

**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; HILO; XINGYUAN; FULLRUN;
AMBERSTONE; ANTYRE; SYRON; <u>AUFIN</u> ; |
| 2. | Tyre type designation by the manufacturer ⁽²⁾ | : | 785; DL785; TB785; K-TIR195D2; <u>AF717</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 | : | 245/70R19.5 |
| 5.2. | Category of use | : | Normal / special / snow - |
| 5.3. | Structure | : | diagonal (bias ply) / radial |
| 5.4. | Speed category symbol | | |
| 5.4.1. | Nominal | : | M |
| 5.4.2. | Additional (if applicable) | : | not applicable |
| 5.5. | Load capacity indices | | |
| 5.5.1. | corresponding to nominal speed | : | single: 136, twinned (dual): 134 |
| 5.5.1. | corresponding to additional speed | : | single: ---, twinned (dual): --- |
| 6. | Overall dimensions (design) | : | ETRTO / calculated / Annex 5 |
| | overall section width | : | 248 |
| | outer diameter | : | 839 |
| 7. | Factor 'x' | : | 0.75 |
| 8. | Ply-rating number for diagonal (bias ply) tyres | : | 16 |
| 9. | Rims on which the tyre can be mounted | : | 7.50 |
| 10. | Measuring rim and test rim | : | see attached test report |
| 11. | Tyre class | : | E2 / 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) | : | Jan 03, 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.



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.

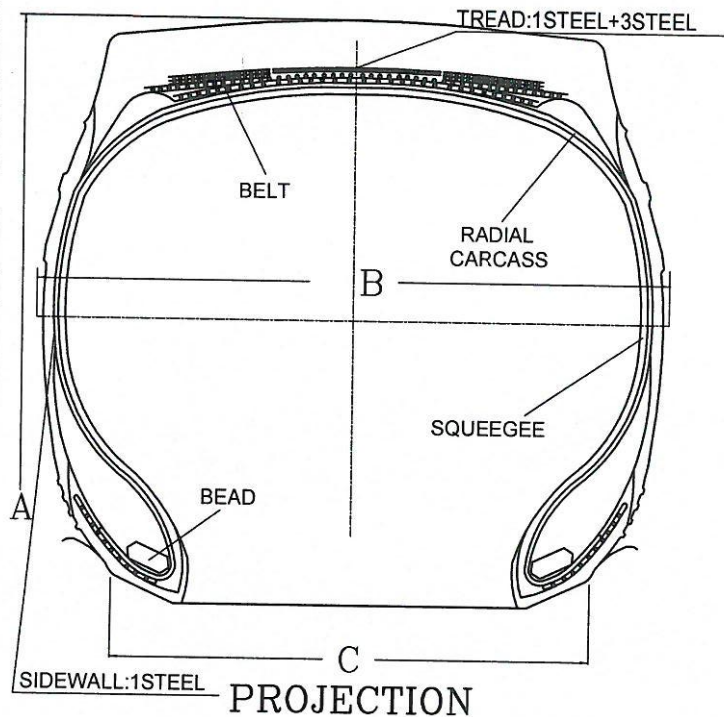
Approval number: E4-54R-0026349
Extension number: 02

- | | | |
|--------|--|--|
| 1. | Manufacturer's name or trade mark(s) on the tyre type | : HUALU; ANNAITE; HILO; XINGYUAN; FULLRUN; AMBERSTONE; ANTYRE; SYRON; <u>AUFINE</u> |
| 2. | Tyre type designation by the manufacturer | : 785; DL785; TB785; K-TIR195D2; <u>AF717</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 | : 245/70R19.5 |
| 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 | : M |
| 5.5.2. | additional (if applicable) | : --- |



- 5.6. Load-capacity indices:
- 5.6.1. Corresponding to nominal speed:
- single : 136
 - twinned (dual) : 134
- 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
Typrüfstelle Fahrzeuge/Fahrzeugteile
Am Grauen Stein
D-51105 Köln (Poll)
7. Date of report issued by that service : January 16, 2015
8. Number of report issued by that service : 86-R54-0199/15-00
9. Reason(s) of extension (if applicable) : Addition of trade mark and tyre type designation
10. Any remarks : ---
11. Place : Zoetermeer
12. Date : **17-FEB-2015**
13. Signature : 
F.L.A. Rodenburg RDW
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.

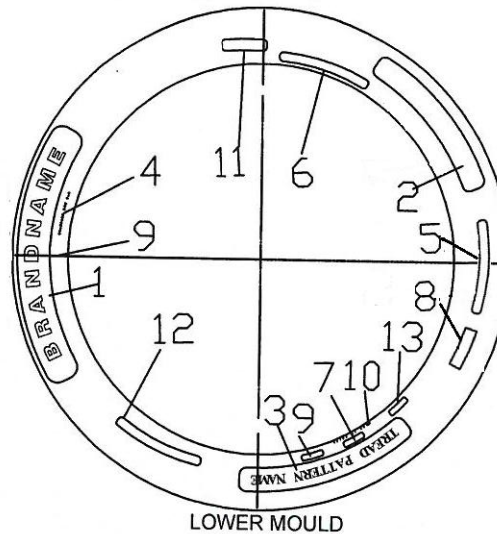
⁽¹⁾ Strike out what does not apply.



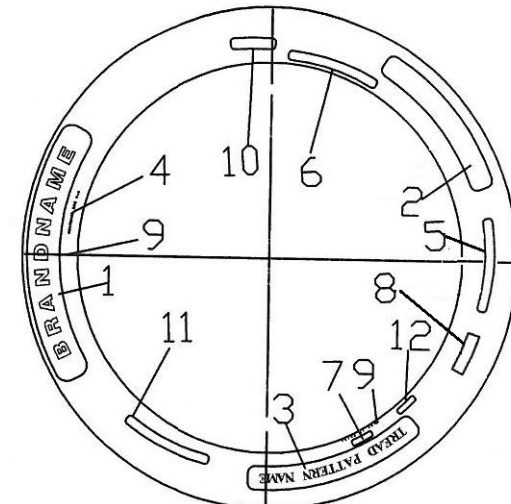
PROJECTION

TREAD PATTERN

REFER TO ATTACHMENT NO.010-2015



LOWER MOULD



UPPER MOULD

LOWER MOULD		UPPER MOULD	
1	REFER TO ATTACHMENT NO.010-2015	1	REFER TO ATTACHMENT NO.010-2015
2	245/70R19.5	2	245/70R19.5
3	REFER TO ATTACHMENT NO.010-2015	3	REFER TO ATTACHMENT NO.010-2015
4	STANDARD RIM 7.50	4	STANDARD RIM 7.50
5	136/134 M 16PR	5	136/134 M 16PR
6	PLIES: TREAD 4 STEEL SIDEWALL 1 STEEL; MAX LOAD SINGLE 2240 Kg(4940 LBS) AT 830 Kpa(120 PSI) COLD MAX LOAD DOUBLE 2120 Kg(4675 LBS) AT 830 Kpa(120 PSI) COLD	6	PLIES: TREAD 4 STEEL SIDEWALL 1 STEEL; MAX LOAD SINGLE 2240 Kg(4940 LBS) AT 830 Kpa(120 PSI) COLD MAX LOAD DOUBLE 2120 Kg(4675 LBS) AT 830 Kpa(120 PSI) COLD
7	DOT 66 SK BB24****(****--DATE CODE)	7	DOT 66 SK BB24****(****--DATE CODE)
8	SAFETY WARNING.....	8	SAFETY WARNING.....
9	Ⓔ 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		



245/70R19.5	136/134	M	TL	839	248	190.5	15.5
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

李磊

XINGYUAN TIRE GROUP Co.,Ltd.

ATTACHMENT NO.010-2015

TIRE SIZE 245/70R19.5 136/134 M

E4 *****

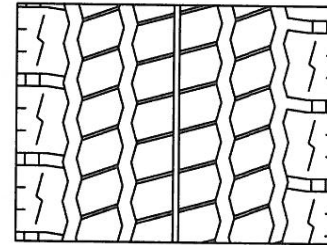
BRANDNAME

PATTERN CODE

TREAD PATTERN

AUFINE

AF717



Tyre size : 245/70R19.5
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-0026349 Ext. 02

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 : 245/70R19.5
 Manufacturer : Xingyuan Tire Group Co., Ltd.

0. General Information

- 0.1. Trade name or mark(s) : HUALU; ANNAITE; HILO; XINGYUAN; FULLRUN; AMBERSTONE; ANTYRE; SYRON; AUFINE
- 0.2. Tyre type designation(s) by the manufacturer : 785; DL785; TB785; K-TIR195D2; AF717
- 0.3. Tyre size designation : 245/70R19.5
- 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 : n/a
 -Date of issue : October 08, 2012
 -Date of last change : January 03, 2015

1. Tested object(s)

- 1.1. Object markings
 - Trade name or mark : HUALU
 - Tyre type designation : 785
 - Plies of Tread / Sidewall : 1 STEEL + 3 STEEL / 1 STEEL
 - Tyre size designation : 245/70R19.5
 - 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: M Supplementary: ---
 - Load-Capacity Indices(L.I.) corresponding to nominal speed : single: 136 twinned: 134
 - corresponding to supplementary speed : single: --- twinned: ---
 - Index of inflation pressure for testing : 120 PSI
 - Ply-rating number : 16 PR
 - Word in case of without inner tube : word "TUBELESS"
 - Word in case of tyre can be regrooved : word "REGROOVABLE"
 - Inscription in case of Free Rolling Tyre or Traction Tyre : n/a
 - Date of manufacture : 5012



Tyre size : 245/70R19.5
 Manufacturer : Xingyuan Tire Group Co., Ltd.

- 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 : 7.50 X 19.5
- Inflation pressure after mounting on measuring rim : 8.3 bar
- Inflation pressure before conditioning : 8.3 bar
- Conditioning of tyre : more than 24 hours
- Inflation pressure after conditioning : 8.3 bar
- Overall width at six equally spaced points
 - 1. 247.3 mm
 - 2. 247.1 mm
 - 3. 247.2 mm
 - 4. 247.3 mm
 - 5. 247.1 mm
 - 6. 247.1 mm
- Max.: 247.3 mm
- Circumference : 2635 mm
- Outer diameter : 838.7 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 : TB-2-TB(Y)
- Diameter of test drum : 1.707 m
- Test rim : 7.50 X 19.5
- Inflation pressure adjusted before conditioning : 8.3 bar
- Conditioning of tyre at ambient room temperature : more than 3 hours



Tyre size : 245/70R19.5
 Manufacturer : Xingyuan Tire Group Co., Ltd.

Test-room temperature : 26 °C
 Inflation pressure readjusted after conditioning : 8.3 bar
 Circumference before testing : 2635 mm
 Outer diameter : 838.7 mm
 100% load corresponding to L.I.(single) : 2240 kg

Step	Step duration [h]	Total duration [h]	Actual speed [min ⁻¹]	Test Load [%]	Test Load [kg]
1.	7	7	225	66	1478.4
2.	16	23	225	84	1881.6
3.	24	47	225	101	2262.4

Conditioning after testing : more than 6 hours
 Circumference after conditioning, after testing : 2638 mm
 Outer diameter : 839.7 mm
 Difference outer diameter before and after testing (max. 3.5 %) : 1.0 mm / 0.12 %
 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 : December 19 - 21, 2012
- 2.4. Remarks : The result of test refer to report No. 86-R54-1375/12

3. List of Appendices

Appendix 0 : List of modifications

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, / January 16, 2015
 SR / YZ



Su Rui
 Expert Technical Service



Tyre size : 245/70R19.5
Manufacturer : Xingyuan Tire Group Co., Ltd.

List of modifications

Appendix 0

Correction of : ---
Modification of : ---
Addition of : Trade mark and tyre type designation
Deletion of : ---

