

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- ~~approval withdrawn~~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 tyre for motor vehicles pursuant to Regulation number 54.

Approval number: E4*54R00/25*49673*01

1. Manufacturer's name and address : Double Coin Group (Jiang Su) Tyre Co.,Ltd.
No.888 North Yishou Road,
Chengbei Street, 226500, Rugao city,
Jiangsu Province, China (PRC)
2. Tyre type designation ⁽²⁾ :
- 2.1. Brand name(s)/trademark(s) : DOUBLE COIN; WARRIOR
- 2.2. Trade description (s)/Commercial name(s) : RLB468; WD219
3. If applicable, name and address of the manufacturer's representative : Not applicable
4. Summarized description:
 - 4.1. Tyre-size designation : 315/70R22.5
 - 4.2. Category of use : ~~normal~~/special/snow ⁽¹⁾
 - 4.3. Structure : ~~diagonal (bias ply)~~/radial ⁽¹⁾
 - 4.4. Tyre class : E2/C3 ⁽¹⁾
 - 4.5. Speed category symbol:
 - 4.5.1. nominal : L



Approval number: E4*54R00/25*49673*01

- 4.5.2. additional (if applicable) : M
- 4.6. Load-capacity indices:
- 4.6.1. Corresponding to nominal speed:
- single : 154
 - twinned (dual) : 150
- 4.6.2. Corresponding to additional speed:
- single : 152
 - twinned (dual) : 148
5. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV NORD Mobilität GmbH & Co. KG
IFM-Institut für Fahrzeugtechnik und Mobilität
: Schönscheidtstr. 28, D-45307 Essen
6. Date of report issued by that service : September 21, 2021;
September 15, 2023
7. Number of report issued by that service : CS054-A0-2021-01767;
CS054-B0-2023-02699
8. Reason(s) for extension (if applicable) : Addition of trade mark and tread pattern;
Upgrade of regulation supplement number;
Modification of manufacturer's name and address
9. Any remarks : ---
10. Place : Zoetermeer
11. Date : 28 September 2023
12. Signature :



R. R. van der Spek

13. 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 7.

⁽¹⁾ Strike out what does not apply.

⁽²⁾ A list of brand name(s)/trademark(s) or Trade description(s)/ Commercial name(s) may be annexed to this communication.

*APPLICATION FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE ACCORDING TO ECE REGULATION
No. 54, 00 SERIES OF AMENDMENTS*

APPROVAL Grant/ Extension / Correction

Addition of : trademark(s) WARRIOR and treadpattern(s) WD219		Deletion of : ---
1.	Manufacturer's name or trade mark	: DOUBLE COIN; <u>WARRIOR</u>
2.	Tyre type designation by the manufacturer	: RLB468; <u>WD219</u> Double Coin Group (Jiang Su) Tyre Co.,Ltd. No.888 North Yishou Road
3.	Manufacturer's name and address	: Chengbei Street 226500, Rugao city, Jiangsu Province China (PRC)
4.	If applicable, name and address of manufacturer's representative	: not applicable
5.	Summarised description	:
5.1.	Tyre size designation	: 315/70R22.5
5.2.	Category of use	: normal /special/snow
5.3.	Structure	: diagonal (bias-ply) /radial
5.4.	Tyre Class	: E2/C3
5.5.	Speed category symbol	:
5.5.1	Nominal	: L
5.5.2	additional (if applicable)	: M
5.6.	Load-capacity indices,	:
5.6.1	corresponding to nominal speed	: single: 154 twinned (dual) : 150
5.6.2	corresponding to additional speed	: single: 152 twinned (dual) : 148
	Overall dimensions	: annex 5 /calculated
6.	Overall section width	: 312/319.2
	outer diameter	: 1014/1030.7
	Factor 'x'	: 0.75
7.	Ply-rating number for diagonal (bias-ply) tyres	: not applicable
8.	Rims on which the tyre can be mounted	: 9.00
9.	Measuring rim and test rim	: see attached test report
10.	State whether the tyre is	: tubeless / tube type
11.	Inflation pressure and index for measuring and testing	: see attached test report
12.	Submitted for approval on (date)	: Aug 14 th , 2023

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

MANUFACTURER'S STAMP

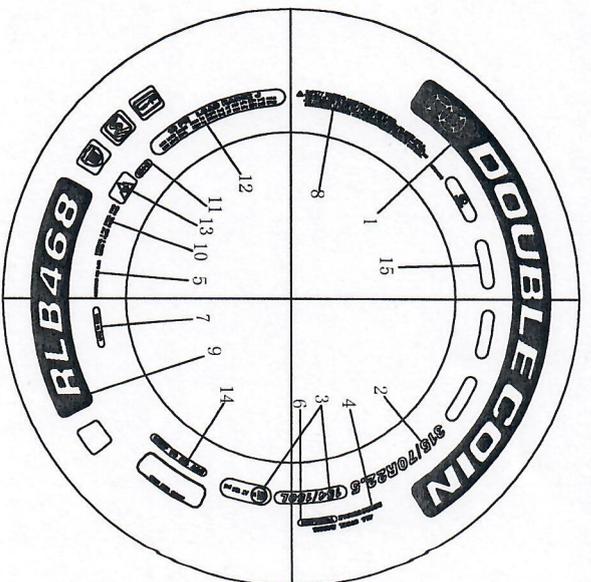
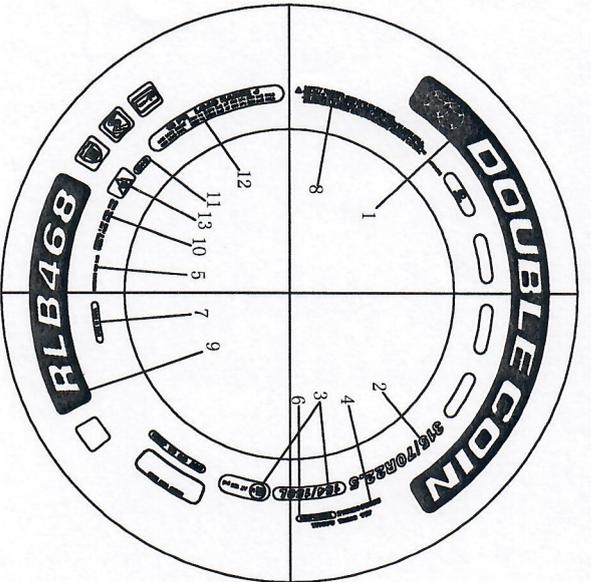
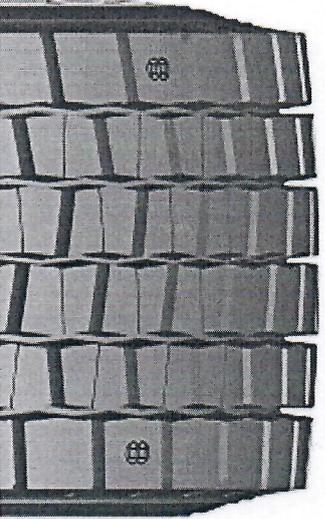
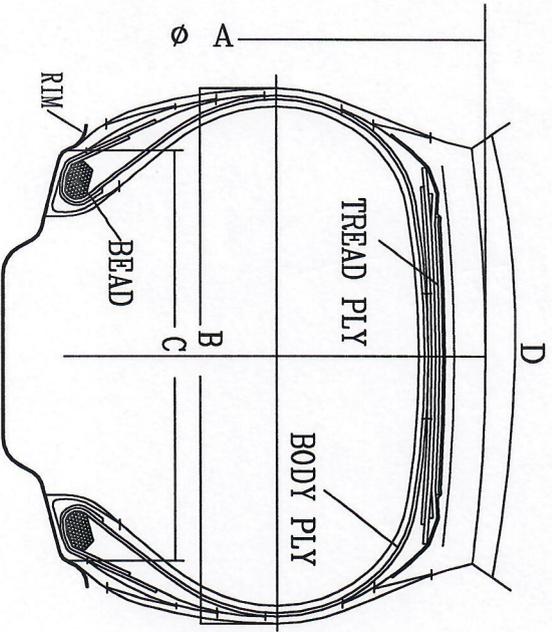


Signature :

Name: ...Xie bin....

THIS APPLICATION IS ACCOMPANIED BY:

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



UPPER MOLD

LOWER MOLD

NO.	UPPER MOLD	NO.	LOWER MOLD
1	DOUBLE COIN	1	DOUBLE COIN
2	315/70R22.5	2	315/70R22.5
3	154/150L (152/148 M)	3	154/150L (152/138 M)
4	REGROOVABLE	4	REGROOVABLE
5	STANDARD RIM 9.00	5	STANDARD RIM 9.00
6	TUBELESS	6	TUBELESS
7	MADE IN CHINA/MADE IN THAILAND	7	MADE IN CHINA/MADE IN THAILAND
8	SAFETY WARNING	8	SAFETY WARNING
9	RLB468	9	RLB468
10	TREAD 5 STEELCORD	10	TREAD 5 STEELCORD
11	STDEWALL 1 STEELCORD	11	STDEWALL 1 STEELCORD
12	M+S	12	M+S
13	MAX. LOAD SINGLE 3750kg AT 900kPa MAX. LOAD DUAL 3350kg AT 900kPa	13	MAX. LOAD SINGLE 3750kg AT 900kPa MAX. LOAD DUAL 3350kg AT 900kPa
14	DOT ***** (WEEK NUMBER)	14	DOT ***** (WEEK NUMBER)
15	15	15	15

TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)	D (mm)	SKID DEPTH (mm)
315/70R22.5	154/150	L	TL	1014	312	228.5	278	20.5

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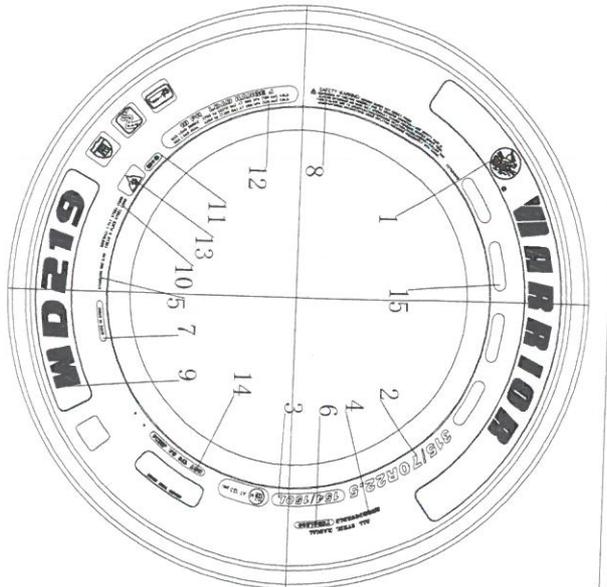
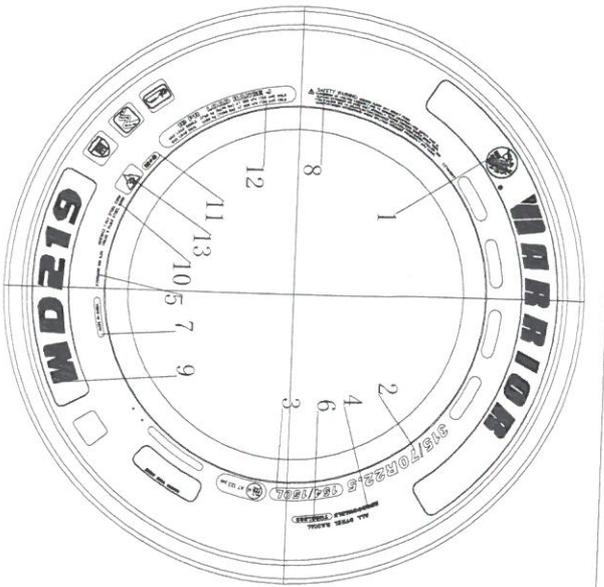
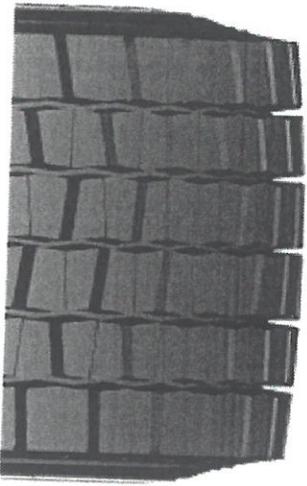
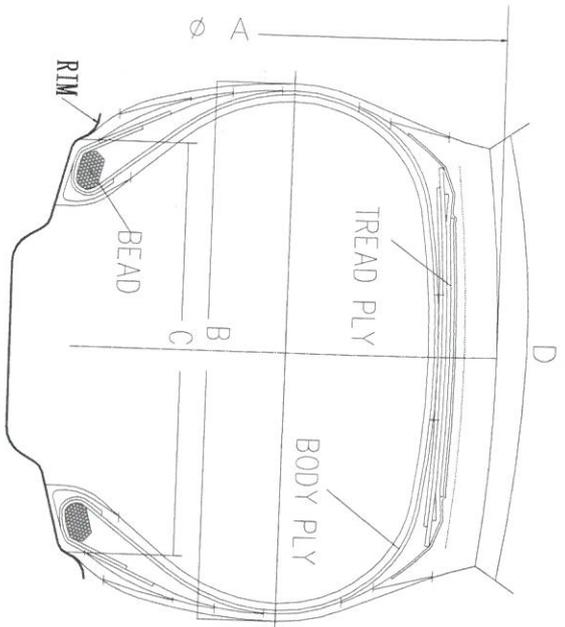
苏北德

CHECKED BY

许连玉

APPROVED BY

苏北德



UPPER MOLD

LOWER MOLD

UPPER MOLD		LOWER MOLD	
NO.	DESCRIPTION	NO.	DESCRIPTION
1	WARRIOR	1	WARRIOR
2	315/70R22.5	2	315/70R22.5
3	154/150L (152 M) (148)	3	154/150L (152 M) (148)
4	REGROOVABLE	4	REGROOVABLE
5	STANDARD RIM 9.00	5	STANDARD RIM 9.00
6	TIRELESS	6	TIRELESS
7	MADE IN CHINA/MADE IN THAILAND	7	MADE IN CHINA/MADE IN THAILAND
8	SAFETY WARNING	8	SAFETY WARNING
9	MD219	9	MD219
10	TREAD 5 STEELCORD	10	TREAD 5 STEELCORD
11	SIDEMALL 1 STEELCORD	11	SIDEMALL 1 STEELCORD
12	MAX. LOAD SINGLE 3750kg AT 900kPa	12	MAX. LOAD SINGLE 3750kg AT 900kPa
13	MAX. LOAD DUAL 3350kg AT 900kPa	13	MAX. LOAD DUAL 3350kg AT 900kPa
14	DOT ***** (BEEK NUMBER)	14	DOT ***** (BEEK NUMBER)
15	(13) *****	15	(13) *****

TIRES SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A(mm)	B(mm)	C(mm)	D(mm)	SKID DEPTH (mm)
315/70R22.5	154/150	L	TL	1014	312	228.5	278	20.5

DRAWN BY

林秋茹

CHECKED BY

趙建平

APPROVED BY

OK

Type : **315/70R22.5**
Manufacturer : **Double Coin Group (Jiang Su) Tyre Co.,Ltd.**

Test Report

Agreement concerning the adoption of uniform technical prescriptions for the wheeled vehicles, equipment and parts which can be fitted and/or be used on wheeled vehicles and the conditions for reciprocal recognition of approvals granted on the basis of these prescriptions

Uniform Provisions Concerning The Approval Of Pneumatic Tyres For Commercial Vehicles And Their Trailers

ECE-R 54
as last amended

Revision 3
Supplement 25 to the 00 series of amendments

Approval status	
ECE	Number of approval
	E4*54R00/25*49673*01

Type : **315/70R22.5**
Manufacturer : **Double Coin Group (Jiang Su) Tyre Co.,Ltd.**

1. General information

- 1.1. Manufacturer's name and address : Double Coin Group (Jiang Su) Tyre Co.,Ltd.
No.888 North Yishou Road,
Chengbei Street, 226500, Rugao city,
Jiangsu Province, China (PRC)
- 1.2. Trade mark : DOUBLE COIN; WARRIOR
- 1.3. Tread pattern : RLB468; WD219
- 1.4. Size designation : 315/70R22.5
- 1.5. Category of use : Snow
- 1.6. Speed category : nominal : L , supplementary: M
- 1.7. Load-Capacity Indices : single : 154, twinned : 150
corresponding to nominal speed
corresponding to supplementary speed : single : 152, twinned : 148
- 1.8. Indication : Tubeless
- 1.9. Test object received : ---
- 1.10. Test location : Double Coin Group (Jiang Su) Tyre Co.,Ltd.
No.888 North Yishou Road,
Chengbei Street, 226500, Rugao city,
Jiangsu Province, China (PRC)
- 1.11. Remarks concerning tested object(s) : ---

Type : **315/70R22.5**
Manufacturer : **Double Coin Group (Jiang Su) Tyre Co.,Ltd.**

- 2. Final Conclusion** : Refer to TUV NORD test report CS054-A0-2021-01767 corresponding to Type Approval No: E4*54R00/23*49673*00
- 2.1. Marking : Pass / ~~Fail~~
- 2.2. Measurement : Pass / ~~Fail~~
- 2.3. Load / Speed performance test : Pass / ~~Fail~~
Tread separation, ply separation, cord separation, : ~~Yes~~/ No
chunking or broken cords

3. Statement of conformity

The type described in this test report and the appendices attached are in compliance with the Test Specification mentioned above.
The samples / ~~test vehicles~~ used, were representative in terms of the type to be approved.
The Test Report comprises pages 1 to 4.
The Test Report shall be reproduced and published in full only and by the client only. It shall be reproduced partially with the written permission of the Test Laboratory only.

TEST LABORATORY

TÜV NORD Mobilität GmbH & Co. KG
IFM - Institut für Fahrzeugtechnik und Mobilität,
Schönscheidtstr. 28, D-45307 Essen

Designated Technical Service
RDW No. RDWT-T04

Shanghai, September 15, 2023
PY/BW



B.S.M.E Patrick Yu



Version:09/2019
Rev:00

Test Report
No. : CS054-B0-2023-02699
ECE Regulation No.54



Type : **315/70R22.5**
Manufacturer : **Double Coin Group (Jiang Su) Tyre Co.,Ltd.**

List of modifications

Appendix 1

More details for application of : **Date** : **September 15, 2023**

Correction of : -

Modification of : Manufacturer's name and address

Addition of : Trade mark and tread pattern;
Upgrade of regulation supplement number

Deletion of : -

Type : **315/70R22.5**
 Manufacturer : **Double Coin Group Jiangsu Tyre Co., Ltd.**

Test Report

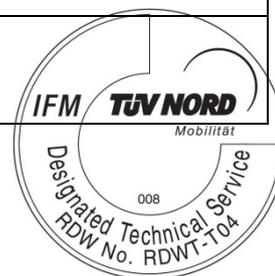
Agreement concerning the adoption of uniform technical prescriptions for the wheeled vehicles, equipment and parts which can be fitted and/or be used on wheeled vehicles and the conditions for reciprocal recognition of approvals granted on the basis of these prescriptions

Uniform Provisions Concerning The Approval Of Pneumatic Tyres For Commercial Vehicles And Their Trailers

ECE-R 54
 as last amended

Revision 3
 Supplement 23 to the 00 series of amendments

Approval status	
ECE	Number of approval
	E4*54R00/23*49673*00



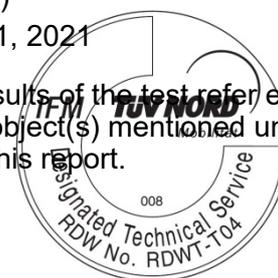
Type : **315/70R22.5**
Manufacturer : **Double Coin Group Jiangsu Tyre Co., Ltd.**

1. General information

- 1.1. Manufacturer's name and address : Double Coin Group Jiangsu Tyre Co., Ltd.
No.888 North Yishou Road, Chengbei Street, 226500, Rugao, Jiangsu, China (PROC)
- 1.2. Trade mark : DOUBLE COIN
- 1.3. Tread pattern : RLB468
- 1.4. Size designation : 315/70R22.5
- 1.5. Category of use : snow
- 1.6. Speed category : nominal : L , supplementary: M
- 1.7. Load-Capacity Indices
corresponding to nominal speed : single : 154, twinned : 150
corresponding to supplementary speed : single : 152, twinned : 148
- 1.8. Indication : tubeless
- 1.9. Test object received : -
- 1.10. Test location : Double Coin Group Jiangsu Tyre Co., Ltd.
No.888 North Yishou Road, Chengbei Street, 226500, Rugao, Jiangsu, China (PROC)
- 1.11. Test date : June 21, 2021
- 1.12. Remarks concerning tested object(s) : The results of the test refer exclusively to the object(s) mentioned under item 1.4 of this report.

2. Test data

- 2.1. Markings
- 2.1.1. Trade mark : DOUBLE COIN



Type : **315/70R22.5**
Manufacturer : **Double Coin Group Jiangsu Tyre Co., Ltd.**

2.1.2. Tread pattern : RLB468

2.1.3. Size designation : 315/70R22.5

2.1.4. Category of use : snow

2.1.5. Structure : radial

2.1.6. Plies

Tread : 5 STEEL

Side wall : 1 STEEL

2.1.7. Speed category : nominal : L , supplementary: M

2.1.8. Load-Capacity Indices :
corresponding to nominal speed : single : 154, twinned : 150
corresponding to supplementary speed : single : 152, twinned : 148

2.1.9. Index of inflation pressure for testing : 130 PSI

2.1.10. Ply-rating number : ---

2.1.11. Indication : tubeless

2.1.12. Regroovable : yes

2.1.13. Traction or not : no

2.1.14. Traction tyre fulfils the requirement according to paragraph 6.5.1 of Regulation No. 117. : ---

2.1.15. Date of manufacture : 2121

2.2. Measurement according to Annex 6

2.2.1. Measuring rim : 9.00 × 22.5

2.2.2. Inflation pressure : 900 kPa

2.2.3. Inflation pressure (readjusted before conditioning) : 900 kPa



Type : **315/70R22.5**

Manufacturer : **Double Coin Group Jiangsu Tyre Co., Ltd.**

2.2.4. Duration of conditioning of mounted tyre pre-measuring at ambient room temperature : more than 24 hours

2.2.5. Inflation pressure (readjusted after conditioning) : 900 kPa

2.2.6. Overall width at six equally spaced points

1.	319.2	mm	4.	317.1	mm
2.	318.8	mm	5.	318.2	mm
3.	318.3	mm	6.	318.0	mm

Max.: 319.2 mm

2.2.7. Circumference : 3238 mm

2.2.8. Outer diameter : 1030.7 mm

2.3. Load/speed performance test according to ANNEX 7

2.3.1. Test machine : Y/YJ3407-R075

2.3.2. Diameter test drum : 1.7 m

2.3.3. Test rim : 9.00 × 22.5

2.3.4. Conditioning of mounted tyre pre-testing at test-room temperature : more than 3 hours

2.3.5. Test-room temperature : 25 °C

2.3.6. Inflation pressure (readjusted before conditioning) : 900 kPa

2.3.7. Inflation pressure (readjusted after conditioning) : 900 kPa

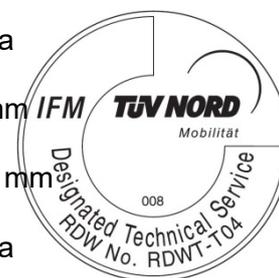
2.3.8. Circumference after conditioning, before testing : 3238 mm

2.3.9. Outer diameter : 1030.7 mm

2.3.10. Inflation pressure : 900 kPa

2.3.11. Test drum speed : 64 km/h

2.3.12. Corresponding load (100 %) : 3750 kg



Type : **315/70R22.5**
 Manufacturer : **Double Coin Group Jiangsu Tyre Co., Ltd.**

Step	Step-Duration [h]	Total Duration [h]	Actual speed (km/h)	Load (single) (%)	(kg)
1.	7	7	64	66	2475
2.	16	23	64	84	3150
3.	24	47	64	101	3788

2.3.13. Conditioning after testing at test-room temperature : more than 6 hours

2.3.14. Inflation pressure : 900 kPa

2.3.15. Circumference after conditioning, after testing : 3253 mm

2.3.16. Outer diameter : 1035.5 mm

2.3.17. Difference outer diameter before and after testing : 4.8 mm

(max. 3.5 %) : 0.5 %

3. Final Conclusion : Pass / ~~Fail~~

3.1. Marking : Pass / ~~Fail~~

3.2. Measurement : Pass / ~~Fail~~



Type : **315/70R22.5**
Manufacturer : **Double Coin Group Jiangsu Tyre Co., Ltd.**

4. Statement of conformity

The type described in this test report and the appendices attached are in compliance with the Test Specification mentioned above.

The samples / ~~test vehicles~~ used, were representative in terms of the type to be approved.

The Test Report comprises pages 1 to 7.

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TEST LABORATORY

TÜV NORD Mobilität GmbH & Co. KG
IFM - Institut für Fahrzeugtechnik und Mobilität,
Schönscheidtstr. 28,
D-45307 Essen

Designated Technical Service
RDW No. RDWT-T04

Shanghai, September 21, 2021
PY / RT



B.S.M.E Patrick Yu



Type : **315/70R22.5**
Manufacturer : **Double Coin Group Jiangsu Tyre Co., Ltd.**

List of modifications

Appendix 1

More details for application of : **Date** : -

Correction of : -

Modification of : -

Addition of : -

Deletion of : -

