

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- ~~approval withdrawn~~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-0033784
Extension number: 01

- | | | |
|------|--|---|
| 1. | Manufacturer's name and address | : Shengtai Group Co., Ltd
Xishui Industrial Area, Guangrao County,
DONGYING CITY, SHANGDONG PROVINCE,
257336 China(PROC) |
| 2. | Tyre type designation ⁽²⁾ | |
| 2.1. | Brand-name(s) or trade mark(s) | : THREE-A; YATAI; YATONE; AOTELI;
SHENGTAI; AUFINE; FULLWAY;
SUMOAKINA; LONGWAY; ZEETEX;
<u>Rapid; TOLEDO</u> |
| 2.2. | Trade description(s)/ Commercial name(s) | : T298; AF27; TB699; SSD88; LDR28; ZDH4 vfm;
<u>DR539</u> |
| 3. | If applicable, name and address of the manufacturer's representative | : not applicable |
| 4. | Summarized description | |
| 4.1. | Size of tyre | : 295/80R22.5 |
| 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 : J
- 4.5.2. additional (if applicable) : ---
- 4.6. Load-capacity indices:
- 4.6.1. Corresponding to nominal speed:
- single : 152
 - twinned (dual) : 149
- 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
Technologiezentrum Verkehrssicherheit
Typprüfstelle Fahrzeuge/Fahrzeugteile
Am Grauen Stein
D-51105 Köln (Poll)
6. Date of report issued by that service : September 04, 2018
7. Number of report issued by that service : 86-R54-3073/18-00
8. Reason(s) of extension (if applicable) : Addition of trade marks and trade description
9. Any remarks : ---
10. Place : Zoetermeer
11. Date : 24-SEP-2018
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.



P. van Tol

-
- (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 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⁾ | : | THREE-A; YATAI; YATONE; AOTELI; SHENGTAI; AUFINE
FULLWAY; SUMOAKINA; LONGWAY; ZEETEX; <u>Rapid;</u>
<u>TOLEDO</u> |
| 2. | Tyre type designation by the manufacturer ⁽²⁾ | : | T298; AF27; TB699; SSD88; LDR28; ZDH4 vfm; <u>DR539</u> |
| 3. | Manufacturer's name and address | : | Shengtai Group Co., Ltd.
Xishui Industrial Area, Guangrao county,
Dongying city, Shandong province, 257336
P.R.China |
| 4. | If applicable, name and address of
manufacturer's representative | : | not applicable |
| 5. | Summarised description, | | |
| 5.1. | Tyre size designation | : | 295/80R22.5 |
| 5.2. | Category of use | : | normal /special/snow ⁽¹⁾ |
| 5.3. | Structure | : | diagonal (bias ply) /radial ⁽¹⁾ |
| 5.4. | Speed category symbol | | |
| 5.4.1. | Nominal | : | J |
| 5.4.2. | Additional (if applicable) | : | not applicable |
| 5.5. | Load capacity indices | | |
| 5.5.1. | corresponding to nominal speed | : | single: 152, twinned (dual): 149 |
| 5.5.1. | corresponding to additional speed | : | single: ---, twinned (dual): --- |
| 6. | Overall dimensions(design) | : | calculated/ Annex 5(1) |
| | overall section width | : | 305 |
| | outer diameter | : | 1044 |
| 7. | Factor 'x' | : | 0.75 |
| 8. | Ply-rating number for diagonal (bias ply) tyres | : | 18 |
| 9. | Rims on which the tyre can be mounted | : | 9.00 |
| 10. | Measuring rim and test rim | : | see attached test report |
| 11. | Tyre class | : | C2 / C3 ⁽¹⁾ |
| 12. | State whether the tyre is | : | tube less / tube type ⁽¹⁾ |
| 13. | Traction tyre | : | Yes / no (see the tread pattern detail in drawing) ⁽¹⁾ |
| 14. | State if special use tyre | : | n.a. |
| | Professional Off-Road | : | Yes / no ⁽¹⁾ |
| | 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) | : | August. 06, 2018 |

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: Song Shiliang

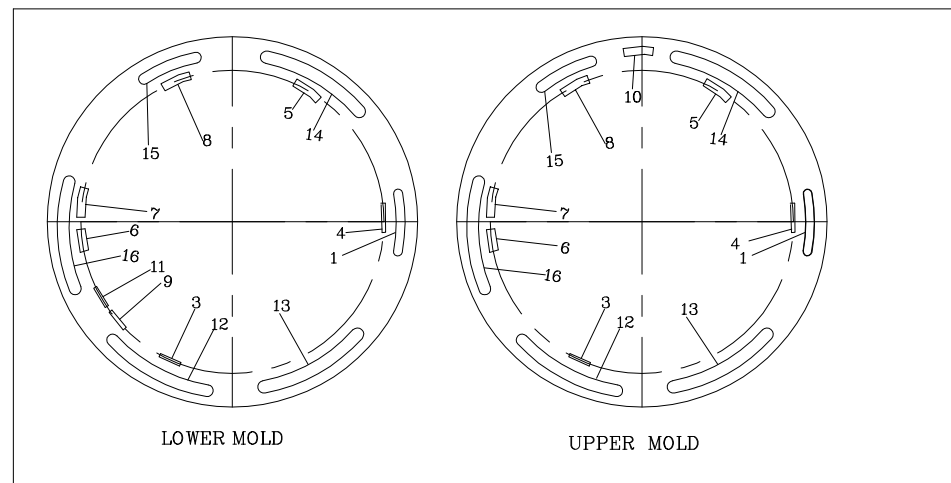
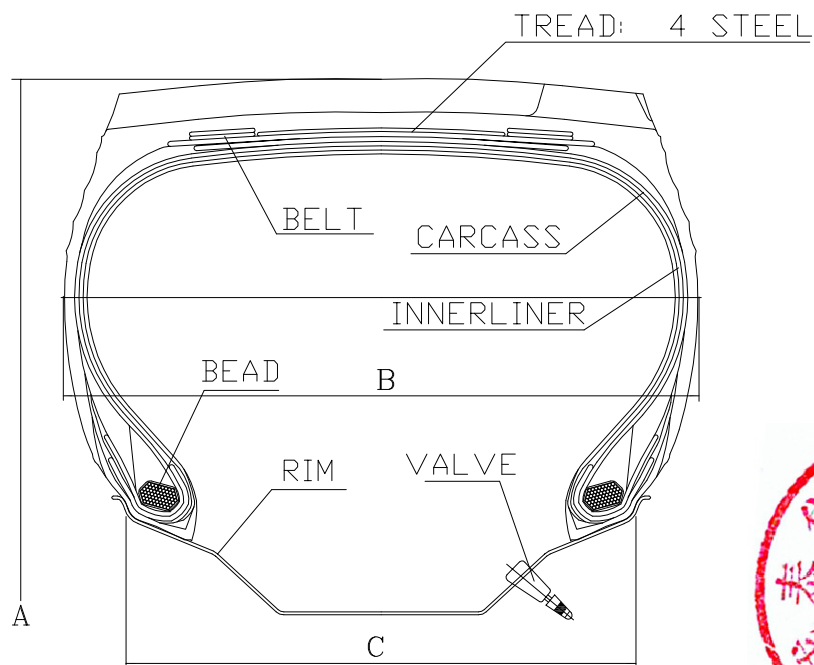


THIS APPLICATION IS ACCOMPANIED BY:

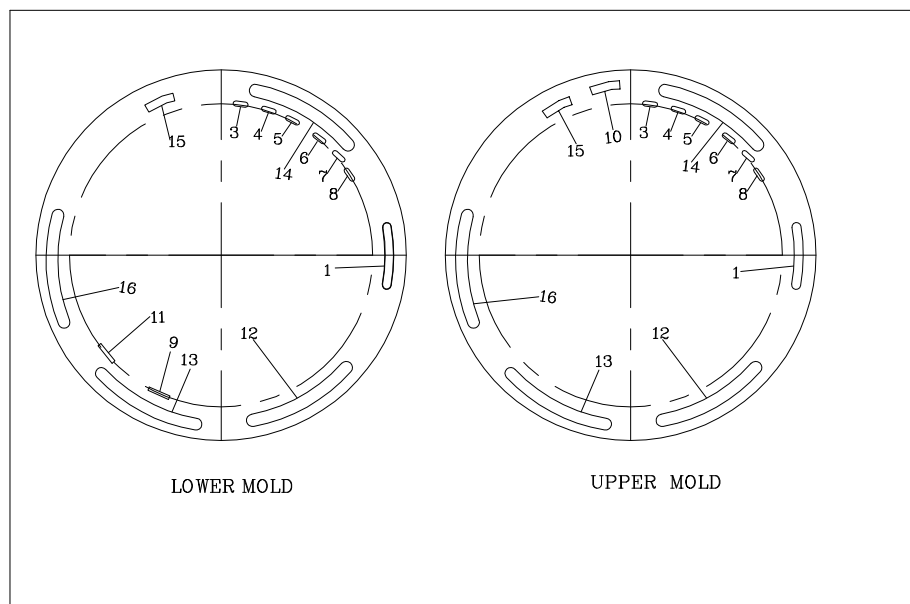
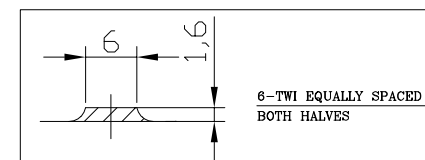
- A drawing of the tyre's side wall, tread and dimensioned cross section.
- The test report.

(1) Strike out what does not apply.

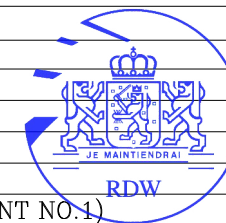
(2) Modified points are underlined for extension.



TREAD PATTERNS
REFER TO ATTACHMENT NO.1



	PLIES: TREAD STEEL 4 SIDEWALL STEEL 1						
1	MAX.LOAD: SINGLE 3550Kg (7830LBS) AT 900KPa(130PSI) COLD						
	MAX.LOAD: DUAL 3250Kg (7160LBS) AT 900KPa(130PSI) COLD						
2	BRAND LIGHTLY HERE						
3	REGROOVABLE						
4	ALL STEEL RADIAL						
5	MADE IN CHINA						
6	TUBELESS M+S						
7	RIM 9.00						
8	MOULD CODE						
9	DOT KWTL **** * (DATE CODE)						
10	A034469						
11	E40033784						
12	SAFETY WARNING :						
13	Tread Pattern Name(REFER TO ATTACHMENT NO.1)						
14	Trade Mark (REFER TO ATTACHMENT NO.1)						
15	152/149J 18PR L.R.J						
16	295/80R22.5						
295/80R22.5	152/149	J	TL	1044	298	228.6	19.5
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)	SKID DEPTH (mm)



DRAWN BY	冯海霞	CHECKED BY	马志	APPROVED BY	马志	SHENGTAI GROUP CO.,LTD.	
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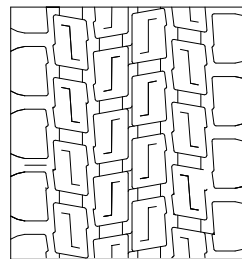
ATTACHMENT NO.1

TIRE SIZE:295/80R22.5 152/149J 18PR

APPROVAL No.:E4-54R-0033784

No.	Trade Mark		Tread Pattern Name
	UPPER MOLD	LOWER MOLD	
1	三 A A	ATHREE-A	T298
2	亚 泰	YATAI	T298
3	亚 通	YATONE	T298
4	奥 特 利	AOTELI	T298
5	盛 泰	SHENGTAI	T298
6	AUFINETM	AUFINETM	AF27
7	FULLWAY	FULLWAY	TB699
8	SUMO AKINA	SUMO AKINA	SSD88
9	LONGWAY	LONGWAY	LDR28
10	ZEETEX	ZEETEX	ZDH4 vfm
11	TOLEDO	TOLEDO	DR539
12	Rapid	Rapid	T298

TREAD PATTERNS



T298/AF27/TB699/SSD88/LDR28/ZDH4 vfm/DR539

DRAWN BY

冯海霞

CHECKED BY

冯海霞

APPROVED BY

冯海霞

SHENG TAI GROUP CO.,LTD.



Type : 295/80R22.5
Manufacturer : Shengtai Group 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. 22

Approval Status

UN approval : E4-54R-0033784 Ext.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 in full by the client only. It shall however be reproduced partially with the written permission of the Testing Laboratory only.

Type : 295/80R22.5
 Manufacturer : Shengtai Group Co., Ltd

0. General Information

- 0.1. Make (trade name of the manufacturer) : Shengtai Group Co., Ltd
 0.2. Type : 295/80R22.5
 0.3. Category of vehicle : Not applicable
 0.4. Name and address of the manufacturer : Shengtai Group Co., Ltd
 Xishui Industrial Area, Guangrao County,
 DONGYING CITY, SHANGDONG PROVINCE,
 257336 China(PROC)
 0.5. No. of the information folder : Not applicable
 -Date of issue : ---
 -Date of last change : August 06, 2018

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

- 1.1. Description
 1.1.1. ~~Vehicle~~ object
 Commercial description : Not applicable
 Type(s) ~~variant(s)~~ ~~version(s)~~ : 295/80R22.5
 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 (QMA 1.301.005, section 6.2.2.2.).
 1.3. Remarks : Not applicable



Type : 295/80R22.5
 Manufacturer : Shengtai Group 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 : Shengtai Group Co., Ltd
 Xishui Industrial Area, Guangrao County,
 DONGYING CITY, SHANGDONG PROVINCE,
 257336 China(PROC)
- Test date : April 14- 16, 2016
- 2.4. Remarks : Not applicable



Type : 295/80R22.5
Manufacturer : Shengtai Group Co., Ltd

3. List of Appendices

Appendix 0 : List of modifications
Appendix 1 : Test minutes

4. Statement of conformity

The in point 0.5. mentioned information folder and the type described in that comply with the requirements mentioned on page 1.

With regard to the required level of performance to be achieved, the tested items were representative for the type to be approved (see point 1.2).

The mentioned test results refer to the ~~vehicle(s)~~ object(s) described under point 1.1 of this report.

Engineering centre Shanghai / September 04, 2018
LC / JZ



Linda Chen
Expert Technical Service



Type : 295/80R22.5
Manufacturer : Shengtai Group Co., Ltd

List of modifications

Appendix 0

Correction of : ---

Modification of : ---

Addition of : Trade marks and trade description

Deletion of : ---



Type : 295/80R22.5
 Manufacturer : Shengtai Group Co., Ltd

Test minutes

Appendix 1

1. Test data

1.1 Object markings

- | | | | |
|--------|---|--|--------------------|
| 1.1.1 | Trade name or mark | : THREE-A | |
| 1.1.2 | Tyre type designation | : T298 | |
| 1.1.3 | Plies of Tread / Sidewall | : 4 STEEL / 1 STEEL | |
| 1.1.4 | Tyre size designation | : 295/80R22.5 | |
| 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: J | Supplementary: --- |
| 1.1.8 | Load-Capacity Indices(L.I.) | | |
| | corresponding to nominal speed | : Single: 152 | Twinned: 149 |
| | corresponding to supplementary speed | : Single: --- | Twinned: --- |
| 1.1.9 | Index of inflation pressure for testing | : 130 PSI | |
| 1.1.10 | Ply-rating number | : 18 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 | : 1516 | |

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. 303 mm 2. 304 mm 3. 303 mm | |
| | 4. 305 mm 5. 303 mm 6. 303 mm | |
| | Max.: 305.0 mm | |



Type : 295/80R22.5
Manufacturer : Shengtai Group Co., Ltd

- 1.2.7 Circumference : 3280 mm
1.2.8 Outer diameter : 1044.1 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 : TJR-2-TB(Y)
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 : 22.8 - 28.8°C
1.3.7 Inflation pressure readjusted after conditioning : 9.0 bar
1.3.8 Circumference after conditioning, before testing : 3280 mm
1.3.9 Outer diameter after conditioning, before testing : 1044.1 mm
1.3.10 100% load corresponding to L.I.(single) : 3550 kg

Step	Step duration [h]	Total duration [h]	Actual speed [km.h ⁻¹]	Test Load	
				[%]	[kg]
1.	7	7	48	66	2343
2.	16	23	48	84	2982
3.	24	47	48	101	3586

- 1.3.11 Conditioning after testing : More than 6 hours
1.3.12 Circumference after conditioning, after testing : 3290 mm
1.3.13 Outer diameter after conditioning, after testing : 1047.2 mm
1.3.14 Difference outer diameter before and after testing (max. 3.5 %) : 3.1 mm
: 0.3 %
1.3.15 Inspection after test : The tyre does not exhibit tread separation, ply separation, cord separation, chunking or broken cords.

- 2. Remarks** : The test data mentioned in Paragraph 1. of Appendix 1 refer to report No.: 86-R54-3379/15-00 corresponding to type approval No. E4-54R-0033784 Ext.00.

