

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

- | | | |
|--|---|--|
| 1. Manufacturer's name or trade mark ⁽²⁾ | : | HUALU; ANNAITE; GUOBAO; HILO; JKTYRE;
VIKRANT; TECHKING; QIANGWEI; GUANGDA;
ANGUANGDA; XINGYUAN; AMBERSTONE;
BENTENG; GREMAX; AUFINE; FEDERO; <u>SIERRA</u> ; |
| 2. Tyre type designation by the manufacturer ⁽²⁾ | : | 396; JETWAY-EX1; VALIANT-VUB1; TKSTII;
TL396; GM396; AF327; F396; AF33; <u>SR805</u> ; |
| 3. Manufacturer's name and address | : | Xingyuan Tire Group Co., Ltd.
Xishui Industrial Zone, Guangrao,
Dongying Shandong 257336
P.R. China |
| 4. If applicable, name and address of
manufacturer's representative | : | not applicable |
| 5. Summarised description, | | |
| 5.1. Tyre size designation | : | 385/65R22.5 |
| 5.2. Category of use | : | Normal /special/ snow |
| 5.3. Structure | : | diagonal (bias ply) / radial |
| 5.4. Speed category symbol | | |
| 5.4.1. Nominal | : | K |
| 5.4.2. Additional (if applicable) | : | not applicable |
| 5.5. Load capacity indices | | |
| 5.5.1. corresponding to nominal speed | : | single: 160, twinned (dual): --- |
| 5.5.1. corresponding to additional speed | : | single: ---, twinned (dual): --- |
| 6. Overall dimensions (design) | : | ETRTO/calculated/Annex 5 |
| overall section width | : | 389 |
| outer diameter | : | 1072 |
| 7. Factor 'x' | : | 0.75 |
| 8. Ply-rating number for diagonal (bias ply) tyres | : | 20 |
| 9. Rims on which the tyre can be mounted | : | 11.75 |
| 10. Measuring rim and test rim | : | see attached test report |
| 11. Tyre class | : | C2/ C3 |
| 12. State whether the tyre is | : | tubeless /tube type |
| 13. Traction tyre | : | Yes / no (see the tread pattern detail in drawing) |
| 14. State if special use tyre | : | n.a. |
| Professional Off-Road | : | Yes / no |
| Tread depth | : | n.a. |
| Void to fill ratio | : | n.a. |
| 15. Inflation pressure and index for
measuring and testing | : | see attached test report |
| 16. Submitted for approval on (date) | : | Oct 27, 2015 |

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:

THIS APPLICATION IS ACCOMPANIED BY:

- A drawing of the tyre's side wall, tread and dimensioned cross section.
- The test report.

(1) Strike out what does not apply.

(2) Modified points are underlined for extension.



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.

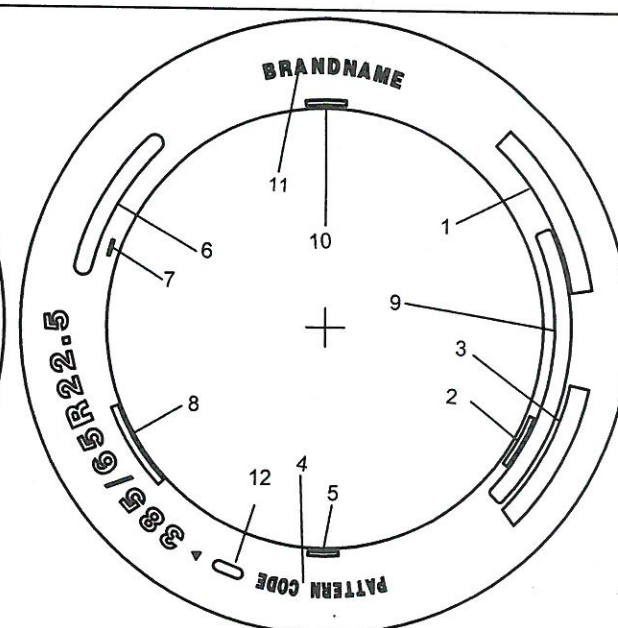
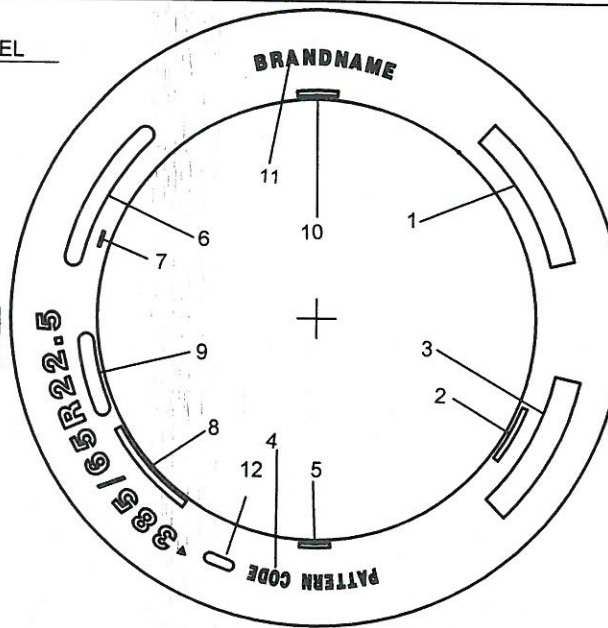
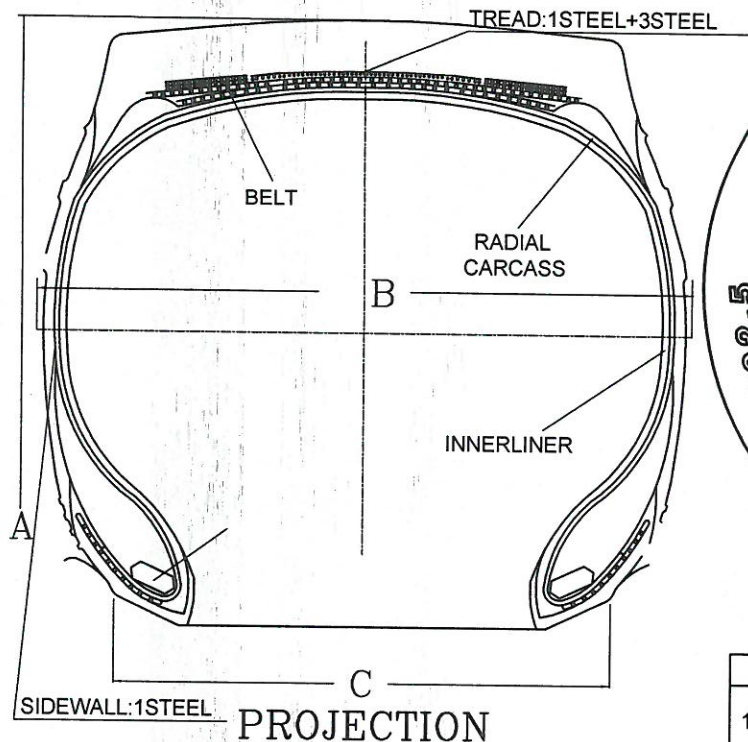
Approval number: E4-54R-0021803

Extension number: 06

- | | | |
|------|--|---|
| 1. | Manufacturer's name or trade mark(s) on the tyre type | : HUALU; ANNAITE; GUOBAO; HILO; JKTYRE; VIKRANT; TECHKING; QIANGWEI; GUANGDA; ANGUANGDA; XINGYUAN; AMBERSTONE; BENTENG; GREMAX; AUFINE; FEDERO; <u>SIERRA</u> |
| 2. | Tyre type designation by the manufacturer | : 396; JETWAY-EX1; VALIANT-VUB1; TKSTII; TL396; GM396; AF327; F396; AF33; <u>SR805</u> |
| 3. | Manufacturer's name and address | : Xingyuan Tire Group Co., Ltd.
Xishui Industrial Zone, Guangrao,
Dongying, Shandong, 257336
P.R. China |
| 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 /snow/special ⁽¹⁾ |
| 5.3. | Structure | : diagonal(bias ply) /radial ⁽¹⁾ |
| 5.4. | Tyre class | : C2 /C3 ⁽¹⁾ |
| 5.5. | Speed category symbol: | |

- 5.5.1. nominal : K
 5.5.2. additional (if applicable) : ---
- 5.6. Load-capacity indices:
- 5.6.1. Corresponding to nominal speed:
 - single : 160
 - twinned (dual) : ---
- 5.6.2. 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
 Typprüfstelle Fahrzeuge/Fahrzeugteile
 Am Grauen Stein
 D-51105 Köln (Poll)
7. Date of report issued by that service : November 10, 2015
8. Number of report issued by that service : 86-R54-3697/15-00
9. Reason(s) of extension (if applicable) : addition of trade mark and tyre type designation;
 change of category of use from "normal" to "snow"
10. Any remarks : ---
11. Place : Zoetermeer
12. Date : 27-NOV-2015
13. Signature : 
R.F.R. Clement
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.



BOTTOM SIDEWALL

TOP SIDEWALL

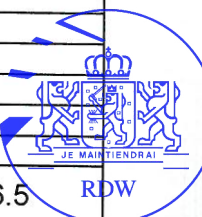
BOTTOM SIDEWALL		TOP SIDEWALL	
1	ALL STEEL RADIAL TIRE REGROOVABLE	1	ALL STEEL RADIAL TIRE REGROOVABLE
2	STANDARD RIM 11.75	2	STANDARD RIM 11.75
3	WARNING: ...	3	WARNING: ...
4	REFER TO ATTACHMENT NO.026-2015	4	REFER TO ATTACHMENT NO.026-2015
5	TUBELESS	5	TUBELESS
6	160 K 20PR LOAD RANGE L PLIES:SIDEWALL 1STEEL TREAD 1STEEL+3STEEL MAX. LOAD: SINGLE 4500Kg(9920LBS) AT 900KPa(130P.S.I.) COLD	6	160 K 20PR LOAD RANGE L PLIES:SIDEWALL 1STEEL TREAD 1STEEL+3STEEL MAX. LOAD: SINGLE 4500Kg(9920LBS) AT 900KPa(130P.S.I.) COLD
7	***** (MOULD CODE)	7	***** (MOULD CODE)
8	DOT 66 RG BB38**** (****--DATE CODE)	8	DOT 66 RG BB38**** (****--DATE CODE)
9	(E4)*****	9	兴源轮胎集团有限公司/-
10	MADE IN CHINA	10	MADE IN CHINA
11	REFER TO ATTACHMENT NO.026-2015	11	REFER TO ATTACHMENT NO.026-2015
12	M+S	12	M+S

TREAD PATTERN

REFER TO ATTACHMENT NO.026-2015

385/65R22.5	160	K	TL	1072	389	298.5	16.5
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)	SKID DEPTH (mm)

DRAWN BY	姚文	CHECKED BY	赵吉明	APPROVED BY	李	XINGYUAN TIRE GROUP Co.,Ltd.
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ATTACHMENT NO.026-2015

TIRE SIZE 385/65R22.5 160 K



BRANDNAME

PATTERN CODE

TREAD PATTERN

HUALU (BOTTOM SIDEWALL)



(TOP SIDEWALL)

396

TL396

ANNAITE (BOTTOM SIDEWALL)



(TOP SIDEWALL)

396

GUOBAO (BOTTOM SIDEWALL)



(TOP SIDEWALL)

396

HILO

396

QIANGWEI (BOTTOM SIDEWALL)



(TOP SIDEWALL)

396

GUANGDA (BOTTOM SIDEWALL)



(TOP SIDEWALL)

396

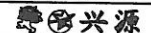
ANGUANGDA (BOTTOM SIDEWALL)



(TOP SIDEWALL)

396

XINGYUAN (BOTTOM SIDEWALL)



(TOP SIDEWALL)

TL396

AMBERSTONE

396

BENTENG (BOTTOM SIDEWALL)



(TOP SIDEWALL)

396

GREMAX

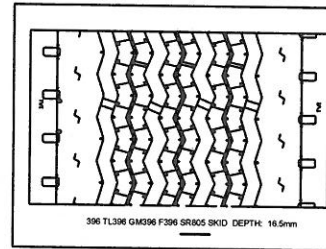
GM396

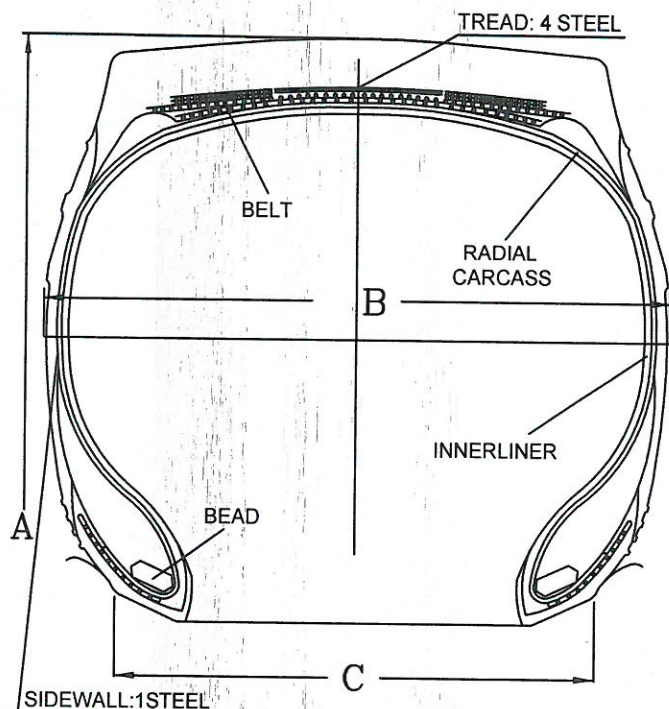
FEDERO

F396

SIERRA

SR805

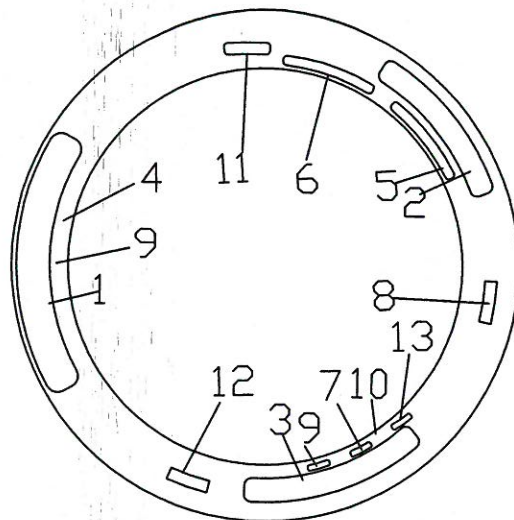




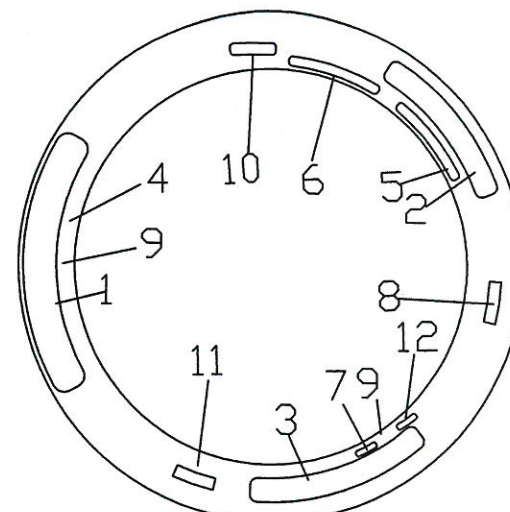
PROJECTION

TREAD PATTERNS

REFER TO ATTACHMENT NO.027-2015



LOWER MOULD



UPPER MOULD

LOWER MOULD		UPPER MOULD	
1	REFER TO ATTACHMENT NO.027-2015	1	REFER TO ATTACHMENT NO.027-2015
2	385/65R22.5	2	385/65R22.5
3	REFER TO ATTACHMENT NO.027-2015	3	REFER TO ATTACHMENT NO.027-2015
4	STANDARD RIM 11.75	4	STANDARD RIM 11.75
5	385/65R22.5 160 K 20PR AT 130 PSI	5	385/65R22.5 160 K 20PR AT 130 PSI
6	PLIES: TREAD 4 STEEL SIDEWALL 1 STEEL; MAX. LOAD: SINGLE 4500Kg(9920LBS) AT 900KPa(130P.S.I.) COLD	6	PLIES: TREAD 4 STEEL SIDEWALL 1 STEEL; MAX. LOAD:
7	DOT 66 RG BB38****(****---DATE CODE)	7	DOT 66 RG BB38****(****---DATE CODE)
8	SAFETY WARNING.....	8	SAFETY WARNING.....
9	(E) 00*****	9	MADE IN CHINA
10	MADE IN CHINA	10	REGROOVABLE TUBELESS
11	REGROOVABLE TUBELESS	11	RADIAL
12	RADIAL	12	M+S
13	M+S		



385/65R22.5	160	K	TL	1072	389	298.5	16.5
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)	SKID DEPTH (mm)

DRAWN BY

姚义

CHECKED BY

赵吉明

APPROVED BY

李

XINGYUAN TIRE GROUP Co.,Ltd.

ATTACHMENT NO.027-2015

TIRE SIZE 385/65R22.5 160 K

E4 *****

BRANDNAME

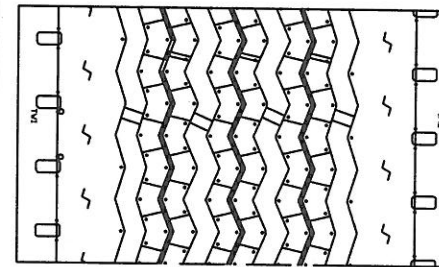
PATTERN CODE

TREAD PATTERNS

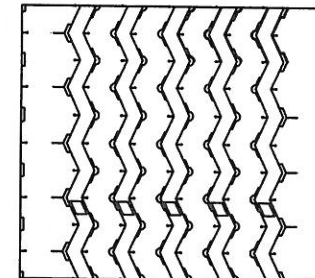
AUFINÉ

AF327

AF33



AF327 SKID DEPTH: 16.5mm



AF33 SKID DEPTH: 16.5mm

Tyre size : 385/65R22.5
Manufacturer : Xingyuan Tire Group Co., Ltd.

TEST REPORT

according to the ECE-Regulation

Uniform provisions concerning the approval of pneumatic tyres for commercial vehicles and their trailers

including all amendments until
... ECE-R54, Amend.00, Suppl. 18...

Approval Status

ECE – certificate : E4-54R-0021803 Ext. 06

Structure of the Test Report

Item No.

- | | |
|----|-------------------------|
| 0. | General information |
| 1. | Tested object(s) |
| 2. | Test record |
| 3. | List of appendices |
| 4. | Statement of conformity |
-

The Test Report shall be reproduced and published in full by the client only. It shall however be reproduced partially with the written permission of the Testing Laboratory only.



Tyre size : 385/65R22.5
 Manufacturer : Xingyuan Tire Group Co., Ltd.

0. General Information

- 0.1. Trade name or mark(s) : HUALU; ANNAITE; GUOBAO; HILO; JKTYRE; VIKRANT; TECHKING; QIANGWEI; GUANGDA; ANGUANGDA; XINGYUAN; AMBERSTONE; BENTENG; GREMAX; AUFINE; FEDERO; SIERRA
- 0.2. Tyre type designation(s) by the manufacturer : 396; JETWAY-EX1; VALIANT-VUB1; TKSTII; TL396; GM396; AF327; F396; AF33; SR805
- 0.3. Tyre size designation : 385/65R22.5
- 0.4. Manufacturer's name and address : Xingyuan Tire Group Co., Ltd.
Xishui Industrial Zone, Guangrao,
Dongying, Shandong, 257336
P.R. China
- 0.5. No. of the information folder : ---
-Date of issue : ---
-Date of last change : October 27, 2015

1. Tested object(s)

- 1.1. Object markings
- Trade name or mark : ANNAITE
- Tyre type designation : 396
- Plies of Tread / Sidewall : 1 STEEL + 3 STEEL /
1 STEEL
- Tyre size designation : 385/65R22.5
- Category of use : snow
- Indication of category of use : word "M+S"
- Structure : radial
- indication / symbol of structure : word "RADIAL", letter "R" in front of rim diameter marking
- Speed category : nominal: K Supplementary: ---
- Load-Capacity Indices(L.I.)
- corresponding to nominal speed : single: 160 twinned: ---
- corresponding to supplementary speed : single: --- twinned: ---
- Index of inflation pressure for testing : 130 PSI
- Ply-rating number : 20 PR
- Word in case of without inner tube : word "TUBELESS"
- Word in case of tyre can be regrooved : word "REGROOVABLE"



Tyre size : 385/65R22.5
 Manufacturer : Xingyuan Tire Group Co., Ltd.

- Inscription in case of Free Rolling Tyre or Traction Tyre : n/a
 Date of manufacture : 3011
 1.2 Worst case selection : n/a
 1.3. Remarks : All versions of the types as stated in the information folder are covered by the tested object(s) respectively.

2. Test record

- 2.1. Equipment for measuring and testing : The test facilities / measurement equipment used were in compliance with the test requirements
 2.2. Test results
 Remarks concerning extension : ~~The type has been tested according to the modification(s) mentioned in appendix 0.~~
 An actual practical test of the object was not necessary.
 The results of the previous test(s) are still valid.

2.2.1. Dimension measurement according to Annex 6

- Measuring rim : 11.75 x 22.5
 Inflation pressure after mounting on measuring rim : 9.0 bar
 Inflation pressure before conditioning : 9.0 bar
 Conditioning of tyre : more than 24 hours
 Inflation pressure after conditioning : 9.0 bar
 Overall width at six equally spaced points
 1. 387.1 mm 4. 387.3 mm
 2. 387.6 mm 5. 387.2 mm
 3. 387.9 mm 6. 387.5 mm
 Max.: 387.9 mm
 Circumference : 3364 mm
 Outer diameter : 1070.8 mm
 Tread depth / void to fill ratio in case of special use tyre : n/a

2.2.2. Load/speed performance test according to Annex 7

- Test machine : TJR-2-TB(Y)
 Diameter of test drum : 1.707 m
 Test rim : 11.75 x 22.5
 Inflation pressure before conditioning : 9.0 bar



Tyre size : 385/65R22.5
 Manufacturer : Xingyuan Tire Group Co., Ltd.

Conditioning of tyre : more than 3 hours
 Test-room temperature : 26°C
 Inflation pressure after conditioning : 9.0 bar
 Circumference before testing : 3364 mm
 Outer diameter : 1070.8 mm
 100% load corresponding to L.I.(single) : 4500 kg

Step	Step duration [h]	Total duration [h]	Actual speed [min ⁻¹]	Test Load [%]	[kg]
1.	7	7	175	66	2970
2.	16	23	175	84	3780
3.	24	47	175	101	4545

Conditioning after testing : more than 6 hours
 Circumference after conditioning, after testing : 3374 mm
 Outer diameter : 1074.0 mm
 Difference outer diameter before and after testing (max. 3.5 %) : 3.2 mm
 : 0.30 %
 Inspection after test : The tyre does not exhibit tread separation, ply separation, cord separation, chunking or broken cords.

- 2.3. Additional information : The results of the test refer exclusively to the object(s) mentioned under point 1. of this report.
- Test site : Xingyuan Tire Group Co., Ltd.
 Xishui Industrial Zone, Guangrao,
 Dongying, Shandong, 257336
 P.R. China
- Test date : August 10 - 12, 2011
- 2.4. Remarks : The results of test refer to report No.: 86-R54-1743/14-00
 corresponding to type approval No.: E4-54R-0021803
 Ext. 05

3. List of Appendices

Appendix 0 : List of modifications



Tyre size : 385/65R22.5
Manufacturer : Xingyuan Tire Group Co., Ltd.

4. Statement of conformity

The above mentioned information folder and the type described in that comply with the requirements mentioned on page 1. The mentioned test results refer to the object(s) described under point 1.1 of this report.

Engineering centre Shanghai, / November 10, 2015
SR / YZ



Su Rui
Expert Technical Service



Tyre size : 385/65R22.5
Manufacturer : Xingyuan Tire Group Co., Ltd.

List of modifications

Appendix 0

Correction of : ---

Modification of : change of category of use from “normal” to “snow”

Addition of : trade mark and tyre type designation

Deletion of : ---

