. | Inflation pressure and index for
measuring and testing | : | see attached test report |
| 13. | Submitted for approval on (date) | : | October 30, 2013 |

List of attachment:

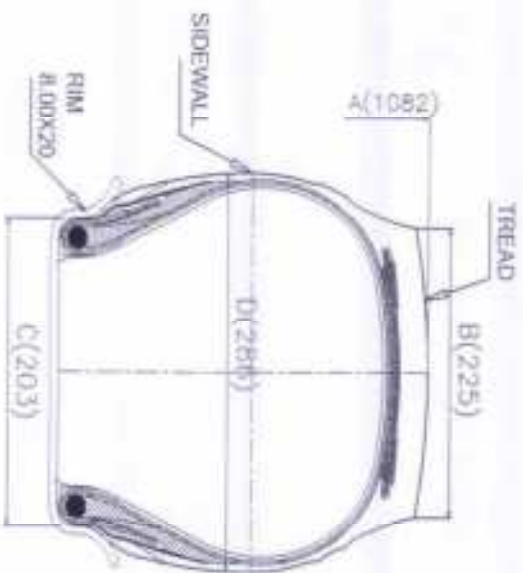
Detail for type DRC D811

Drawing No.01

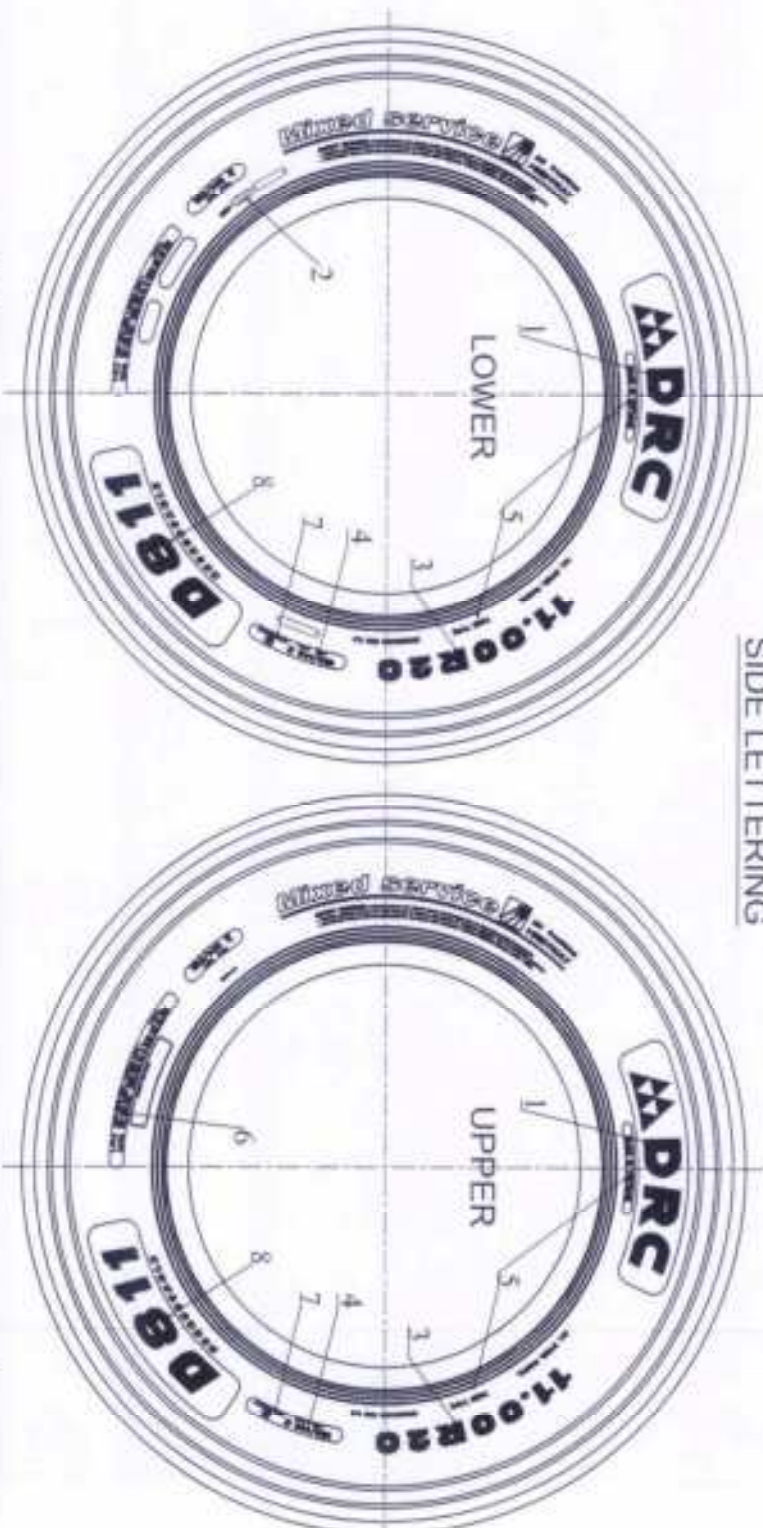
TREAD PATTERN



CROSS SECTION



SIDE LETTERING



8 D811 REGROOVABLE
 7 ECE approval mark & approval number
 Min 12mm

6 **MADE IN VIETNAM** TUBE TYPE
 5 **152/149 K** (E4)
 4 54R-0028287
 Min 12mm

3 11.00R20
 2 XXXX (DATE CODE) WORKER CODE
 1 DRC
 Min 9mm
 Min 4mm

11.00R20	152/149	K	TT	1082	225	203	286	16
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)	D (mm)	TREAD DEPTH (mm)

DATE 2013/10/30 DRAWN *Handwritten signature* CHECKED *Handwritten signature* APPROVED *Handwritten signature* DANANG RUBBER JOINT STOCK COMPANY





Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **11.00R20**

TEST REPORT

According to ECE-Regulation

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES AND THEIR TRAILERS

ECE-R54

including all amendments until

Amendment 00, Supplement 18

Previously granted	
ECE - system type approval	: E4-54R-0028287 ext.00

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 11.00R20

1. Markings

1.1. Trade mark : DRC
 1.2. Tread pattern : DRC D811
 1.3. Plies
 Tread : STEEL 4 PLIES
 Side wall : STEEL 1 PLY
 1.4. Size designation : 11.00R20
 1.5. Category of use : normal
 1.6. Structure : radial
 1.7. Speed category : nominal : K , supplementary: ---
 1.8. Load-Capacity Indices : single : 152 , twinned : 149
 corresponding to nominal speed
 corresponding to supplementary speed : single : ---, twinned : ---
 1.9. Index of inflation pressure for testing : 930 kPa
 1.10. Ply-rating number : 18
 1.11. Indication : tube type
 1.12. Regroovable : yes
 1.13. Date of manufacture : 3613

2. Measurement according to Annex 6

2.1. Measuring rim : 8.00 x 20
 2.2. Inflation pressure : 930 kPa
 2.3. Inflation pressure (readjusted before conditioning) : 930 kPa
 2.4. Duration of conditioning of mounted tyre pre-measuring : more than 24 hours
 at ambient room temperature
 2.5. Inflation pressure (readjusted after conditioning) : 930 kPa
 2.6. Overall width at six equally spaced points
 1. 288.0 mm 4. 288.0 mm
 2. 288.0 mm 5. 288.0 mm
 3. 287.0 mm 6. 287.0 mm
 Max.: 288.0 mm

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 11.00R20

2.7. Circumference : 3420 mm
 2.8. Outer diameter : 1088.6 mm

3. Load/speed performance test according to ANNEX 7

3.1. Test machine : Gao Xiao Control Technology Co. Ltd.
 Qingdao
 Model: GX-YLN-1212
 3.2. Diameter test drum : 1.7 m
 3.3. Test rim : 8.00 x 20
 3.4. Conditioning of mounted tyre pre-testing at test-room temperature : more than 3 hours
 3.5. Test-room temperature : 30.0 °C
 3.6. Inflation pressure (readjusted before conditioning) : 930 kPa
 3.7. Inflation pressure (readjusted after conditioning) : 930 kPa
 3.8. Circumference after conditioning, before testing : 3421 mm
 3.9. Outer diameter : 1088.9 mm
 3.10. Inflation pressure : 930 kPa
 3.11. Corresponding load (100 %) : 3550 kg

Step	Step-Duration	Total Duration	Actual speed	Load (single)	
	[h]	[h]	(min ⁻¹)	(%)	(kg)
1.	7	7	175	66	2343
2.	16	23	175	84	2982
3.	24	47	175	101	3586
3.12.	Conditioning after testing at test-room temperature		:	more than 6 hours	
3.13.	Inflation pressure		:	930 kPa	
3.14.	Circumference after conditioning, after testing		:	3440 mm	
3.15.	Outer diameter		:	1095.0 mm	
3.16.	Difference outer diameter before and after testing (max. 3.5 %)		:	6.1 mm 0.6 %	

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 11.00R20

4. General information

- 4.1. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
- 4.2. Technical service responsible for carrying out the tests : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
- 4.3. Test object received : not applicable
- 4.4. Test location : Test Center of DANANG RUBBER JOINT STOCK COMPANY
Lot G, Ta Quang Buu Street, Lien Chieu Industrial Zone, Lien Chieu District, Da Nang City, Vietnam
- 4.5. Test date : October 16, 2013
- 4.6. Remarks concerning tested object(s) : The results of the test refer exclusively to the object(s) mentioned under item 1.4. of this report.

~~The actual test of the tyre is not necessarily required due to the modifications mentioned in Appendix 0 and the previous test results are still valid.~~

5. Appendices

- 0 List of modifications

Information document : 11.00R20 - 00

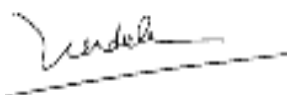
6. Statement of conformity

The information folder and the type described there comply with the requirements in the above mentioned regulation.

The test laboratory is designated for the above mentioned tests by the accreditation body of the RDW, Vehicle Technology and Information Centre, as the competent Administrative Department for the Netherlands; Designation No: RDW-99050014-06.

The test report comprises the pages 1 to 5 (including appendix 0) shall not be reproduced except in full without the written approval of the test laboratory.

Cologne, November 14, 2013
DT/NAV



Mr. D. Truong



Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **11.00R20**

List of modifications

Appendix 0

Correction of : Not applicable

Modification of : Not applicable

Addition of : Not applicable

Deletion of : Not applicable

APPLICATION FORM FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE FOR COMMERCIAL VEHICLES ACCORDING TO ECE REGULATION No: 54.00 SERIES OF AMENDMENTS

Approval No: E4-54R-0028288 Extension No.: 00
1.Manufacturer's name or trade mark on the type : DRC
2.Tyre type designation by the manufacturer : DRC D911
3.Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City,
Vietnam
4.If applicable name and address of
Manufacturer's representative : NOT APPLICABLE
5.Size designation of tyre : 11.00R20
6.Category of use : NORMAL
7.Structure : RADIAL
8.Speed : F
9.Load-capacity index : Single 152 Twinned 149
10.Overall dimensions : Annex 5
10.1 Overall width : 286mm
on measuring rim : 8.00x20
10.2 Outer diameter : 1082 mm
10.3 Measuring / test pressure : 135 PSI (930 kPa)
11.Factor X : NOT APPLICABLE
12.Ply rating number for automobile derivative tyres : 18
13.Rims on which the tyre can be mounted : 8.00x20
14.Measuring rim and test rim : SEE ATTACHED TEST REPORT
15.State whether tyre is : TUBE TYPE
16.Submitted for approval on (date) : OCTOBER 30, 2013

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

MANUFACTURER'S STAMP



Signature

Name:

Nguyễn Mạnh Sơn

THIS APPLICATION IS ACCOMPANIED BY:

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



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



COMMUNICATION

Concerning ⁽¹⁾:

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

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

Approval number: E4-54R-0028288

Extension number: 00

Approval mark :



0028288

1. Manufacturer's name or trade mark(s) : DRC
on the tyre type
2. Tyre type designation by the manufacturer : DRC D911
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. If applicable, name and address of the manufacturer's representative : not applicable
5. Summarized description:
 - 5.1. Size of tyre : 11.00R20
 - 5.2. Category of use : normal/special/snow⁽¹⁾
 - 5.3. Structure : ~~diagonal(bias-ply)~~/radial⁽¹⁾

- 5.4. Speed category symbol:
- 5.4.1. nominal : F
- 5.4.2. additional (if applicable) : ---
- 5.5. Load-capacity indices:
- 5.5.1. Corresponding to nominal speed:
- single : 152
 - twinned (dual) : 149
- 5.5.2. Corresponding to additional speed:
- single : ---
 - twinned (dual) : ---
6. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
7. Date of report issued by that service : November 14, 2013
8. Number of report issued by that service : 01-R54-026/13
9. Reason(s) for extension (if applicable) : not applicable
10. Any remarks : not applicable
11. Place : Zoetermeer
12. Date :
13. Signature :
14. 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 8.

⁽¹⁾ Strike out what does not apply.

PARTIAL MODEL INFORMATION DOCUMENT NO. 11.00R20 - 00

**UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR
COMMERCIAL VEHICLES AND THEIR TRAILERS**

ECE-R54

including all amendments until

(Amendment 00, Supplement 18)

Type:

DRC D911

This model information document consists of pages 1 to 3

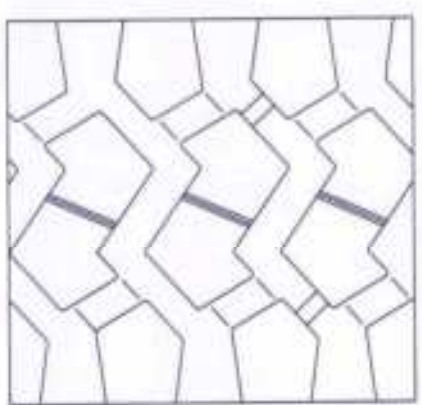
- | | | | |
|-------|--|---|--|
| 1. | Trade name or trade mark on the tyre | : | DRC |
| 2. | Tyre type designation by the manufacturer | : | DRC D911 |
| 3. | Manufacturer's name and address | : | DANANG RUBBER JOINT STOCK
COMPANY
01 Le Van Hien Street, Ngu Hanh Son
District, Da Nang City, Vietnam |
| 4. | Name and address of manufacturer's representative | : | not applicable |
| 5. | Summarized description | | |
| 5.1 | Size designation | : | 11.00R20 |
| 5.2 | Category of use | : | normal/ snow /temporary use |
| 5.3 | Structure | : | diagonal/bias -belted/radial |
| 5.4 | Speed category symbol | | |
| 5.4.1 | nominal | : | F |
| 5.4.2 | additional(if applicable) | : | --- |
| 5.5 | Load capacity index | | |
| 5.5.1 | corresponding to nominal speed | : | single : 152 , twined(dual) : 149 |
| 5.5.2 | corresponding to additional speed | : | single : ---, twined(dual) : --- |
| 6. | Overall dimensions | : | Annex 5/ ETRTO/calculated /TRA |
| | - overall section width | : | 286 mm |
| | - outer diameter | : | 1082 mm |
| 7. | Factor "X" | : | not applicable |
| 8. | Ply-rating number for diagonal (bias ply) tyres | : | 18 |
| 9. | Rims on which the tyre can be mounted | : | 8.00x20 |
| 10. | Measuring rim and test rim | : | see attached test report |
| 11. | State whether the tyre is | : | tubeless /tube type |
| 12. | Inflation pressure and index for measuring and testing | : | see attached test report |
| 13. | Submitted for approval on (date) | : | October 30, 2013 |

List of attachment:

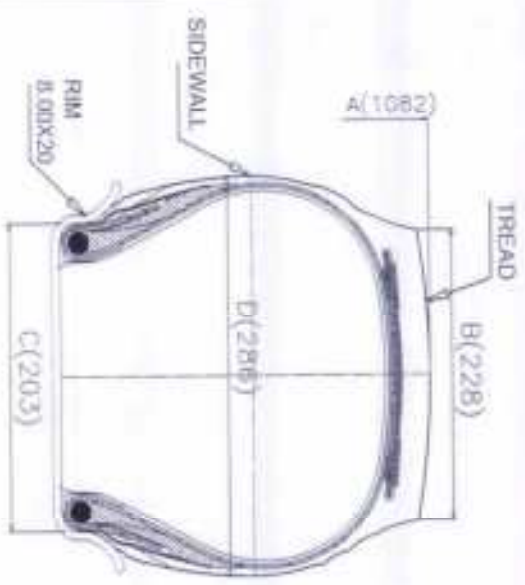
Detail for type DRC D911

Drawing No.01

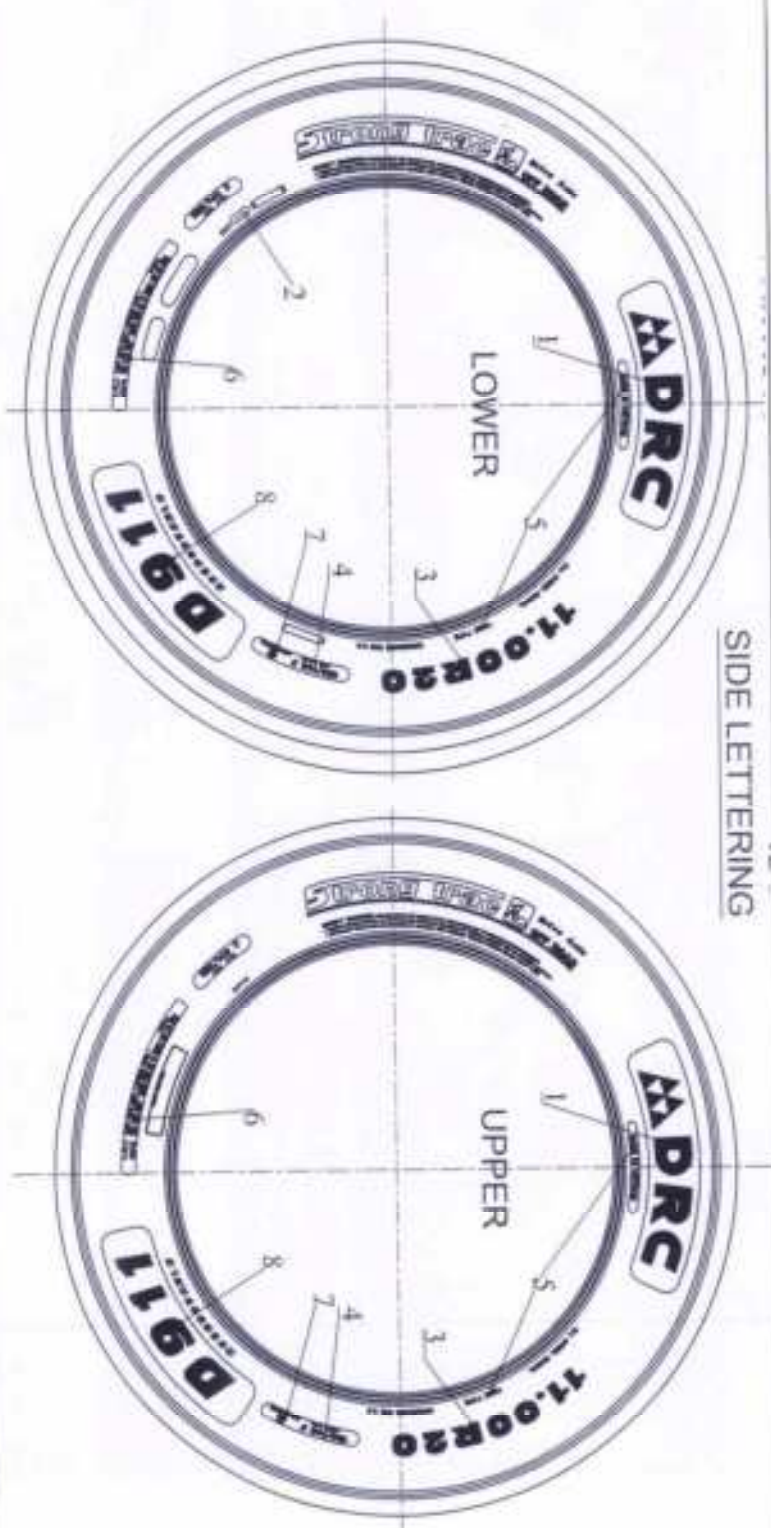
TREAD PATTERN



CROSS SECTION



SIDE LETTERING



8	D911	REGROOVABLE	
7	ECE approval mark & approval number		Min 12mm
6			
5	MADE IN VIETNAM	TUBE TYPE	Min 4mm
4			
3	11.00R20		Min 9mm
2	XXXX (DATE CODE) WORKER CODE		Min 4mm
1	DRC		

11.00R20	152/149	F	TT	1082	228	203	286	24
TIRE SIZE	LOAD INDEX	SPHED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)	D (mm)	TREAD (mm) DEPTH

DATE 2013/10/30 DRAWN *thuy* CHECKED *thuy* APPROVED *thuy* DANANG RUBBER JOINT STOCK COMPANY



Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **11.00R20**

TEST REPORT

According to ECE-Regulation

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES AND THEIR TRAILERS

ECE-R54

including all amendments until

Amendment 00, Supplement 18

Previously granted	
ECE - system type approval	: E4-54R-0028288 ext.00

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 11.00R20

1. Markings

- 1.1. Trade mark : DRC
- 1.2. Tread pattern : DRC D911
- 1.3. Plies
- Tread : STEEL 4 PLIES
- Side wall : STEEL 1 PLY
- 1.4. Size designation : 11.00R20
- 1.5. Category of use : normal
- 1.6. Structure : radial
- 1.7. Speed category : nominal : F , supplementary: ---
- 1.8. Load-Capacity Indices : single : 152 , twinned : 149
 corresponding to nominal speed
 corresponding to supplementary speed : single : ---, twinned : ---
- 1.9. Index of inflation pressure for testing : 930 kPa
- 1.10. Ply-rating number : 18
- 1.11. Indication : tube type
- 1.12. Regroovable : yes
- 1.13. Date of manufacture : 3613

2. Measurement according to Annex 6

- 2.1. Measuring rim : 8.00 x 20
- 2.2. Inflation pressure : 930 kPa
- 2.3. Inflation pressure (readjusted before conditioning) : 930 kPa
- 2.4. Duration of conditioning of mounted tyre pre-measuring : more than 24 hours
 at ambient room temperature
- 2.5. Inflation pressure (readjusted after conditioning) : 930 kPa
- 2.6. Overall width at six equally spaced points
- | | |
|-------------|-------------|
| 1. 294.0 mm | 4. 294.0 mm |
| 2. 293.0 mm | 5. 294.0 mm |
| 3. 293.0 mm | 6. 294.0 mm |
- Max.: 294.0 mm

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 11.00R20

2.7. Circumference : 3470 mm
 2.8. Outer diameter : 1104.5 mm

3. Load/speed performance test according to ANNEX 7

3.1. Test machine : Gao Xiao Control Technology Co. Ltd.
 Qingdao
 Model: GX-YLN-1212
 3.2. Diameter test drum : 1.7 m
 3.3. Test rim : 8.00 x 20
 3.4. Conditioning of mounted tyre pre-testing at test-room temperature : more than 3 hours
 3.5. Test-room temperature : 30.0 °C
 3.6. Inflation pressure (readjusted before conditioning) : 930 kPa
 3.7. Inflation pressure (readjusted after conditioning) : 930 kPa
 3.8. Circumference after conditioning, before testing : 3474 mm
 3.9. Outer diameter : 1105.8 mm
 3.10. Inflation pressure : 930 kPa
 3.11. Corresponding load (100 %) : 3550 kg

Step	Step-Duration	Total Duration	Actual speed	Load (single)	
	[h]	[h]	(min ⁻¹)	(%)	(kg)
1.	7	7	100	66	2343
2.	16	23	100	84	2982
3.	24	47	100	101	3586
3.12.	Conditioning after testing at test-room temperature		: more than 6 hours		
3.13.	Inflation pressure		: 930 kPa		
3.14.	Circumference after conditioning, after testing		: 3485 mm		
3.15.	Outer diameter		: 1109.3 mm		
3.16.	Difference outer diameter before and after testing (max. 3.5 %)		: 3.5 mm : 0.3 %		

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 11.00R20

4. General information

- 4.1. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
- 4.2. Technical service responsible for carrying out the tests : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
- 4.3. Test object received : not applicable
- 4.4. Test location : Test Center of DANANG RUBBER JOINT STOCK COMPANY
Lot G, Ta Quang Buu Street, Lien Chieu Industrial Zone, Lien Chieu District, Da Nang City, Vietnam
- 4.5. Test date : October 08, 2013
- 4.6. Remarks concerning tested object(s) : The results of the test refer exclusively to the object(s) mentioned under item 1.4. of this report.

~~The actual test of the tyre is not necessarily required due to the modifications mentioned in Appendix 0 and the previous test results are still valid.~~

5. Appendices

- 0 List of modifications

Information document : 11.00R20 - 00

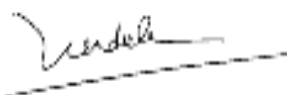
6. Statement of conformity

The information folder and the type described there comply with the requirements in the above mentioned regulation.

The test laboratory is designated for the above mentioned tests by the accreditation body of the RDW, Vehicle Technology and Information Centre, as the competent Administrative Department for the Netherlands; Designation No: RDW-99050014-06.

The test report comprises the pages 1 to 5 (including appendix 0) shall not be reproduced except in full without the written approval of the test laboratory.

Cologne, November 14, 2013
DT/NAV



Mr. D. Truong



Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **11.00R20**

List of modifications

Appendix 0

Correction of : Not applicable

Modification of : Not applicable

Addition of : Not applicable

Deletion of : Not applicable

APPLICATION FORM FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE FOR COMMERCIAL VEHICLES ACCORDING TO ECE REGULATION No: 54.00 SERIES OF AMENDMENTS

Approval No: E4-54R-0028289 Extension No.: 00

1. Manufacturer's name or trade mark on the type : DRC

2. Tyre type designation by the manufacturer : DRC D821

3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
 01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam

4. If applicable name and address of Manufacturer's representative : NOT APPLICABLE

5. Size designation of tyre : 12.00R20

6. Category of use : NORMAL

7. Structure : RADIAL

8. Speed : K

9. Load-capacity index : Single 156 Twinned 153

10. Overall dimensions : Annex 5

10.1 Overall width : 313mm

on measuring rim : 8.50x20

10.2 Outer diameter : 1122 mm

10.3 Measuring / test pressure : 131 PSI (900 kPa)

11. Factor X : NOT APPLICABLE

12. Ply rating number for automobile derivative tyres : 20

13. Rims on which the tyre can be mounted : 8.50x20

14. Measuring rim and test rim : SEE ATTACHED TEST REPORT

15. State whether tyre is : TUBE TYPE

16. Submitted for approval on (date) : OCTOBER 30, 2013

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

MANUFACTURER'S STAMP



Signature:

Name:

Nguyễn Mạnh Sơn

THIS APPLICATION IS ACCOMPANIED BY:

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



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



COMMUNICATION

Concerning ⁽¹⁾:

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

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

Approval number: E4-54R-0028289

Extension number: 00

Approval mark :



0028289

1. Manufacturer's name or trade mark(s) : DRC
on the tyre type
2. Tyre type designation by the manufacturer : DRC D821
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. If applicable, name and address of the manufacturer's representative : not applicable
5. Summarized description:
 - 5.1. Size of tyre : 12.00R20
 - 5.2. Category of use : normal/special/snow⁽¹⁾
 - 5.3. Structure : ~~diagonal(bias-ply)~~/radial⁽¹⁾

- 5.4. Speed category symbol:
- 5.4.1. nominal : K
- 5.4.2. additional (if applicable) : ---
- 5.5. Load-capacity indices:
- 5.5.1. Corresponding to nominal speed:
- single : 156
 - twinned (dual) : 153
- 5.5.2. Corresponding to additional speed:
- single : ---
 - twinned (dual) : ---
6. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
7. Date of report issued by that service : November 14, 2013
8. Number of report issued by that service : 01-R54-027/13
9. Reason(s) for extension (if applicable) : not applicable
10. Any remarks : not applicable
11. Place : Zoetermeer
12. Date :
13. Signature :
14. 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 8.

⁽¹⁾ Strike out what does not apply.

PARTIAL MODEL INFORMATION DOCUMENT NO. 12.00R20 - 00

**UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR
COMMERCIAL VEHICLES AND THEIR TRAILERS**

ECE-R54

including all amendments until

(Amendment 00, Supplement 18)

Type:

DRC D821

This model information document consists of pages 1 to 3

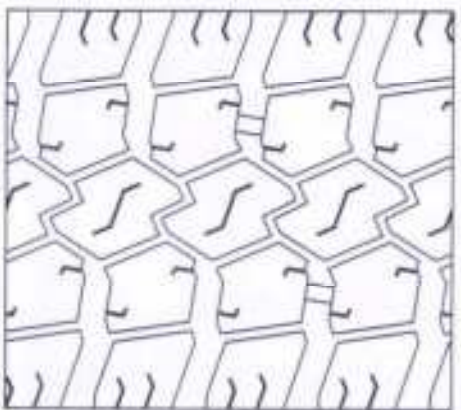
- | | | | |
|-------|---|---|--|
| 1. | Trade name or trade mark on the tyre | : | DRC |
| 2. | Tyre type designation by the manufacturer | : | DRC D821 |
| 3. | Manufacturer's name and address | : | DANANG RUBBER JOINT STOCK
COMPANY
01 Le Van Hien Street, Ngu Hanh Son
District, Da Nang City, Vietnam |
| 4. | Name and address of manufacturer's
representative | : | not applicable |
| 5. | Summarized description | | |
| 5.1 | Size designation | : | 12.00R20 |
| 5.2 | Category of use | : | normal/ snow /temporary use |
| 5.3 | Structure | : | diagonal/bias -belted/radial |
| 5.4 | Speed category symbol | | |
| 5.4.1 | nominal | : | K |
| 5.4.2 | additional(if applicable) | : | --- |
| 5.5 | Load capacity index | | |
| 5.5.1 | corresponding to nominal speed | : | single : 156 , twined(dual) : 153 |
| 5.5.2 | corresponding to additional speed | : | single : ---, twined(dual) : --- |
| 6. | Overall dimensions | : | Annex 5/ ETRTO/calculated /TRA |
| | - overall section width | : | 313 mm |
| | - outer diameter | : | 1122 mm |
| 7. | Factor "X" | : | not applicable |
| 8. | Ply-rating number for diagonal (bias ply) tyres | : | 20 |
| 9. | Rims on which the tyre can be mounted | : | 8.50x20 |
| 10. | Measuring rim and test rim | : | see attached test report |
| 11. | State whether the tyre is | : | tubeless /tube type |
| 12. | Inflation pressure and index for
measuring and testing | : | see attached test report |
| 13. | Submitted for approval on (date) | : | October 30, 2013 |

List of attachment:

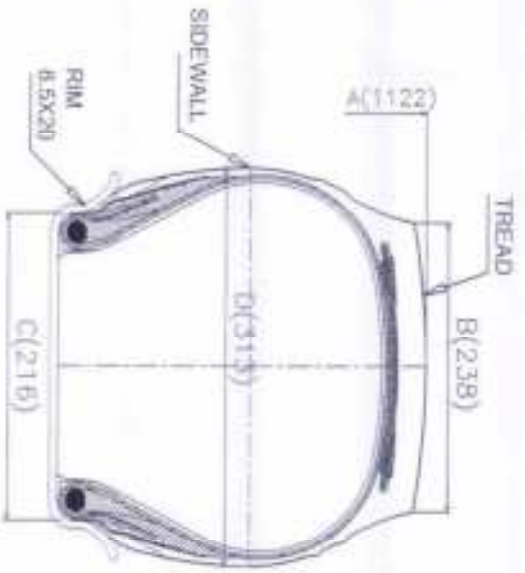
Detail for type DRC D821

Drawing No.01

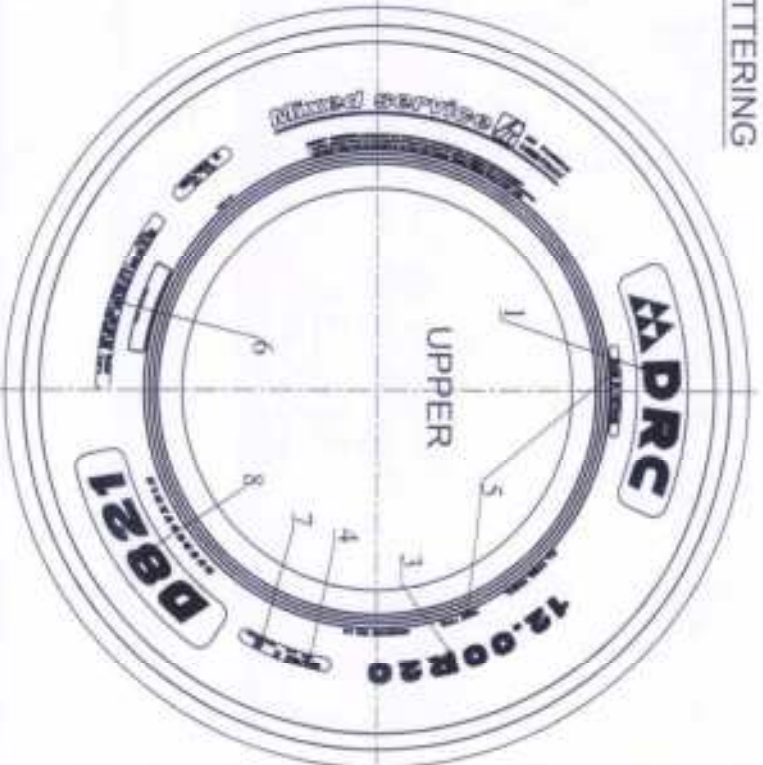
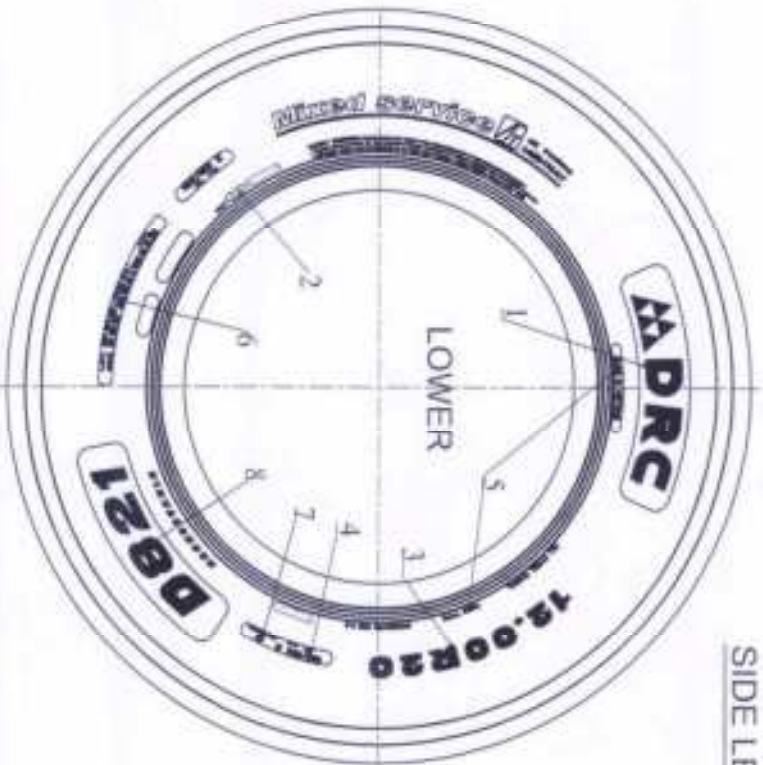
TREAD PATTERN



CROSS SECTION



SIDE LETTERING



DATE | 2013/10/30 | DRAWN | *HN* | CHECKED | *HN* | APPROVED | *HN* | DANANG RUBBER JOINT STOCK COMPANY

8	D821	REGROOVABLE						
7	ECE approval mark & approval number							Min 12mm
6								
5	MADE IN VIETNAM	TUBE TYPE						Min 4mm
4	153/153 K							Min 12mm
3	12.00R20							Min 9mm
2	XXXX (DATE CODE)	WORKER CODE						Min 4mm
1	DRC							
12.00R20	156/153	TT	1122	238	216	313		19
TIRE SIZE	LOAD INDEX	SPEED TYPE	A (mm)	B (mm)	C (mm)	D (mm)		TREAD DEPTH





Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **12.00R20**

TEST REPORT

According to ECE-Regulation

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES AND THEIR TRAILERS

ECE-R54

including all amendments until

Amendment 00, Supplement 18

Previously granted	
ECE - system type approval	: E4-54R-0028289 ext.00

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 12.00R20

1. Markings

1.1.	Trade mark	:	DRC
1.2.	Tread pattern	:	DRC D821
1.3.	Plies		
	Tread	:	STEEL 4 PLIES
	Side wall	:	STEEL 1 PLY
1.4.	Size designation	:	12.00R20
1.5.	Category of use	:	normal
1.6.	Structure	:	radial
1.7.	Speed category	:	nominal : K , supplementary: ---
1.8.	Load-Capacity Indices	:	single : 156 , twinned : 153
	corresponding to nominal speed		
	corresponding to supplementary speed		single : ---, twinned : ---
1.9.	Index of inflation pressure for testing	:	900 kPa
1.10.	Ply-rating number	:	20
1.11.	Indication	:	tube type
1.12.	Regroovable	:	yes
1.13.	Date of manufacture	:	3913

2. Measurement according to Annex 6

2.1.	Measuring rim	:	8.50 x 20	
2.2.	Inflation pressure	:	900 kPa	
2.3.	Inflation pressure (readjusted before conditioning)	:	900 kPa	
2.4.	Duration of conditioning of mounted tyre pre-measuring at ambient room temperature	:	more than 24 hours	
2.5.	Inflation pressure (readjusted after conditioning)	:	900 kPa	
2.6.	Overall width at six equally spaced points			
	1.	307.0 mm	4.	305.0 mm
	2.	306.0 mm	5.	306.0 mm
	3.	307.0 mm	6.	307.0 mm
	Max.:	307.0 mm		

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 12.00R20

2.7. Circumference : 3545 mm
 2.8. Outer diameter : 1128.4 mm

3. Load/speed performance test according to ANNEX 7

3.1. Test machine : Gao Xiao Control Technology Co. Ltd.
 Qingdao
 Model: GX-YLN-1212
 3.2. Diameter test drum : 1.7 m
 3.3. Test rim : 8.50 x 20
 3.4. Conditioning of mounted tyre pre-testing at test-room temperature : more than 3 hours
 3.5. Test-room temperature : 30.0 °C
 3.6. Inflation pressure (readjusted before conditioning) : 900 kPa
 3.7. Inflation pressure (readjusted after conditioning) : 900 kPa
 3.8. Circumference after conditioning, before testing : 3545 mm
 3.9. Outer diameter : 1128.4 mm
 3.10. Inflation pressure : 900 kPa
 3.11. Corresponding load (100 %) : 4000 kg

Step	Step-Duration	Total Duration	Actual speed	Load (single)	
	[h]	[h]	(min ⁻¹)	(%)	(kg)
1.	7	7	175	66	2646
2.	16	23	175	84	3360
3.	24	47	175	101	4040
3.12.	Conditioning after testing at test-room temperature : more than 6 hours				
3.13.	Inflation pressure : 900 kPa				
3.14.	Circumference after conditioning, after testing : 3562 mm				
3.15.	Outer diameter : 1133.8 mm				
3.16.	Difference outer diameter before and after testing : 5.4 mm (max. 3.5 %) : 0.5 %				

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
 Type Size designation : 12.00R20

4. General information

- 4.1. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
 01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
- 4.2. Technical service responsible for carrying out the tests : TÜV Rheinland Kraftfahrt GmbH
 Technologiezentrum Verkehrssicherheit
 Am Grauen Stein
 D-51105 Köln (Poll)
- 4.3. Test object received : not applicable
- 4.4. Test location : Test Center of DANANG RUBBER JOINT STOCK COMPANY
 Lot G, Ta Quang Buu Street, Lien Chieu Industrial Zone, Lien Chieu District, Da Nang City, Vietnam
- 4.5. Test date : October 05, 2013
- 4.6. Remarks concerning tested object(s) : The results of the test refer exclusively to the object(s) mentioned under item 1.4. of this report.

~~The actual test of the tyre is not necessarily required due to the modifications mentioned in Appendix 0 and the previous test results are still valid.~~

5. Appendices

- 0 List of modifications

Information document : 12.00R20 - 00

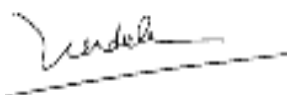
6. Statement of conformity

The information folder and the type described there comply with the requirements in the above mentioned regulation.

The test laboratory is designated for the above mentioned tests by the accreditation body of the RDW, Vehicle Technology and Information Centre, as the competent Administrative Department for the Netherlands; Designation No: RDW-99050014-06.

The test report comprises the pages 1 to 5 (including appendix 0) shall not be reproduced except in full without the written approval of the test laboratory.

Cologne, November 14, 2013
 DT/NAV



Mr. D. Truong



Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **12.00R20**

List of modifications

Appendix 0

Correction of : Not applicable

Modification of : Not applicable

Addition of : Not applicable

Deletion of : Not applicable



DANANG RUBBER JOINT STOCK COMPANY

TEL : 84-511-3847408 FAX : 84-511-3836195

E-mail : drc@dng.vnn.vn

APPLICATION FORM FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE FOR COMMERCIAL VEHICLES ACCORDING TO ECE REGULATION No: 54.00 SERIES OF AMENDMENTS

Approval No: E4-54R-0028290 Extension No.: 00

1.Manufacturer's name or trade mark on the type : DRC

2.Tyre type designation by the manufacturer : DRC D911

3.Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam

4.If applicable name and address of Manufacturer's representative : NOT APPLICABLE

5.Size designation of tyre : 12.00R20

6.Category of use : NORMAL

7.Structure : RADIAL

8.Speed : F

9.Load-capacity index : Single 156 Twinned 153

10.Overall dimensions : Annex 5

10.1 Overall width : 313mm

on measuring rim : 8.50x20

10.2 Outer diameter : 1122 mm

10.3 Measuring / test pressure : 131 PSI (900 kPa)

11.Factor X : NOT APPLICABLE

12.Ply rating number for automobile derivative tyres : 20

13.Rims on which the tyre can be mounted : 8.50x20

14.Measuring rim and test rim : SEE ATTACHED TEST REPORT

15.State whether tyre is : TUBE TYPE

16.Submitted for approval on (date) : OCTOBER 30, 2013

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

MANUFACTURER'S STAMP



Signature:

Name:

Nguyễn Mạnh Sơn

THIS APPLICATION IS ACCOMPANIED BY:

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



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



COMMUNICATION

Concerning ⁽¹⁾:

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

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

Approval number: E4-54R-0028290

Extension number: 00

Approval mark :



0028290

1. Manufacturer's name or trade mark(s) : DRC
on the tyre type
2. Tyre type designation by the manufacturer : DRC D911
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. If applicable, name and address of the manufacturer's representative : not applicable
5. Summarized description:
 - 5.1. Size of tyre : 12.00R20
 - 5.2. Category of use : normal/special/snow⁽¹⁾
 - 5.3. Structure : ~~diagonal(bias-ply)~~/radial⁽¹⁾

- 5.4. Speed category symbol:
- 5.4.1. nominal : F
- 5.4.2. additional (if applicable) : ---
- 5.5. Load-capacity indices:
- 5.5.1. Corresponding to nominal speed:
- single : 156
 - twinned (dual) : 153
- 5.5.2. Corresponding to additional speed:
- single : ---
 - twinned (dual) : ---
6. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
7. Date of report issued by that service : November 14, 2013
8. Number of report issued by that service : 01-R54-028/13
9. Reason(s) for extension (if applicable) : not applicable
10. Any remarks : not applicable
11. Place : Zoetermeer
12. Date :
13. Signature :
14. 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 8.

⁽¹⁾ Strike out what does not apply.

PARTIAL MODEL INFORMATION DOCUMENT NO. 12.00R20 - 00

**UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR
COMMERCIAL VEHICLES AND THEIR TRAILERS**

ECE-R54

including all amendments until

(Amendment 00, Supplement 18)

Type:

DRC D911

This model information document consists of pages 1 to 3

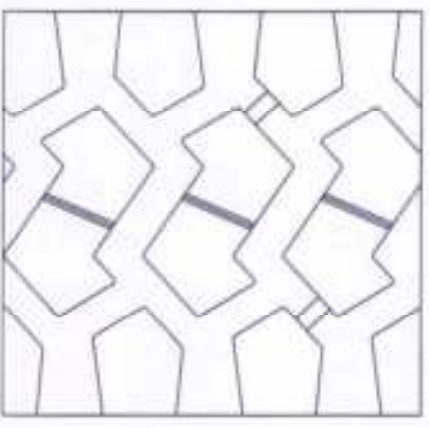
1. Trade name or trade mark on the tyre : DRC
2. Tyre type designation by the manufacturer : DRC D911
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK
COMPANY
01 Le Van Hien Street, Ngu Hanh Son
District, Da Nang City, Vietnam
4. Name and address of manufacturer's
representative : not applicable
5. Summarized description
 - 5.1 Size designation : 12.00R20
 - 5.2 Category of use : normal/~~snow~~/temporary use
 - 5.3 Structure : ~~diagonal/bias-belted~~/radial
 - 5.4 Speed category symbol
 - 5.4.1 nominal : F
 - 5.4.2 additional(if applicable) : ---
 - 5.5 Load capacity index
 - 5.5.1 corresponding to nominal speed : single : 156 , twined(dual) : 153
 - 5.5.2 corresponding to additional speed : single : ---, twined(dual) : ---
6. Overall dimensions : Annex 5/~~ETRTO/calculated~~/TRA
 - overall section width : 313 mm
 - outer diameter : 1122 mm
7. Factor "X" : not applicable
8. Ply-rating number for diagonal (bias ply) tyres : 20
9. Rims on which the tyre can be mounted : 8.50x20
10. Measuring rim and test rim : see attached test report
11. State whether the tyre is : ~~tubeless~~/tube type
12. Inflation pressure and index for
measuring and testing : see attached test report
13. Submitted for approval on (date) : October 30, 2013

List of attachment:

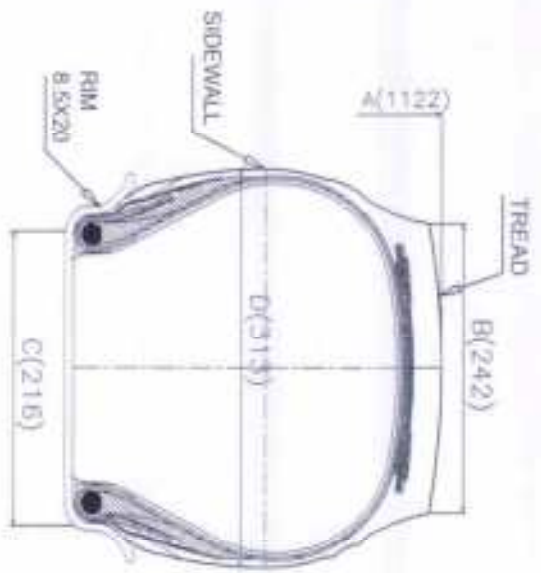
Detail for type DRC D911

Drawing No.01

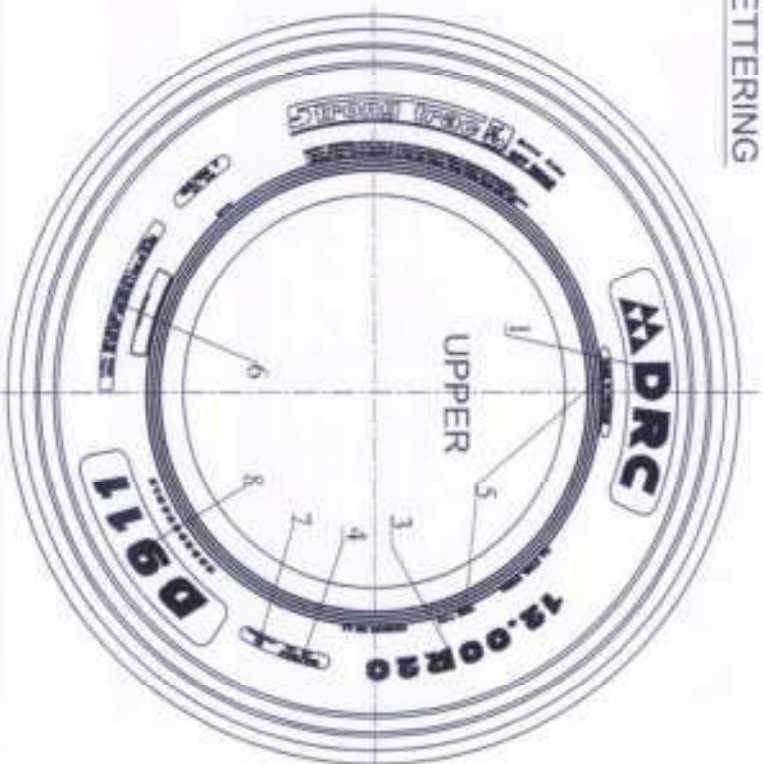
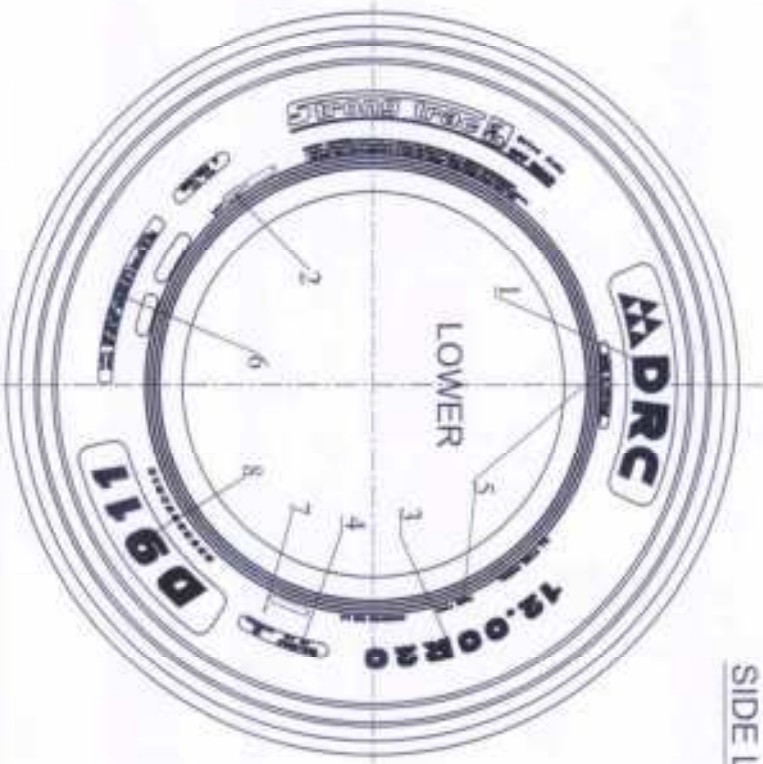
TREAD PATTERN



CROSS SECTION



SIDE LETTERING

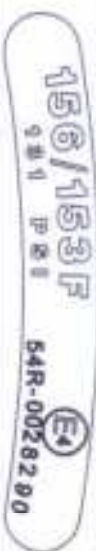


8 D911 REGROOVABLE

7 ECE approval mark & approval number



5 MADE IN VIETNAM TUBE TYPE



3 12.00R20
2 XXXX (DATE CODE) WORKER CODE
1 DRC

12.00R20	156/153 F	TT	1122	242	216	313	24.5
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)	D (mm)
							TREAD DEPTH

DATE 2013/10/30 DRAWN *trung* CHECKED *Nguyen* APPROVED *Nguyen* DANANG RUBBER JOINT STOCK COMPANY





Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **12.00R20**

TEST REPORT

According to ECE-Regulation

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES AND THEIR TRAILERS

ECE-R54

including all amendments until

Amendment 00, Supplement 18

Previously granted	
ECE - system type approval	: E4-54R-0028290 ext.00

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 12.00R20

1. Markings

- 1.1. Trade mark : DRC
- 1.2. Tread pattern : DRC D911
- 1.3. Plies
- Tread : STEEL 4 PLIES
- Side wall : STEEL 1 PLY
- 1.4. Size designation : 12.00R20
- 1.5. Category of use : normal
- 1.6. Structure : radial
- 1.7. Speed category : nominal : F , supplementary: ---
- 1.8. Load-Capacity Indices : single : 156 , twinned : 153
 corresponding to nominal speed
 corresponding to supplementary speed : single : ---, twinned : ---
- 1.9. Index of inflation pressure for testing : 900 kPa
- 1.10. Ply-rating number : 20
- 1.11. Indication : tube type
- 1.12. Regroovable : yes
- 1.13. Date of manufacture : 3813

2. Measurement according to Annex 6

- 2.1. Measuring rim : 8.50 x 20
- 2.2. Inflation pressure : 900 kPa
- 2.3. Inflation pressure (readjusted before conditioning) : 900 kPa
- 2.4. Duration of conditioning of mounted tyre pre-measuring : more than 24 hours
 at ambient room temperature
- 2.5. Inflation pressure (readjusted after conditioning) : 900 kPa
- 2.6. Overall width at six equally spaced points
- | | |
|-------------|-------------|
| 1. 306.0 mm | 4. 306.0 mm |
| 2. 308.0 mm | 5. 307.0 mm |
| 3. 308.0 mm | 6. 307.0 mm |
- Max.: 308.0 mm

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 12.00R20

2.7. Circumference : 3586 mm
 2.8. Outer diameter : 1141.5 mm

3. Load/speed performance test according to ANNEX 7

3.1. Test machine : Gao Xiao Control Technology Co. Ltd.
 Qingdao
 Model: GX-YLN-1212
 3.2. Diameter test drum : 1.7 m
 3.3. Test rim : 8.50 x 20
 3.4. Conditioning of mounted tyre pre-testing at test-room temperature : more than 3 hours
 3.5. Test-room temperature : 30.0 °C
 3.6. Inflation pressure (readjusted before conditioning) : 900 kPa
 3.7. Inflation pressure (readjusted after conditioning) : 900 kPa
 3.8. Circumference after conditioning, before testing : 3586 mm
 3.9. Outer diameter : 1141.5 mm
 3.10. Inflation pressure : 900 kPa
 3.11. Corresponding load (100 %) : 4000 kg

Step	Step-Duration	Total Duration	Actual speed	Load (single)	
	[h]	[h]	(min ⁻¹)	(%)	(kg)
1.	7	7	100	66	2646
2.	16	23	100	84	3360
3.	24	47	100	101	4040
3.12.	Conditioning after testing at test-room temperature		:	more than 6 hours	
3.13.	Inflation pressure		:	900 kPa	
3.14.	Circumference after conditioning, after testing		:	3604 mm	
3.15.	Outer diameter		:	1147.2 mm	
3.16.	Difference outer diameter before and after testing (max. 3.5 %)		:	5.7 mm 0.5 %	

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
 Type Size designation : 12.00R20

4. General information

- 4.1. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
 01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
- 4.2. Technical service responsible for carrying out the tests : TÜV Rheinland Kraftfahrt GmbH
 Technologiezentrum Verkehrssicherheit
 Am Grauen Stein
 D-51105 Köln (Poll)
- 4.3. Test object received : not applicable
- 4.4. Test location : Test Center of DANANG RUBBER JOINT STOCK COMPANY
 Lot G, Ta Quang Buu Street, Lien Chieu Industrial Zone, Lien Chieu District, Da Nang City, Vietnam
- 4.5. Test date : October 12, 2013
- 4.6. Remarks concerning tested object(s) : The results of the test refer exclusively to the object(s) mentioned under item 1.4. of this report.

~~The actual test of the tyre is not necessarily required due to the modifications mentioned in Appendix 0 and the previous test results are still valid.~~

5. Appendices

- 0 List of modifications

Information document : 12.00R20 - 00

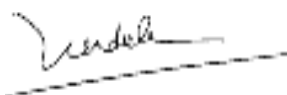
6. Statement of conformity

The information folder and the type described there comply with the requirements in the above mentioned regulation.

The test laboratory is designated for the above mentioned tests by the accreditation body of the RDW, Vehicle Technology and Information Centre, as the competent Administrative Department for the Netherlands; Designation No: RDW-99050014-06.

The test report comprises the pages 1 to 5 (including appendix 0) shall not be reproduced except in full without the written approval of the test laboratory.

Cologne, November 14, 2013
 DT/NAV



Mr. D. Truong



Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **12.00R20**

List of modifications

Appendix 0

Correction of : Not applicable

Modification of : Not applicable

Addition of : Not applicable

Deletion of : Not applicable



DANANG RUBBER JOINT STOCK COMPANY

TEL : 84-511-3847408 FAX : 84-511-3836195

E-mail : drc@dng.vnn.vn

APPLICATION FORM FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE FOR COMMERCIAL VEHICLES ACCORDING TO ECE REGULATION No: 54.00 SERIES OF AMENDMENTS

Approval No: E4-54R-0028291 Extension No.: 00

1.Manufacturer's name or trade mark on the type : DRC

2.Tyre type designation by the manufacturer : DRC D711

3.Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam

4.If applicable name and address of Manufacturer's representative : NOT APPLICABLE

5.Size designation of tyre : 385/65R22.5

6.Category of use : NORMAL

7.Structure : RADIAL

8.Speed : K

9.Load-capacity index : 160

10.Overall dimensions : ETRTO

10.1 Overall width : 389mm

on measuring rim : 11.75x22.5

10.2 Outer diameter : 1072 mm

10.3 Measuring / test pressure : 129 PSI (900 kPa)

11.Factor X : NOT APPLICABLE

12.Ply rating number for automobile derivative tyres : 20

13.Rims on which the tyre can be mounted : 11.75x22.5

14.Measuring rim and test rim : SEE ATTACHED TEST REPORT

15.State whether tyre is : TUBELESS

16.Submitted for approval on (date) : OCTOBER 30, 2013

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

MANUFACTURER'S STAMP



Signature:

Name:

Đinh Ngọc Đạm

THIS APPLICATION IS ACCOMPANIED BY:

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



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



COMMUNICATION

Concerning ⁽¹⁾:

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

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

Approval number: E4-54R-0028291

Extension number: 00

Approval mark :



0028291

1. Manufacturer's name or trade mark(s) : DRC
on the tyre type
2. Tyre type designation by the manufacturer : DRC D711
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. If applicable, name and address of the manufacturer's representative : not applicable
5. Summarized description:
 - 5.1. Size of tyre : 385/65R22.5
 - 5.2. Category of use : normal/special/snow⁽¹⁾
 - 5.3. Structure : ~~diagonal(bias-ply)~~/radial⁽¹⁾

- 5.4. Speed category symbol:
- 5.4.1. nominal : K
- 5.4.2. additional (if applicable) : ---
- 5.5. Load-capacity indices:
- 5.5.1. Corresponding to nominal speed:
- single : 160
 - twinned (dual) : ---
- 5.5.2. Corresponding to additional speed:
- single : ---
 - twinned (dual) : ---
6. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
7. Date of report issued by that service : November 14, 2013
8. Number of report issued by that service : 01-R54-029/13
9. Reason(s) for extension (if applicable) : not applicable
10. Any remarks : not applicable
11. Place : Zoetermeer
12. Date :
13. Signature :
14. 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 8.

⁽¹⁾ Strike out what does not apply.

PARTIAL MODEL INFORMATION DOCUMENT NO. 385/65R22.5 - 00

**UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR
COMMERCIAL VEHICLES AND THEIR TRAILERS**

ECE-R54

including all amendments until

(Amendment 00, Supplement 18)

Type:

DRC D711

This model information document consists of pages 1 to 3

1. Trade name or trade mark on the tyre : DRC
2. Tyre type designation by the manufacturer : DRC D711
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. Name and address of manufacturer's representative : not applicable
5. Summarized description
 - 5.1 Size designation : 385/65R22.5
 - 5.2 Category of use : normal/~~snow~~/temporary use
 - 5.3 Structure : ~~diagonal/bias~~-belted/radial
 - 5.4 Speed category symbol
 - 5.4.1 nominal : K
 - 5.4.2 additional(if applicable) : ---
 - 5.5 Load capacity index
 - 5.5.1 corresponding to nominal speed : single : 160 , twined(dual) : ---
 - 5.5.2 corresponding to additional speed : single : ---, twined(dual) : ---
6. Overall dimensions : ~~Annex 5/ETRTO/calculated/TRA~~
 - overall section width : 389 mm
 - outer diameter : 1072 mm
7. Factor "X" : not applicable
8. Ply-rating number for diagonal (bias ply) tyres : 20
9. Rims on which the tyre can be mounted : 11.75x22.5
10. Measuring rim and test rim : see attached test report
11. State whether the tyre is : tubeless/~~tube type~~
12. Inflation pressure and index for measuring and testing : see attached test report
13. Submitted for approval on (date) : October 30, 2013

List of attachment:

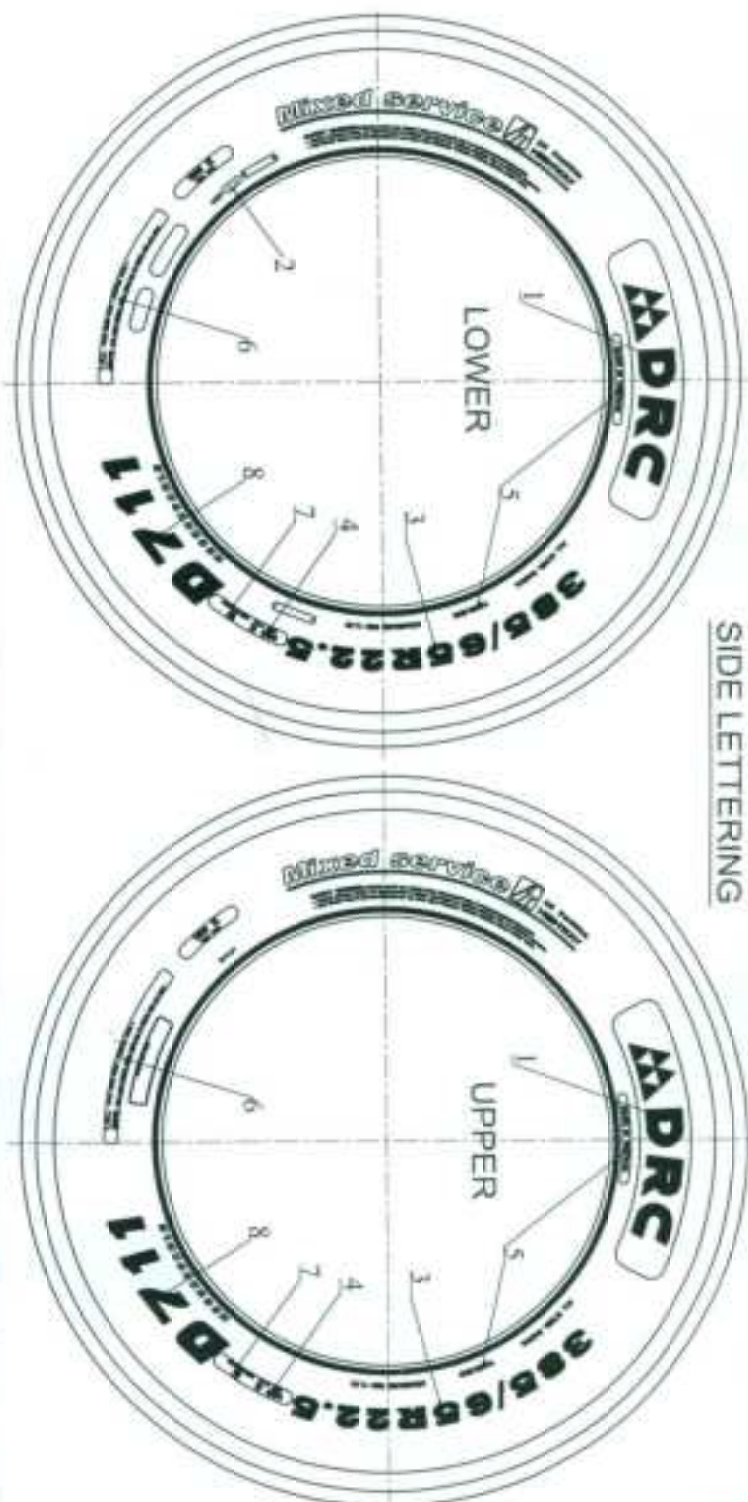
Detail for type DRC D711

Drawing No.01

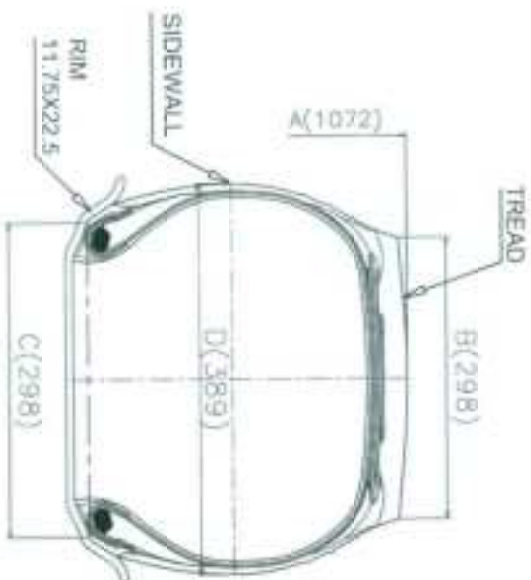
TREAD PATTERN



SIDE LETTERING



CROSS SECTION



8 D711
REGROOVABLE

7 ECE approval mark & approval number

6 L.R.L. PLY: TREAD STEEL & SIDEWALL STEEL 1
MAX. LOAD SINGLE 4500kg (9920 lbs) AT 80km/h (50 mph) COLD
SOPR

5 MADE IN VIETNAM TUBELESS

4 160 K E4
420 PSI 54R-0028291

3 385/65R22.5

2 XXXX (DATE CODE) WORKER CODE

1 DRC

385/65R22.5	160ND TY K	TL	1072	298	298	389	TREAD DEPTH	17
TIRE SIZE	LOAD INDEX SYMBOL	SPEED TYPE	A (mm)	B (mm)	C (mm)	D (mm)	TREAD DEPTH	

DATE 2013/10/30 DRAWN *Nguyen* CHECKED *Nguyen* APPROVED *Nguyen* DANANG RUBBER JOINT STOCK COMPANY

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 385/65R22.5

TEST REPORT

According to ECE-Regulation

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES AND THEIR TRAILERS

ECE-R54

including all amendments until

Amendment 00, Supplement 18

Previously granted	
ECE - system type approval	: E4-54R-0028291 ext.00

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 385/65R22.5

1. Markings

1.1.	Trade mark	:	DRC
1.2.	Tread pattern	:	DRC D711
1.3.	Plies		
	Tread	:	STEEL 4 PLIES
	Side wall	:	STEEL 1 PLY
1.4.	Size designation	:	385/65R22.5
1.5.	Category of use	:	normal
1.6.	Structure	:	radial
1.7.	Speed category	:	nominal : K , supplementary: ---
1.8.	Load-Capacity Indices	:	single : 160 , twinned : ---
	corresponding to nominal speed		
	corresponding to supplementary speed		single : ---, twinned : ---
1.9.	Index of inflation pressure for testing	:	900 kPa
1.10.	Ply-rating number	:	20
1.11.	Indication	:	tubeless
1.12.	Regroovable	:	yes
1.13.	Date of manufacture	:	2713

2. Measurement according to Annex 6

2.1.	Measuring rim	:	11.75 x 22.5	
2.2.	Inflation pressure	:	900 kPa	
2.3.	Inflation pressure (readjusted before conditioning)	:	900 kPa	
2.4.	Duration of conditioning of mounted tyre pre-measuring at ambient room temperature	:	more than 24 hours	
2.5.	Inflation pressure (readjusted after conditioning)	:	900 kPa	
2.6.	Overall width at six equally spaced points			
	1.	380.0 mm	4.	382.0 mm
	2.	381.0 mm	5.	381.0 mm
	3.	381.0 mm	6.	382.0 mm
	Max.:	382.0 mm		

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 385/65R22.5

2.7. Circumference : 3370 mm
 2.8. Outer diameter : 1072.7 mm

3. Load/speed performance test according to ANNEX 7

3.1. Test machine : Gao Xiao Control Technology Co. Ltd.
 Qingdao
 Model: GX-YLN-1212
 3.2. Diameter test drum : 1.7 m
 3.3. Test rim : 11.75 x 22.5
 3.4. Conditioning of mounted tyre pre-testing at test-room temperature : more than 3 hours
 3.5. Test-room temperature : 30.0 °C
 3.6. Inflation pressure (readjusted before conditioning) : 900 kPa
 3.7. Inflation pressure (readjusted after conditioning) : 900 kPa
 3.8. Circumference after conditioning, before testing : 3370 mm
 3.9. Outer diameter : 1072.7 mm
 3.10. Inflation pressure : 900 kPa
 3.11. Corresponding load (100 %) : 4500 kg

Step	Step-Duration	Total Duration	Actual speed	Load (single)	
	[h]	[h]	(min ⁻¹)	(%)	(kg)
1.	7	7	175	66	2970
2.	16	23	175	84	3780
3.	24	47	175	101	4545
3.12.	Conditioning after testing at test-room temperature		: more than 6 hours		
3.13.	Inflation pressure		: 900 kPa		
3.14.	Circumference after conditioning, after testing		: 3380 mm		
3.15.	Outer diameter		: 1075.9 mm		
3.16.	Difference outer diameter before and after testing (max. 3.5 %)		: 3.2 mm : 0.3 %		

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 385/65R22.5

4. General information

- 4.1. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
- 4.2. Technical service responsible for carrying out the tests : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
- 4.3. Test object received : not applicable
- 4.4. Test location : Test Center of DANANG RUBBER JOINT STOCK COMPANY
Lot G, Ta Quang Buu Street, Lien Chieu Industrial Zone, Lien Chieu District, Da Nang City, Vietnam
- 4.5. Test date : October 05, 2013
- 4.6. Remarks concerning tested object(s) : The results of the test refer exclusively to the object(s) mentioned under item 1.4. of this report.

~~The actual test of the tyre is not necessarily required due to the modifications mentioned in Appendix 0 and the previous test results are still valid.~~

5. Appendices

- 0 List of modifications

Information document :385/65R22.5 - 00

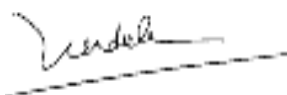
6. Statement of conformity

The information folder and the type described there comply with the requirements in the above mentioned regulation.

The test laboratory is designated for the above mentioned tests by the accreditation body of the RDW, Vehicle Technology and Information Centre, as the competent Administrative Department for the Netherlands; Designation No: RDW-99050014-06.

The test report comprises the pages 1 to 5 (including appendix 0) shall not be reproduced except in full without the written approval of the test laboratory.

Cologne, November 14, 2013
DT/NAV



Mr. D. Truong



Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **385/65R22.5**

List of modifications

Appendix 0

Correction of : Not applicable

Modification of : Not applicable

Addition of : Not applicable

Deletion of : Not applicable

APPLICATION FORM FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE FOR COMMERCIAL VEHICLES ACCORDING TO ECE REGULATION No: 54.00 SERIES OF AMENDMENTS

Approval No: E4-54R-0028292 Extension No.: 00
 1. Manufacturer's name or trade mark on the type : DRC
 2. Tyre type designation by the manufacturer : DRC D931
 3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
 01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
 4. If applicable name and address of Manufacturer's representative : NOT APPLICABLE
 5. Size designation of tyre : 12.00R24
 6. Category of use : NORMAL
 7. Structure : RADIAL
 8. Speed : F
 9. Load-capacity index : Single 160 Twinned 157
 10. Overall dimensions : Annex 5
 10.1 Overall width : 313mm
 on measuring rim : 8.50x24
 10.2 Outer diameter : 1226 mm
 10.3 Measuring / test pressure : 130 PSI (900 kPa)
 11. Factor X : NOT APPLICABLE
 12. Ply rating number for automobile derivative tyres : 20
 13. Rims on which the tyre can be mounted : 8.50x24
 14. Measuring rim and test rim : SEE ATTACHED TEST REPORT
 15. State whether tyre is : TUBE TYPE
 16. Submitted for approval on (date) : OCTOBER 30, 2013

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

MANUFACTURER'S STAMP



Signature

Name:

Nguyễn Mạnh Sơn

THIS APPLICATION IS ACCOMPANIED BY:

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



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



COMMUNICATION

Concerning ⁽¹⁾:

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

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

Approval number: E4-54R-0028292

Extension number: 00

Approval mark :



0028292

1. Manufacturer's name or trade mark(s) : DRC
on the tyre type
2. Tyre type designation by the manufacturer : DRC D931
3. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
4. If applicable, name and address of the manufacturer's representative : not applicable
5. Summarized description:
 - 5.1. Size of tyre : 12.00R24
 - 5.2. Category of use : normal/special/snow⁽¹⁾
 - 5.3. Structure : ~~diagonal(bias-ply)~~/radial⁽¹⁾

- 5.4. Speed category symbol:
- 5.4.1. nominal : F
- 5.4.2. additional (if applicable) : ---
- 5.5. Load-capacity indices:
- 5.5.1. Corresponding to nominal speed:
- single : 160
 - twinned (dual) : 157
- 5.5.2. Corresponding to additional speed:
- single : ---
 - twinned (dual) : ---
6. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
7. Date of report issued by that service : November 14, 2013
8. Number of report issued by that service : 01-R54-030/13
9. Reason(s) for extension (if applicable) : not applicable
10. Any remarks : not applicable
11. Place : Zoetermeer
12. Date :
13. Signature :
14. 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 8.

⁽¹⁾ Strike out what does not apply.

PARTIAL MODEL INFORMATION DOCUMENT NO. 12.00R24 - 00

**UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR
COMMERCIAL VEHICLES AND THEIR TRAILERS**

ECE-R54

including all amendments until

(Amendment 00, Supplement 18)

Type:

DRC D931

This model information document consists of pages 1 to 3

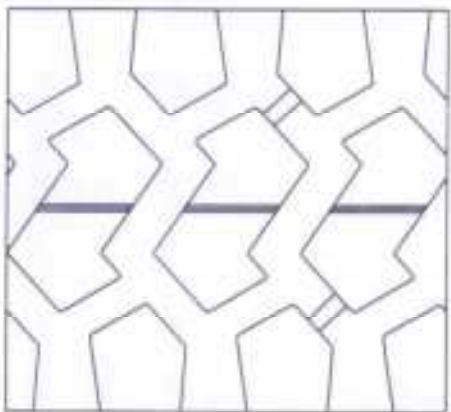
- | | | | |
|-------|--|---|--|
| 1. | Trade name or trade mark on the tyre | : | DRC |
| 2. | Tyre type designation by the manufacturer | : | DRC D931 |
| 3. | Manufacturer's name and address | : | DANANG RUBBER JOINT STOCK
COMPANY
01 Le Van Hien Street, Ngu Hanh Son
District, Da Nang City, Vietnam |
| 4. | Name and address of manufacturer's representative | : | not applicable |
| 5. | Summarized description | | |
| 5.1 | Size designation | : | 12.00R24 |
| 5.2 | Category of use | : | normal/ snow /temporary use |
| 5.3 | Structure | : | diagonal/bias-belted /radial |
| 5.4 | Speed category symbol | | |
| 5.4.1 | nominal | : | F |
| 5.4.2 | additional(if applicable) | : | --- |
| 5.5 | Load capacity index | | |
| 5.5.1 | corresponding to nominal speed | : | single : 160 , twined(dual) : 157 |
| 5.5.2 | corresponding to additional speed | : | single : ---, twined(dual) : --- |
| 6. | Overall dimensions | : | Annex 5/ ETRTO/calculated /TRA |
| | - overall section width | : | 313 mm |
| | - outer diameter | : | 1226 mm |
| 7. | Factor "X" | : | not applicable |
| 8. | Ply-rating number for diagonal (bias ply) tyres | : | 20 |
| 9. | Rims on which the tyre can be mounted | : | 8.50x24 |
| 10. | Measuring rim and test rim | : | see attached test report |
| 11. | State whether the tyre is | : | tubeless /tube type |
| 12. | Inflation pressure and index for measuring and testing | : | see attached test report |
| 13. | Submitted for approval on (date) | : | October 30, 2013 |

List of attachment:

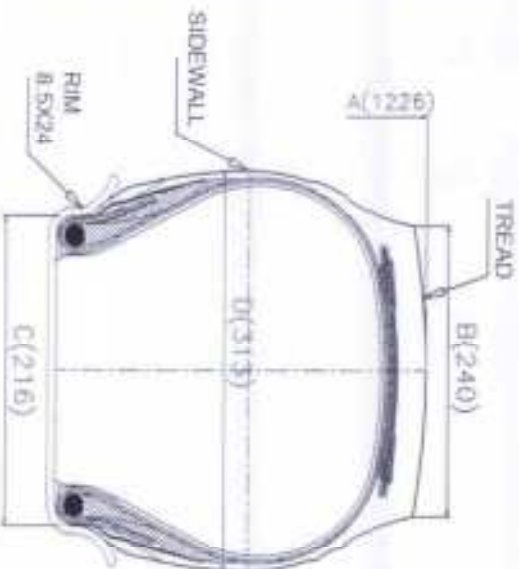
Detail for type DRC D931

Drawing No.01

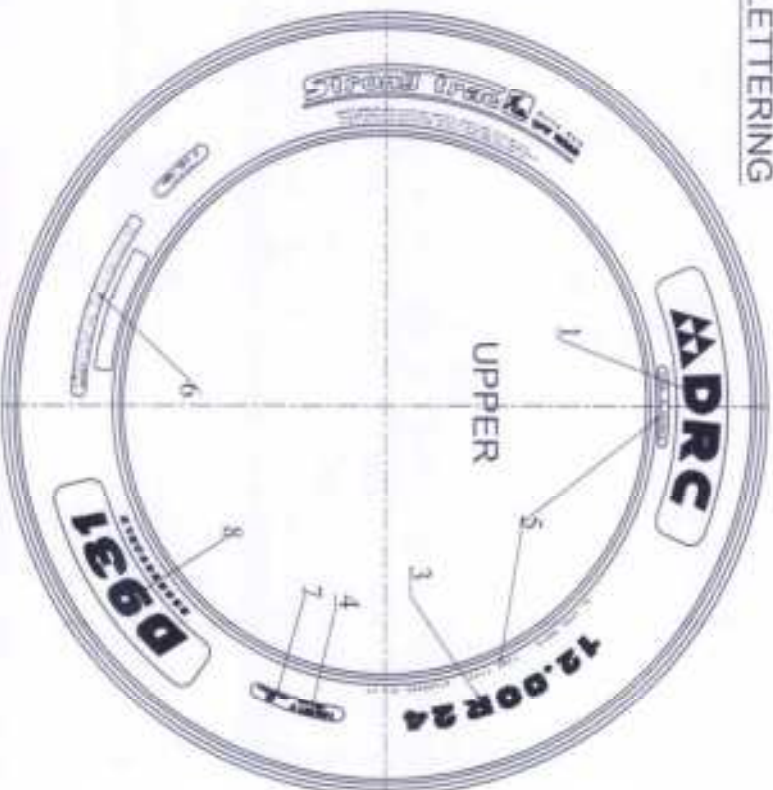
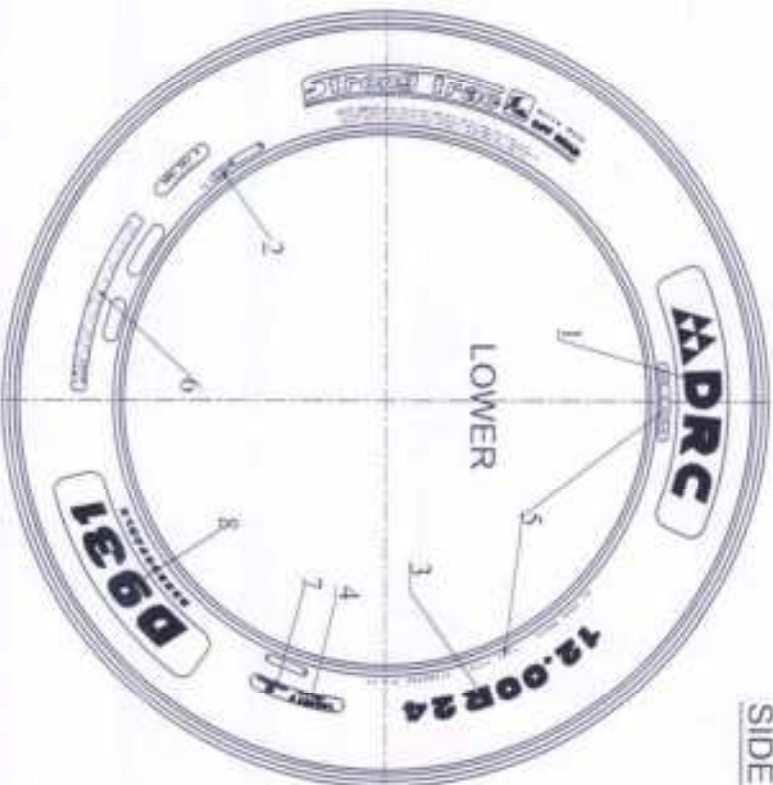
TREAD PATTERN



CROSS SECTION



SIDE LETTERING



8 D931 REGROOVABLE

7 ECE approval mark & approval number



5 MADE IN VIETNAM TUBE TYPE



3 12.00R24

2 XXXX (DATE CODE) WORKER CODE

1 DRC

12.00R24	160/157	TT	1226	240	216	313	32
TIRE SIZE	LOAD INDEX	TYPE	A (mm)	B (mm)	C (mm)	D (mm)	TREAD DEPTH

DATE 2013/10/30 DRAWN *[Signature]* CHECKED *[Signature]* APPROVED *[Signature]* DANANG RUBBER JOINT STOCK COMPANY



Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 12.00R24

TEST REPORT

According to ECE-Regulation

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES AND THEIR TRAILERS

ECE-R54

including all amendments until

Amendment 00, Supplement 18

Previously granted	
ECE - system type approval	: E4-54R-0028292 ext.00

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 12.00R24

1. Markings

- 1.1. Trade mark : DRC
- 1.2. Tread pattern : DRC D931
- 1.3. Plies
- Tread : STEEL 4 PLIES
- Side wall : STEEL 1 PLY
- 1.4. Size designation : 12.00R24
- 1.5. Category of use : normal
- 1.6. Structure : radial
- 1.7. Speed category : nominal : F , supplementary: ---
- 1.8. Load-Capacity Indices : single : 160 , twinned : 157
 corresponding to nominal speed
 corresponding to supplementary speed : single : ---, twinned : ---
- 1.9. Index of inflation pressure for testing : 900 kPa
- 1.10. Ply-rating number : 20
- 1.11. Indication : tube type
- 1.12. Regroovable : yes
- 1.13. Date of manufacture : 2313

2. Measurement according to Annex 6

- 2.1. Measuring rim : 8.50 x 24
- 2.2. Inflation pressure : 900 kPa
- 2.3. Inflation pressure (readjusted before conditioning) : 900 kPa
- 2.4. Duration of conditioning of mounted tyre pre-measuring at ambient room temperature : more than 24 hours
- 2.5. Inflation pressure (readjusted after conditioning) : 900 kPa
- 2.6. Overall width at six equally spaced points
- | | | | | | |
|----|-------|----|----|-------|----|
| 1. | 308.0 | mm | 4. | 307.0 | mm |
| 2. | 308.0 | mm | 5. | 306.0 | mm |
| 3. | 306.0 | mm | 6. | 306.0 | mm |
- Max.: 308.0 mm

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 12.00R24

2.7. Circumference : 3922 mm
 2.8. Outer diameter : 1248.4 mm

3. Load/speed performance test according to ANNEX 7

3.1. Test machine : Gao Xiao Control Technology Co. Ltd.
 Qingdao
 Model: GX-YLN-1212
 3.2. Diameter test drum : 1.7 m
 3.3. Test rim : 8.50 x 24
 3.4. Conditioning of mounted tyre pre-testing at test-room temperature : more than 3 hours
 3.5. Test-room temperature : 30.0 °C
 3.6. Inflation pressure (readjusted before conditioning) : 900 kPa
 3.7. Inflation pressure (readjusted after conditioning) : 900 kPa
 3.8. Circumference after conditioning, before testing : 3923 mm
 3.9. Outer diameter : 1248.7 mm
 3.10. Inflation pressure : 900 kPa
 3.11. Corresponding load (100 %) : 4500 kg

Step	Step-Duration	Total Duration	Actual speed	Load (single)	
	[h]	[h]	(min ⁻¹)	(%)	(kg)
1.	7	7	100	66	2970
2.	16	23	100	84	3780
3.	24	47	100	101	4545
3.12.	Conditioning after testing at test-room temperature		: more than 6 hours		
3.13.	Inflation pressure		: 900 kPa		
3.14.	Circumference after conditioning, after testing		: 3937 mm		
3.15.	Outer diameter		: 1253.2 mm		
3.16.	Difference outer diameter before and after testing (max. 3.5 %)		: 4.5 mm : 0.4 %		

Manufacturer : DANANG RUBBER JOINT STOCK COMPANY
Type Size designation : 12.00R24

4. General information

- 4.1. Manufacturer's name and address : DANANG RUBBER JOINT STOCK COMPANY
01 Le Van Hien Street, Ngu Hanh Son District, Da Nang City, Vietnam
- 4.2. Technical service responsible for carrying out the tests : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
- 4.3. Test object received : not applicable
- 4.4. Test location : Test Center of DANANG RUBBER JOINT STOCK COMPANY
Lot G, Ta Quang Buu Street, Lien Chieu Industrial Zone, Lien Chieu District, Da Nang City, Vietnam
- 4.5. Test date : October 08, 2013
- 4.6. Remarks concerning tested object(s) : The results of the test refer exclusively to the object(s) mentioned under item 1.4. of this report.

~~The actual test of the tyre is not necessarily required due to the modifications mentioned in Appendix 0 and the previous test results are still valid.~~

5. Appendices

- 0 List of modifications

Information document : 12.00R24 - 00

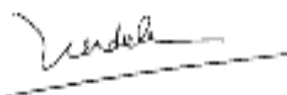
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Cologne, November 14, 2013
DT/NAV



Mr. D. Truong



Manufacturer : **DANANG RUBBER JOINT STOCK COMPANY**
Type Size designation : **12.00R24**

List of modifications

Appendix 0

Correction of : Not applicable

Modification of : Not applicable

Addition of : Not applicable

Deletion of : Not applicable