

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

**COMMUNICATION**

Concerning <sup>(1)</sup>:

- ~~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- ~~approval withdrawn~~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\*33756\*03**

- |        |  |  |
|--------|--|--|
| 1.     | Manufacturer's name and address                                      | : Shandong Changfeng Tyres Co., Ltd.<br>High-tech Development Zone, Guangrao County,<br>Dongying City, 257335 Shandong Province,<br>China(PRC) |
| 2.     | Tyre type designation <sup>(2)</sup>                                 |  |
| 2.1.   | Brand-name(s) or trade mark(s)                                       | : See annex 1 of communication form  |
| 2.2.   | Trade description(s)/ Commercial name(s)                             | : See annex 1 of communication form  |
| 3.     | If applicable, name and address of the manufacturer's representative | : not applicable   |
| 4.     | Summarized description   |  |
| 4.1.   | Tyre-size designation  | : 385/55R22.5  |
| 4.2.   | Category of use  | : <del>normal</del> /snow/ <del>special</del> <sup>(1)</sup>   |
| 4.3.   | Structure  | : <del>diagonal(bias ply)</del> /radial <sup>(1)</sup>   |
| 4.4.   | Tyre class   | : <del>E2</del> /C3 <sup>(1)</sup>   |
| 4.5.   | Speed category symbol:   |  |
| 4.5.1. | Nominal  | : K  |
| 4.5.2. | additional (if applicable)   | : L  |



4.6. Load-capacity indices:

4.6.1. Corresponding to nominal speed:  
- single : 160  
- twinned (dual) : ---

4.6.2. Corresponding to additional speed:  
- single : 158  
- 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 Cologne,  
Germany

6. Date of report issued by that service : July 21, 2023

7. Number of report issued by that service : 86-R54-2868-23-00

8. Reason(s) of extension (if applicable) : Addition of brand name and trade description.  
Upgrade of the regulation supplement number.  
Upgrade of type approval number.

9. Any remarks : ---

10. Place : Zoetermeer

11. Date : 15 August 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.

Annex 1

2. Tyre type designation <sup>(2)</sup>

2.1. Brand-name(s) or trade mark(s) :

HIFLY; OVATION; ECOVISION; SUNFULL; CACHLAND; ONYX; MIRAGE; CHANGFENG;  
RUIFULAI; FESITE; Green dragon; Agate; TORQUE; CRYSTAL; SATOYA; Satoya; ETERNITY;  
SYRON; GALLANT; ROADWING; TOWNHALL

2.2. Trade description(s)/ Commercial name(s) :

HTL311; ETL311; STL311; 171CTL; NTL311; MTL311; FTL311; ST-080; ETY622; K-TIR  
LONGLIFE; GTL311; DTL311; TTL311

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(1) Strike out what does not apply.

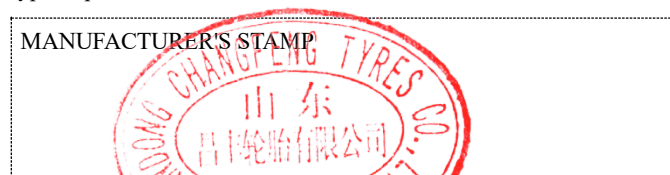
(2) A list of Brand name(s)/trademark(s) or Trade description(s)/ Commercial name(s) may be annexed to this communication



**APPLICATION FOR EXTENSION 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) <sup>(2)</sup>  | : | HIFLY; OVATION; ECOVISION; SUNFULL; CACHLAND; ONYX; MIRAGE; CHANGFENG; RUIFULAI; FESITE; Green dragon; Agate; TORQUE; CRYSTAL; SATOYA; Satoya; ETERNITY; SYRON; <u>GALLANT; ROADWING; TOWNHALL</u> |
| 2.     | Trade description(s) or Commercial name(s) <sup>(2)</sup>   | : | HTL311; ETL311; STL311; 171CTL; NTL311; MTL311; FTL311; ST-080; ETY622; K-TIR LONGLIFE; <u>GTL311; DTL311; TTL311</u>  |
| 3.     | Manufacturer's name and address   | : | <u>Shandong Changfeng Tyres Co., Ltd.</u><br><u>High-tech Development Zone, Guangrao County,</u><br><u>Dongying City, Shandong Province, 257335 China</u><br><u>(PRC)</u>                          |
| 4.     | If applicable, name and address of manufacturer's representative                                    | : | not applicable   |
| 5.     | Summarised description,   |   |  |
| 5.1.   | Tyre size designation   | : | 385/55R22.5  |
| 5.2.   | Category of use   | : | <del>normal/special</del> /snow <sup>(1)</sup>   |
| 5.3.   | Structure   | : | <del>diagonal (bias ply)</del> /radial <sup>(1)</sup>  |
| 5.4.   | Speed category symbol   |   |  |
| 5.4.1. | Nominal   | : | K  |
| 5.4.2. | Additional (if applicable)  | : | L  |
| 5.5.   | Load capacity indices   |   |  |
| 5.5.1. | corresponding to nominal speed  | : | single: 160, twinned (dual): ---   |
| 5.5.1. | corresponding to additional speed   | : | single: 158 , twinned (dual): ---  |
| 6.     | Overall dimensions  | : | Calculated/ <del>Annex 5</del> <sup>(4)</sup>  |
|        | overall section width   | : | 386  |
|        | outer diameter  | : | 1000   |
| 7.     | Factor 'x'  | : | 0.8  |
| 8.     | Ply-rating number for diagonal (bias ply) tyres   | : | 20   |
| 9.     | Rims on which the tyre can be mounted   | : | 12.25  |
| 10.    | Measuring rim and test rim  | : | see attached test report   |
| 11.    | Tyre class  | : | <del>C2</del> / C3 <sup>(1)</sup>  |
| 12.    | State whether the tyre is   | : | tube less / <del>tube type</del> <sup>(1)</sup>  |
| 13.    | Traction tyre   | : | <del>Yes / no (see the tread pattern detail in drawing)</del> <sup>(1)</sup>   |
| 14.    | State if special use tyre   | : | <del>Yes / no</del> <sup>(1)</sup> (with M+S inscription)  |
|        | Professional Off-Road   | : | <del>Yes / no</del> <sup>(1)</sup>   |
|        | 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)  | : | Jul 4, 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.



Signature :

朱立新

Name: Zhu Lixin

THIS APPLICATION IS ACCOMPANIED BY:

(1) Strike out what does not apply.

(2) Modified points are underlined for extension.

- 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.

**Test Report No. 86-R54-2868-23-00**

**Type : 385/55R22.5**  
**Manufacturer : Shandong Changfeng Tyres Co., Ltd.**

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## **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

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Approval Status

UN approval : E4-54R-0033756 Ext.02

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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 in full by the client only. It shall however be reproduced partially with the written permission of the Technical Service.

## Test Report No. 86-R54-2868-23-00

Type : 385/55R22.5  
 Manufacturer : Shandong Changfeng Tyres Co., Ltd.

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**0. General Information**

- 0.1. Make (trade name of the manufacturer) : Shandong Changfeng Tyres Co., Ltd.
- 0.2. Type : 385/55R22.5
- 0.3. Category of vehicle : Not applicable
- 0.4. Name and address of the manufacturer : Shandong Changfeng Tyres Co., Ltd.  
 High-tech Development Zone, Guangrao County,  
 Dongying City, 257335 Shandong Province,  
 China(PRC)
- 0.5. No. of the information folder : Not applicable  
 -Date of issue : ---  
 -Date of last change : July 11, 2023

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

- 1.1. Description
- 1.1.1. ~~Vehicle~~/ object
- Commercial description : Not applicable
- Type(s) ~~/variant(s)/version(s)~~ : 385/55R22.5
- Identification number : See Appendix 1
- 1.1.2. Condition of ~~vehicle(s)~~/Object(s) : New ~~/used/protected~~
- 1.2. Worst case selection : The determination of the worst case was done according to internal procedures of the Technical Service (MS-0000480 section 5.6).  
~~Only one variant/version, so no worst case assessment required.~~  
~~There is no worst case selection applicable because all variants mentioned in the information folder are tested.~~  
 Paperwork extension, please see previous test report(s) for worst case information.
- 1.3. Remarks : Not applicable

**Test Report No. 86-R54-2868-23-00**

**Type** : 385/55R22.5  
**Manufacturer** : Shandong Changfeng Tyres Co., Ltd.

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**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 : Shandong Changfeng Tyres Co., Ltd.  
 High-tech Development Zone, Guangrao County,  
 Dongying City, 257335 Shandong Province,  
 China(PRC)
- Test date : October 11-14, 2015
- 2.4. Remarks : Not applicable



**Type** : 385/55R22.5  
**Manufacturer** : Shandong Changfeng Tyres Co., Ltd.

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**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 / July 21, 2023

WMJ



Mingjun Wu  
Technical Expert Technical Service

**Type** : 385/55R22.5  
**Manufacturer** : Shandong Changfeng Tyres Co., Ltd.

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**List of modifications****Appendix 0**

Correction of	: ---
Modification of	: Upgrade of type approval number. Upgrade of the regulation supplement number.
Addition of	: Brand name and trade description.
Deletion of	: ---

**Type** : 385/55R22.5  
**Manufacturer** : Shandong Changfeng Tyres Co., Ltd.

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## Test minutes

## Appendix 1

**1. Test data****1.1 Object markings**

- |        |   |   |  |                  |
|--------|---|---|--|------------------|
| 1.1.1  | Trade name or mark  | : | OVATION  |                  |
| 1.1.2  | Tyre type designation                                     | : | ETL311   |                  |
| 1.1.3  | Plies of Tread / Sidewall                                 | : | 4 STEEL / 1 STEEL  |                  |
| 1.1.4  | Tyre size designation                                     | : | 385/55R22.5  |                  |
| 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: L |
| 1.1.8  | Load-Capacity Indices(L.I.)                               |   |  |                  |
|        | corresponding to nominal speed                            | : | Single: 160  | Twinned: ---     |
|        | corresponding to supplementary speed                      | : | Single: 158  | Twinned: ---     |
| 1.1.9  | Index of inflation pressure for testing                   | : | 900 kPa  |                  |
| 1.1.10 | Ply-rating number   | : | 20 PR  |                  |
| 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                                       | : | 4015   |                  |

**1.2. Dimension measurement according to Annex 6**

- |       |  |             |                    |
|-------|--|-------------|--------------------|
| 1.2.1 | Measuring rim                                      | :           | 12.25 x 22.5       |
| 1.2.2 | Inflation pressure after mounting on measuring rim | :           | 900 kPa            |
| 1.2.3 | Inflation pressure adjusted before conditioning    | :           | 900 kPa            |
| 1.2.4 | Conditioning of tyre                               | :           | More than 24 hours |
| 1.2.5 | Inflation pressure readjusted after conditioning   | :           | 900 kPa            |
| 1.2.6 | Overall width at six equally spaced points         |             |                    |
|       | 1. 385.9 mm  | 2. 385.4 mm | 3. 385.7 mm        |
|       | 4. 385.4 mm  | 5. 385.7 mm | 6. 385.6 mm        |
|       | Max.: 385.9 mm                                     |             |                    |

**Test Report No. 86-R54-2868-23-00**

**Type** : 385/55R22.5  
**Manufacturer** : Shandong Changfeng Tyres Co., Ltd.

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- 1.2.7 Circumference : 3141 mm  
 1.2.8 Outer diameter : 999.8 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 : PC/LT-2-200-Y  
 1.3.2 Diameter of test drum : 1.707 m  
 1.3.3 Test rim : 12.25 x 22.5  
 1.3.4 Inflation pressure adjusted before conditioning : 900 kPa  
 1.3.5 Conditioning of tyre : More than 3 hours  
 1.3.6 Test-room temperature : 24°C  
 1.3.7 Inflation pressure readjusted after conditioning : 900 kPa  
 1.3.8 100% load corresponding to L.I.(single) : 4500 kg

Step	Step duration [h]	Total duration [h]	Actual speed [km/h]	Test Load [%]	Test Load [kg]
1.	7	7	64	66	2970
2.	16	23	64	84	3780
3.	24	47	64	101	4545

- 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-R54-2323/17-00 corresponding to type approval No. E4-54R-033756 Ext.02 Cor.01