

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- ~~approval withdrawn~~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 tyre for motor vehicles pursuant to Regulation number 54.

**Approval number: E4\*54R00/23\*49151\*00**

1. Manufacturer's name and address : Jiangsu General Science Technology Co., Ltd.  
Gangxia, Donggang Town, Xishan District,  
Wuxi City 214199 JIANGSU PROVINCE  
China(PRC)
2. Tyre type designation <sup>(2)</sup> :
- 2.1. Brand name(s)/trademark(s) : AUFINE; ANEMOI; EVERTOUR; MAXELL
- 2.2. Trade description (s)/Commercial name(s)/ : PREMIUM LINE A; NOVA EXPRESS A; SUPER HA2
3. If applicable, name and address of the manufacturer's representative : Not applicable
4. Summarized description:
  - 4.1. Size of tyre : 315/70R22.5
  - 4.2. Category of use : ~~normal~~/snow/~~special~~ <sup>(1)</sup>
  - 4.3. Structure : ~~diagonal (bias-ply)~~/radial <sup>(1)</sup>
  - 4.4. Tyre class : ~~E2~~/C3 <sup>(1)</sup>



**Approval number: E4\*54R00/23\*49151\*00**

- 4.5. Speed category symbol:
- 4.5.1. nominal : L
- 4.5.2. additional (if applicable) : M
- 4.6. Load-capacity indices:
- 4.6.1. Corresponding to nominal speed:
- single : 156
  - twinned (dual) : 150
- 4.6.2. Corresponding to additional speed:
- single : 154
  - twinned (dual) : 150
5. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : IDIADA Automotive Technology, S.A.  
L'Albornar, P.O. Box 20  
43710 Santa Oliva (Tarragona)  
Spain
6. Date of report issued by that service : June 24, 2021
7. Number of report issued by that service : CN21060663
8. Reason(s) for extension (if applicable) : ---
9. Any remarks : ---
10. Place : Zoetermeer
11. Date : 13 July 2021
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.

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<sup>(1)</sup> Strike out what does not apply.

<sup>(2)</sup> A list of brand name(s)/trademark(s) or Trade description(s)/ Commercial name(s) may be annexed to this communication.

## Statement manufacturer and authorization regarding application

This statement must only be sent with new "00" applications. This applies to both the statements that the application has not been submitted to another authority and the authorization of the applicant. If the authorized party is changed in the meantime (i.e. in case of an extension or correction request), this declaration must be filled in again.

1 **EC & UNECE type-approval number** : E4\*54R00/23\*49151\*00

2  **Manufacturer/**  **Manufacturer's representative** <sup>(1)</sup>

3 Company name : Jiangsu General Science Technology Co., Ltd.  
4 Name authorized person : Cui Gu  
5 Job title : QA MANAGER  
6 E-mail address : jstyglp@163.com  
7 Address manufacturer : Gangxia, Donggang Town, Xishan District, Wuxi City 214199 JIANGSU PROVINCE  
China (PRC)  
8 Country : China(PRC)

### 9 **Statement**


10 Hereby : Cui Gu  
11 declares on behalf of  
the manufacturer : Jiangsu General Science Technology Co., Ltd.  
12 for the application with  
type-approval number : E4\*54R00/23\*49151\*00  
13 the following:  
14 a) the manufacturer has not applied for an EC & UNECE type-approval for the same type to any other approval  
authority, and no other approval authority granted the manufacturer such an approval;  
15 b) no approval authority has refused to grant type-approval of that type;  
16 c) no approval authority has withdrawn type-approval of that type;  
17 d) the manufacturer has not revoked an application for a type-approval of that type.

### 18 **Authorization regarding handling of this application (if applicable)** <sup>(2)</sup>

19 Company name : IDIADA Automotive Technology, S.A.  
20 E-mail address : QualityHomologations@idiada.com  
21 Address : PO Box 20 Santa Oliva, l'Albornar 43710, Tarragona  
22 Country : Spain

### 23 **Authorization**

24 By means of this  
declaration, I : Cui Gu  
25 on behalf of : Jiangsu General Science Technology Co., Ltd.  
26 authorizes : IDIADA Automotive Technology, S.A.  
27 to respectively apply for a type-approval with type-approval number:  
E4\*54R00/23\*49151\*00  
28 handle all communication concerning this application and receive the type-approval certificate.

29 <b>Date</b>	<b>Place</b>	<b>Name:</b>
30 20/06/2021	Wuxi, China	Jiangsu General Science Technology Co., Ltd.
31	On their behalf, signature :	
32		Name : Cui Gu

<sup>(1)</sup> Mark the specific checkbox.

<sup>(2)</sup> This authorization only concerns the application procedure and all activities that are directly or indirectly related to this procedure. If and insofar as other procedures, including the lodging of objections, are deemed necessary, a new authorization must be submitted in respect of that specific procedure.

TECHNICAL DOCUMENTATION

**Tyre size:**

**315/70R22.5 156/150 L  
(154/150M)**



**Date : Jun. 2021**

**Ext. : 00**

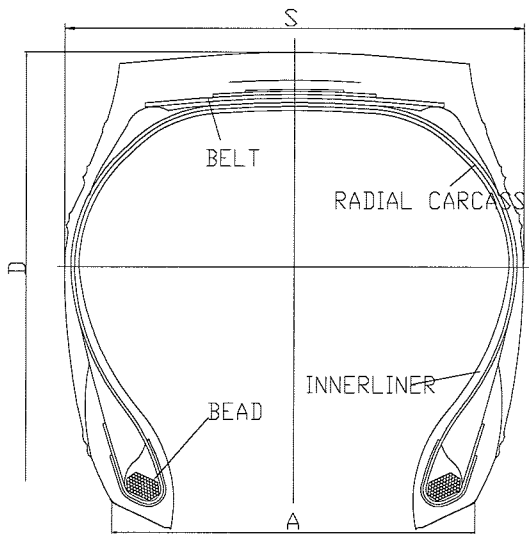
**REGARDING PNEUMATIC TYRES FOR COMMERCIAL VEHICLES AND THEIR TRAILERS  
ACCORDING TO REGULATION 54.00**

1. Trade mark(s) marked on the tyre type
- 1.1 Trade Mark declared by the manufacturer : AUFINE; ANEMOI;EVERTOUR;MAXELL
- 1.2 Tyre tread pattern : PREMIUM LINE A;NOVA EXPRESS A; SUPER HA2
2. Tyre type designation by the manufacturer : 315/70R22.5 156/150 L(154/150 M)
3. Manufacturer's name and address : Jiangsu General Science Technology Co., Ltd.  
Gangxia, Donggang Town, Xishan District,  
Wuxi City 214199 JIANGSU PROVINCE  
China(PRC)
4. If applicable, name and address of the manufacturer's representative : ---
5. Summarised description
- 5.1. Tyre size designation : 315/70R22.5
- 5.2. Category of use : ~~normal~~/snow/special<sup>(1)</sup>
- 5.3. Structure : ~~diagonal(bias ply)~~/radial/ <sup>(1)</sup>
- 5.3.1. Tread : 5 STEEL
- 5.3.2. Side Wall : 1 STEEL
- 5.4. Speed category symbol
- 5.4.1 Nominal : L
- 5.4.2 Additional (If applicable) : M
- 5.5. Load-capacity index
- 5.5.1 Nominal speed (single and dual) : 156/150
- 5.5.2 Additional speed (single and dual) : 154/150
- 5.6. Inscription of snow tyre : M+S/~~M.S/M&S~~/N.A. <sup>(1)</sup>
- 5.7. "Tubeless" (without a inner tube) : Yes/~~No~~ <sup>(4)</sup>
- 5.8. Index of inflation pressure for testing : 900kPa
- 5.9. Inscription for "special use tyres" : ~~ET/ML/MPT~~/N.A. <sup>(1)</sup>
- 5.10. Ply-rating number : 18
- 5.11. Regroovable : Yes/~~No~~ <sup>(1)</sup>
- 5.12. Factor x : 0.75
- 5.13. Date of manufacture : N.A.

Strike out what does not apply.

(1) Modified points are bolder for extension





TREAD PATTERNS

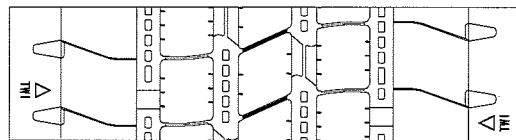
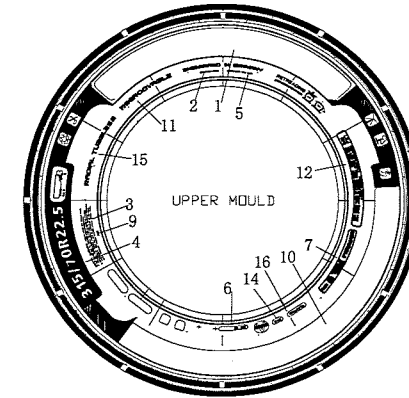
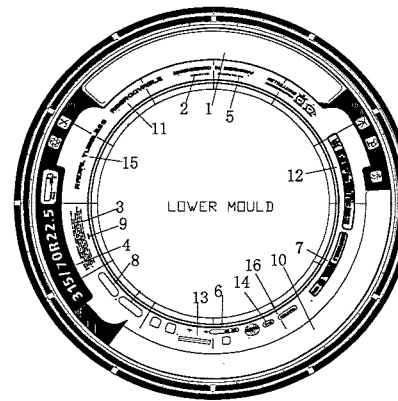


TABLE 1

BRAND NAME	TREAD PATTERN NAME
AUFINE	PREMIUM LINE A
ANEMOI;EVERTOUR	NOVA EXPRESS A
MAXELL	SUPER HA2



15	RADIAL TUBELESS	
14	M+S	
13	**** (DATE CODE)	
12	L. R. J 18PR	PLIES:TREAD STEEL 5 SIDEWALL STEEL 1 MAX. LOAD SINGLE 4000kg(8820lbs) AT 900kPa(130psi) COLD MAX. LOAD DUAL 3350kg(7390lbs) AT 900kPa(130psi) COLD
11	REGROOVABLE	
10	TREAD PATTERN NAME (SEE THE TABLE 1 ON THE LEFT)	
9	**** (MOLD NUMBER)	
8	E4 XXXXXXX	
7	315/70R22.5	156/150L AT 900kPa (154/150M) 18PR
6	DOT 195 X6TYDC	
5	STANDARD RIM 9.00	
4	315/70R22.5	
3	SAFETY WARNING	
2	MADE IN CHINA	
1	BRAND NAME (SEE THE TABLE 1 ON THE LEFT)	
	LOWER MOULD	UPPER MOULD

315/70R22.5	156/150 (154/150)	L(M)	TL	1014	312	228.6	16
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	D (mm)	S (mm)	A (mm)	SKID DEPTH (mm)

Approve by: 孙宗涛      Check by: 顾伟      Draft by: 鉴继超      Page 1 of 1

**REPORT No. CN21060663****APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES  
AND THEIR TRAILERS REFERRING TO REGULATION 54 ECE**

Approval number : E4\*54R00/23\*49151\*00

Applicant : Jiangsu General Science Technology Co., Ltd.

Manufacturer : Jiangsu General Science Technology Co., Ltd.  
Gangxia, Donggang Town, Xishan District,  
Wuxi City 214199 JIANGSU PROVINCE  
China(PRC)

Brand-name(s)/trademark(s) : AUFINE; ANEMOI; EVERTOUR; MAXELL

Trade description(s)/Commercial name(s) : PREMIUM LINE A; NOVA EXPRESS A;  
SUPER HA2

Tyre size designation : 315/70R22.5

Place and date of test report issue : L'Albornar, Santa Oliva (Tarragona)  
24/06/2021

Tested pneumatic tyre **FULFILS** with the specifications regarding to the type approval of approval of pneumatic tyre referring to the Supplement 23 to the original version of the Regulation 54 ECE as specified in the annex of this report.

Performed by:

Revised by:

Zhu Yuan  
HOMOLOGATION ENGINEERJosep Masip Gomez  
DEPARTMENT MANAGER

**ANNEX TO THE REPORT**

**1. TECHNICAL DESCRIPTION OF THE PNEUMATIC TYRE:**

Brand-name(s)/trademark(s)	:	AUFINE		
Trade description(s)/Commercial name(s)	:	PREMIUM LINE A		
Tyre-size designation	:	315/70R22.5		
Category of use	:	<del>normal</del> / snow /- <del>special</del>		
Structure	:	<del>diagonal</del> / <del>bias-belted</del> / radial		
Speed category index	:	nominal	:	L
		additional	:	M
Load-capacity index	:	nominal:	single	: 156
			twinned	: 150
		additional:	single	: 154
			twinned	: 150
X of the manufacturer /	:	0.75		
Tyre cross-section	:	See technical documentation		

**2. TYRE MARKING**

**2.1. Compulsory Marking**

Approval mark

Approval mark Height : a= **14** > 12 mm

Tyre definition marking height

Tyre size : b= **20** > 6 mm

Load and speed index : b= **16** > 6 mm



**2.2. Additional Marking**

“M+S” / “M.S” / “M&S”	:	Yes
“TUBELESS”	:	Yes
Index of inflation pressure	:	900 kPa
Ply rating	:	18 PR
“ET” / “ML” / “MPT”	:	N.A.
“REGROOVABLE”	:	Yes
Date of manufacture	:	1621
Height of these marking	:	c = 6 > 4 mm

**3. TEST RESULTS.**

Sample Reception date	:	09/06/2021
Place and test dates	:	10/06/2021–13/06/2021 Wuxi, China
Sample Id.	:	CN21060663
Measure rim code	:	9.00 x 22.5”
Test rim Code	:	9.00 x 22.5”

**3.1. Pneumatic tyre measurement**

Mounting pressure in <b>measuring rim</b>	:	<b>P(1m) = 9.0 bar</b>
Conditioning temperature	:	<b>Temp. = 28 °C</b>
Adjusted pressure before conditioning	:	<b>P(2m) = 9.0 bar</b>
Readjusted pressure after <b>24</b> hour	:	<b>P(3m) = 9.0 bar</b>

\* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE  
 \* THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN

**3.1.1. Tyre width measurement:**

Measures of **overall width** at six equally-spaced points:

Point	Overall width (mm)
1	312.4
2	312.7
3	312.8
4	312.5
5	312.3
6	312.7
Point	Maximum width (mm)
3	312.8

**3.1.2. Tyre section width calculation:**

$S = 312$  (mm) given by Annex 5/Calculation

Or

$$S = S_1 + K(A-A_1)$$

Nominal section width (mm)	315
K coefficient	0.4
Measuring rim Width (mm)	228.6
X of the manufacturer	0.75
Theoretical rim Width (mm)	236.25

Maximum measured width (mm)	Section width (mm)	Difference (%)
$S_M = 312.8$	$S = 312$	0.26

The overall width of a tyre may be less than the section or exceed the value by the following percentages: 8% structure diagonal; 4 % structure radial. For section with exceed 305mm shall not exceed the value by the following percentages: 4% structure diagonal; 2 % structure radial of nominal aspect higher than 60.

FULFILS / ~~DOES NOT FULFIL~~

**3.1.3. Outer diameter measurement**

Maximum circumference (mm)	Outer diameter (mm) $D_{i\ ext} = \frac{L}{\pi}$
3186	1014.1

**3.1.4. Tyre outer diameter calculation:**

$$D = d + 2H$$

Conventional number of the nominal rim(mm)	<b>d = 572 mm</b>
Nominal section width (mm)	315
Nominal aspect ratio	70
Factor a	0.97
Factor b	Radial: 1.04 (Normal), 1.06(Special) Diagonal: 1.08 (Normal), 1.09(Special)
Nominal section height (mm)	<b>H = 221 mm</b>

Dmin $D_{min} = d + 2(H \times a)$	Outer diameter D (measured)	Dmax $D_{max} = d + 2(H \times b)$
<b>1001 mm</b>	<b>1014.1 mm</b>	<b>1042 mm</b>
<b>Dmin &lt; D &lt; Dmax</b>		

FULFILS / DOES NOT FULFIL

**3.2 Load/speed performance test**

**3.2.1 For tyres with speed category symbol Q and above:**

**Test Conditions**

Speed category	N.A.
Load capacity index	N.A.
Maximum velocity (km/h)	N.A.
Test axle load (kg)	N.A.
Maximum speed during the test (km/h)	N.A.
Load of axle during the test (kg)	N.A.
Inflation tyre pressure before conditioning(kpa)	N.A.
Conditioning time wheel-tyre assembly(hour)	N.A.
Readjusted tyre pressure after conditioning (kpa)	N.A.
Test wheel diameter (m)	N.A.
Temperature (°C)	N.A.

**Test cycle**

Step	Duration (min)	Speed (km/h)
1	N.A.	N.A.
2	N.A.	N.A.
3	N.A.	N.A.
4	N.A.	N.A.
TOTAL	N.A.	

\* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE  
 \* THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN

### 3.2.2 Tyres with speed category symbol P and below:

#### Test Conditions

Speed category	M
Load capacity index	156
Maximum velocity (km/h)	130
Test drum speed during the test (km/h)	72
Load of axle during the test (kg) (100%)	4000
Inflation tyre pressure before conditioning(kpa)	900
Conditioning time wheel-tyre assembly(hour)	3
Readjusted tyre pressure after conditioning (kpa)	900
Test wheel diameter (m)	1.7
Temperature (°C)	28

#### Test cycle

Step	Duration (h)	Load (kg)	
1	7	66%	2640
2	16	84%	3360
3	24	101%	4040
TOTAL	47		

### 3.2.3 Tyre measurement

Outer diameter measurement at the start of test	1014.1 mm
Outer diameter measurement at the end of test	1017.0 mm
Percentage of the change in outer diameter measurement (%)	0.29

\* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

\* THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN

**3.3. Test results**

3.3.1. The outer diameter of the tyre, measured six hours after the load/speed endurance test, must not differ by more than  $\pm 3.5\%$  from the outer diameter as measured before the test.

FULFILS / ~~DOES NOT FULFIL~~

3.3.2. Once passed the load/speed endurance test, the tyre must not exhibit any tread separation, ply separation, cord separation, chunking or broken cords.

FULFILS / ~~DOES NOT FULFIL~~

Test Place : Wuxi, China

Test Date : 10/06/2021 - 13/06/2021



Zhu Yuan  
HOMOLOGATION ENGINEER