

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- ~~approval withdrawn~~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*54R00/25*51336*01

- | | | |
|------|--|---|
| 1. | Manufacturer's name and address | : Hubei Aulice Tyre Co., Ltd. NO 7th, ZhongHe Road, YangXin Industrial Zone, HuBei Province, 435299 Huangshi City, China (PRC) |
| 2. | Tyre type designation ⁽²⁾ | |
| 2.1. | Brand-name(s) or trade mark(s) | : AULICE; VANLUSTONE; AOSOWING; ROCKSTAR; OLIVER; EUROMAX; <u>TRUSWIN; JUSBEST; SANTIAN; FEDCOIN;</u> <u>QUALID</u> |
| 2.2. | Trade description(s)/ Commercial name(s) | : AR819; AW002; TRM08; IT208; EM819; EM002; <u>AW819; AW878; PREDATOR;</u> <u>FLB450</u> |
| 3. | If applicable, name and address of the manufacturer's representative | : not applicable |
| 4. | Summarized description | |
| 4.1. | Size of tyre | : 315/80R22.5 |
| 4.2. | Category of use | : normal /snow/ special ⁽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 : K
- 4.5.2. additional (if applicable) : ---
- 4.6. Load-capacity indices:
- 4.6.1. Corresponding to nominal speed:
- single : 157
 - twinned (dual) : 154
- 4.6.2. Corresponding to additional speed:
- single : ---
 - twinned (dual) : ---
5. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV Rheinland Kraftfahrt GmbH
Technischer Dienst
Am Grauen Stein
51105 Köln, Germany
6. Date of report issued by that service : August 29, 2023
7. Number of report issued by that service : 86-R54-3542/23-00
8. Reason(s) of extension (if applicable) : Addition of trademarks and trade descriptions.
Upgrade of regulation supplement number.
9. Any remarks : ---
10. Place : Zoetermeer
11. Date : 22 September 2023
12. Signature : 
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**

- | | | | |
|--------|--|---|--|
| 1. | The Brand name(s) or trademark(s) ⁽²⁾ | : | AULICE; VANLUSTONE; AOSOWING; ROCKSTAR; OLIVER; EUROMAX; <u>TRUSWIN</u> ; <u>JUSBEST</u> ; <u>SANTIAN</u> ; <u>FEDCOIN</u> ; <u>QUALID</u> |
| 2. | Trade description(s) or Commercial name(s) ⁽²⁾ | : | AR819; AW002; TRM08; IT208; EM819; EM002; <u>AW819</u> ; <u>AW878</u> ; <u>PREDATOR</u> ; <u>FLB450</u> |
| 3. | Manufacturer's name and address | : | Hubei Aulice Tyre Co., Ltd. NO 7th, ZhongHe Road YangXin Industrial Zone, HuBei Province 435299 Huangshi City China (PRC) |
| 4. | If applicable, name and address of manufacturer's representative | : | not applicable |
| 5. | Summarised description, | | |
| 5.1. | Tyre size designation | : | 315/80R22.5 |
| 5.2. | Category of use | : | normal /special/snow ⁽⁺⁾ |
| 5.3. | Structure | : | diagonal (bias ply) /radial ⁽¹⁾ |
| 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:157, twinned (dual): 154 |
| 5.5.1. | corresponding to additional speed | : | single: --- , twinned (dual): --- |
| 6. | Overall dimensions | : | Calculated/ Annex 5 ⁽¹⁾ |
| | overall section width | : | 312 |
| | outer diameter | : | 1081.3 |
| 7. | Factor 'x' | : | 0.75 |
| 8. | Ply-rating number for diagonal (bias ply) tyres | : | --- |
| 9. | Rims on which the tyre can be mounted | : | 9.00 |
| 10. | Measuring rim and test rim | : | see attached test report |
| 11. | Tyre class | : | E2 / C3 ⁽¹⁾ |
| 12. | State whether the tyre is | : | tube less/ tube type ⁽⁺⁾ |
| 13. | Traction tyre | : | Yes / no (see the tread pattern detail in drawing) ⁽⁺⁾ |
| 14. | State if special use tyre | : | Yes / no ⁽⁺⁾ (with M+S inscription) |
| | Professional Off-Road | : | Yes / no ⁽⁺⁾ |
| | Tread depth / Void to fill ratio | : | n.a. |
| 15. | The inflation pressure for the dimension measurement and for the load/speed endurance test pressure | : | See attached test report |
| 16. | Submitted for approval on (date) | : | Aug 01, 2020 |

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 :

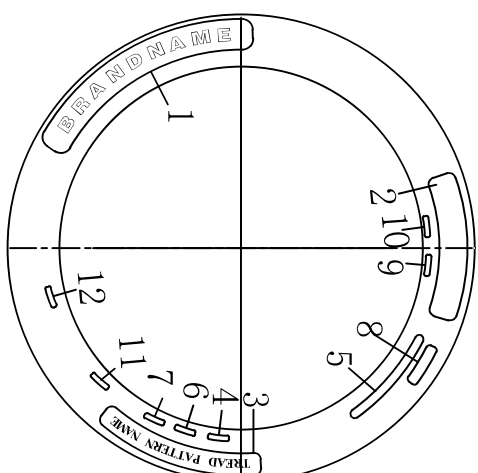
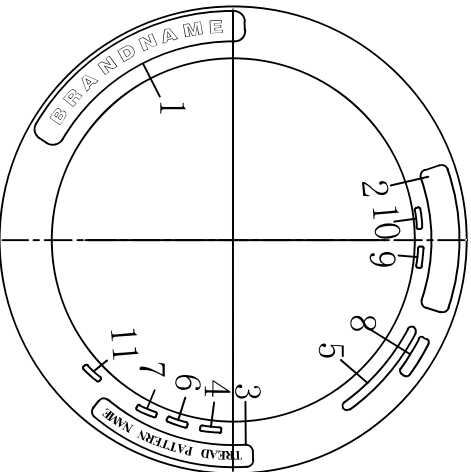
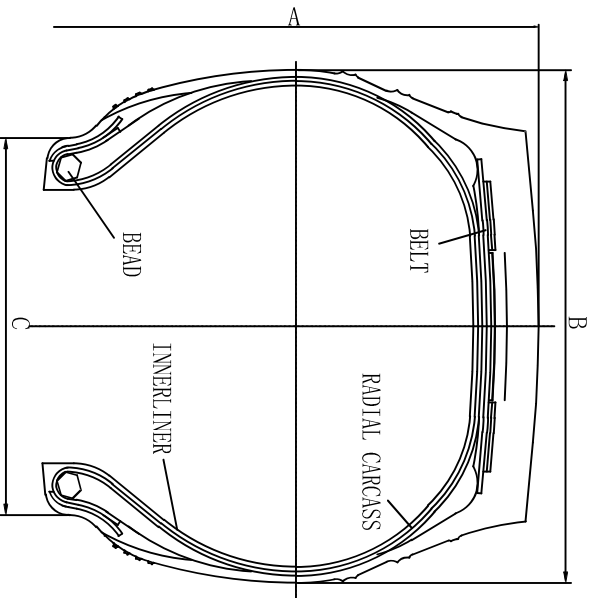
.....

Name: Wu Wenjun

THIS APPLICATION IS ACCOMPANIED BY:


(1) Strike out what does not apply.

(2) Modified points are underlined for extension.



UPPER MOULD

LOWER MOULD

| UPPER MOULD | | LOWER MOULD | |
|-------------|---|-------------|---|
| 1 | BRAND NAME (REFER TO ATTACHMENT NO.05-2020) | 1 | BRAND NAME (REFER TO ATTACHMENT NO.05-2020) |
| 2 | 315/80R22.5 | 2 | 315/80R22.5 |
| 3 | TREAD PATTERN NAME (REFER TO ATTACHMENT NO.05-2020) | 3 | TREAD PATTERN NAME (REFER TO ATTACHMENT NO.05-2020) |
| 4 | ALL STEEL RADIAL | 4 | ALL STEEL RADIAL |
| 5 | PLATES:TREAD 4 STEEL, SIDEWALL 1 STEEL. MAX. LOAD SINGLE 4125kg (9100 lbs) AT 900kPa (130 psi) COLD MAX. LOAD DUAL 3750kg (8270 lbs) AT 900kPa (130 psi) COLD | 5 | PLATES:TREAD 4 STEEL, SIDEWALL 1 STEEL. MAX. LOAD SINGLE 4125kg (9100 lbs) AT 900kPa (130 psi) COLD MAX. LOAD DUAL 3750kg (8270 lbs) AT 900kPa (130 psi) COLD |
| 6 | REGROOVABLE | 6 | REGROOVABLE |
| 7 | TUBELESS | 7 | TUBELESS |
| 8 | 157/154K | 8 | 157/154K |
| 9 | MADE IN CHINA | 9 | MADE IN CHINA |
| 10 | STANDARD RIM 9.00 | 10 | STANDARD RIM 9.00 |
| 11 | M+S | 11 | M+S  00***** |
| | | 12 | DOT 11B** ***** (****—DATE CODE) |

TREAD PATTERNS

REFER TO ATTACHMENT NO.05-2020

| | | | | | | | |
|-------------|------------|--------------|------|--------|--------|--------|------------|
| 315/80R22.5 | 157/154 | K | TL | 1076 | 312 | 228.5 | DRAFT DATE |
| TYRE SIZE | LOAD INDEX | SPEED SYMBOL | TYPE | A (mm) | B (mm) | C (mm) | 2020-08-01 |

| | | | |
|----------|------------|-------------|-----------------------------|
| DRAWN BY | CHECKED BY | APPROVED BY | HUBEI AULICE TYRE CO., LTD. |
|----------|------------|-------------|-----------------------------|

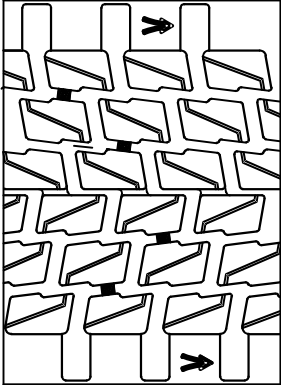
ATTACHMENT NO. 05-2020

TIRE SIZE 315/80R22.5 157/154K

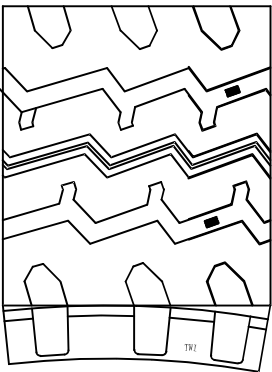
00*****

| BRAND NAME | TREAD PATTERN NAME | | | |
|------------|--------------------|-------|----------|-------|
| AULICE | AR819 | AW002 | AW819 | AW878 |
| VANLUSTONE | AR819 | AW002 | AW819 | AW878 |
| AOSOWING | AR819 | AW002 | AW819 | AW878 |
| ROCKSTAR | | TRM08 | | |
| OLIVER | | IT208 | | |
| EUROMAX | | EM002 | EM819 | |
| TRUSWIN | | AW002 | AW819 | AW878 |
| JUSBEST | | AW002 | AW819 | AW878 |
| SANTIAN | | AW002 | AW819 | AW878 |
| QUALID | | | PREDATOR | |
| FEDCOIN | | | FLB450 | |
| | | | | |

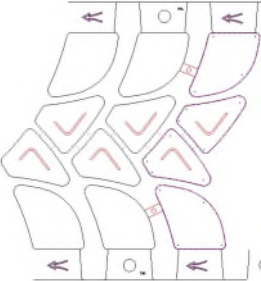
TREAD PATTERNS



AR819/DR14-AW819
SKID DEPTH: 20.0mm



AW002/A101
SKID DEPTH: 15.5mm



AW878
SKID DEPTH: 18.0mm

Test Report No. 86-R54-3542/23-00

Type : 315/80R22.5
Manufacturer : Hubei Aulice Tyre Co., Ltd.

TEST REPORT

according to UN-Regulation

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

UN-Regulation No. 54

including all amendments until
Amend.00, Suppl. 25

Approval Status

UN approval : E4*54R00/24*51336*00

Structure of the Test Report

Item No.

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

The Test Report shall be reproduced and published only in its entirety by the client. It may however be reproduced and published partially, but only with the written permission of the Technical Service.

Test Report No. 86-R54-3542/23-00

Type : 315/80R22.5
 Manufacturer : Hubei Aulice Tyre Co., Ltd.

0. General Information

- 0.1. Make (trade name of the manufacturer) : Hubei Aulice Tyre Co., Ltd.
- 0.2. Type : 315/80R22.5
- 0.3. Category of vehicle : Not applicable
- 0.4. Name and address of the manufacturer : Hubei Aulice Tyre Co., Ltd.
 NO 7th, ZhongHe Road,
 YangXin Industrial Zone, HuBei Province,
 435299 Huangshi City, China (PRC)
- 0.5. No. of the information folder : Not applicable
 -Date of issue : ---
 -Date of last change : ---

1. Tested ~~vehicle(s)~~ / object(s)

- 1.1. Description
- 1.1.1. ~~Vehicle~~ / object
- Commercial description : Not applicable
- Type(s) ~~/variant(s)/version(s)~~ : 315/80R22.5
- Identification number : See Appendix 1
- 1.1.2. Condition of ~~vehicle(s)~~ / Object(s) : New ~~/used / pretested~~
- 1.2. Worst case selection : The determination of "worst case configuration" (WCC) has to be done according to type approval process (MS-0000480), section 5.6.
- ~~No worst case assessment required (only one variant/version or no variants/versions)~~
- ~~There is no worst case selection applicable because all versions mentioned in the information folder are tested.~~
- Paperwork extension, please see previous test report(s) for worst case information.
- 1.3. Remarks : Not applicable

Type : 315/80R22.5
Manufacturer : Hubei Aulice Tyre Co., Ltd.

2. Test record

- 2.1. Equipment for measuring and testing : The test facilities / measurement equipment used were in compliance with the test requirements
- 2.1.1. Specifications for the test site : Not applicable
- 2.1.2. Subcontracting : Not applicable
- 2.2. Test results : See Appendix 1
- Numbering according to Paragraph 6. and 7. of the UN Regulation No. 54
- 2.2.1. Test results referring to measurements : Pass ~~/Fail~~
- 2.2.2. Attributive tests : Not applicable
- 2.2.3. Alternative test provisions : Not applicable
- Remarks concerning extension ~~The type has been tested according to the modification(s) mentioned in appendix 0.~~
~~The new parts meet the requirements of the regulation.~~
An actual practical test of the type was not necessary.
The results of the previous test(s) are still valid.
- 2.3. Additional information : The results of the test refer exclusively to the object(s) mentioned under point 1. of this report.
- Test site : Hubei Aulice Tyre Co., Ltd.
NO 7th, ZhongHe Road,
YangXin Industrial Zone, HuBei Province,
435299 Huangshi City, China (PRC)
- Test date : August 26 to 28, 2020
- 2.4. Remarks : Not applicable

Type : 315/80R22.5
Manufacturer : Hubei Aulice Tyre Co., Ltd.

3. List of Appendices

Appendix 0 : List of modifications
Appendix 1 : Test minutes

4. Statement of conformity

The Information Document listed in section 0.5., and the type described therein, comply with the requirements stated on page 1. The test results in this report refer to the ~~vehicle(s)~~ object(s) described under section 1.1. With regards to the required level of performance to be achieved, the tested samples were representative for the type to be approved (see section 1.2).

Qingdao / August 29, 2023
LX/LXY



Liu Xin
Expert Technical Service

Type : 315/80R22.5
Manufacturer : Hubei Aulice Tyre Co., Ltd.

List of modifications**Appendix 0**

Correction of : ---

Modification of : Upgrade of regulation supplement number.

Addition of : Trademarks and trade descriptions

Deletion of : ---

Type : 315/80R22.5
 Manufacturer : Hubei Aulice Tyre Co., Ltd.

Test minutes

Appendix 1

1. Test data**1.1 Object markings**

- | | | | |
|--------|---|--|--------------------|
| 1.1.1 | Trade name or mark | : AULICE | |
| 1.1.2 | Tyre type designation | : AW002 | |
| 1.1.3 | Plies of Tread / Sidewall | : 4 STEEL / 1 STEEL | |
| 1.1.4 | Tyre size designation | : 315/80R22.5 | |
| 1.1.5 | Category of use | : Snow | |
| | Indication of category of use | : word "M+S" | |
| 1.1.6 | Structure | : Radial | |
| | Indication / symbol of structure | : Word "RADIAL", letter "R" in front of rim diameter marking | |
| 1.1.7 | Speed category | : Nominal: K | Supplementary: --- |
| 1.1.8 | Load-Capacity Indices(L.I.) | | |
| | corresponding to nominal speed | : Single: 157 | Twinned: 154 |
| | corresponding to supplementary speed | : Single: --- | Twinned: --- |
| 1.1.9 | Index of inflation pressure for testing | : 130PSI | |
| 1.1.10 | Ply-rating number | : 20PR | |
| 1.1.11 | Word in case of without inner tube | : TUBELESS | |
| 1.1.12 | Word in case of tyre can be regrooved | : REGROOVABLE | |
| 1.1.13 | Inscription in case of Free Rolling Tyre or Traction Tyre | : Not applicable | |
| 1.1.14 | Date of manufacture | : 3220 | |

1.2. Dimension measurement according to Annex 6

- | | | |
|-------|--|----------------------|
| 1.2.1 | Measuring rim | : 9.00 x 22.5 |
| 1.2.2 | Inflation pressure after mounting on measuring rim | : 9.0 bar |
| 1.2.3 | Inflation pressure adjusted before conditioning | : 9.0 bar |
| 1.2.4 | Conditioning of tyre | : More than 24 hours |
| 1.2.5 | Inflation pressure readjusted after conditioning | : 9.0 bar |
| 1.2.6 | Overall width at six equally spaced points | |
| | 1. 311 mm 2. 312 mm 3. 309 mm | |
| | 4. 310 mm 5. 311 mm 6. 309 mm | |
| | Max.: 312 mm | |

Test Report No. 86-R54-3542/23-00

Type : 315/80R22.5
Manufacturer : Hubei Aulice Tyre Co., Ltd.

- 1.2.7 Circumference : 3397 mm
 1.2.8 Outer diameter : 1081.3 mm
 1.2.9 Tread depth / void to fill ratio in case of special use tyre : Not applicable

1.3. Load/speed performance test according to Annex 7

- 1.3.1 Test machine : GX-YLN-1212
 1.3.2 Diameter of test drum : 1.707 m
 1.3.3 Test rim : 9.00 x 22.5
 1.3.4 Inflation pressure adjusted before conditioning : 9.0 bar
 1.3.5 Conditioning of tyre : More than 3 hours
 1.3.6 Test-room temperature : 39°C
 1.3.7 Inflation pressure readjusted after conditioning : 9.0 bar
 1.3.8 100% load corresponding to L.I.(single) : 4125 kg

| Step | Step duration [h] | Total duration [h] | Actual speed [km.h ⁻¹] | Test Load [%] | Test Load [kg] |
|------|----------------------|-----------------------|---------------------------------------|------------------|-------------------|
| 1. | 7 | 7 | 56 | 66 | 2722.5 |
| 2. | 16 | 23 | 56 | 84 | 3465.0 |
| 3. | 24 | 47 | 56 | 101 | 4166.2 |

- 1.3.9 Inspection after test : The tyre does not exhibit tread separation, ply separation, cord separation, chunking or broken cords.

- 2. Remarks** : The test data refer to report No.: 86-R54-1061/22-00 corresponding to type approval No. E4*54R00/24*51336*00