

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- ~~approval withdrawn~~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~~

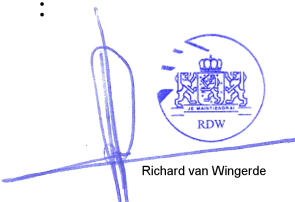
of a type of pneumatic tyre for motor vehicles pursuant to Regulation number 30.

Approval number: E4-30R-0282317**Extension number: 00**

1. Manufacturer's name or trade mark(s) : LANVIGATOR; WINDFORCE; APLUS;
on the tyre type VICTORUN; KINGRUN; KORYOMAX;
ORNET; GOALSTAR; POWERTRAC;
wideway; SEAMTYRE;
LANVIGATOR; GOALSTAR; APLUS;
POWERTRAC; Road March; ROYAL BLACK;
DELMAX; CRATOS; COMPASAL;
ROADMARCH; SEAMTYRE
2. Tyre type designation by the : PERFORMAX; PERFORMAX; A919; VR936;
manufacturer GEOPOWER K4000; CROSSLAND HT K88;
VOLTREK E H/T; PERFORMAX;
CITYROVER; SPEEDWAY; LANDTOUR;
BLAZER H/T; BLAZER H/T; A509;
PRIMEMARCH; PRIMEMARCH; RoyalSport;
ULTIMA UTILITY; RoadFors H/T;
CITIWALKER; PRIMEMARCH; LIBERTY
H/T



3. Manufacturer's name and address : SHANDONG HAOHUA TIRE CO., LTD
Dadi Road West, Xinhai Road North,
Houzheng Industry Zone, Shouguang City,
Shandong Province, P.R.China
4. If applicable, name and address of the manufacturer's representative : not applicable
5. Summarised description :
- 5.1. Tyre size designation : 225/70R16
- 5.2. Category of use : ~~normal~~/snow/special-use/temporary use⁽¹⁾
- 5.3. Structure : ~~diagonal/bias belted~~/radial/run-flat tyre⁽¹⁾
- 5.4. Speed category symbol : H
- 5.5. Load-capacity index : 107
6. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV NORD Mobilität GmbH & Co. KG
IFM - Institut für Fahrzeugtechnik und Mobilität,
Adlerstr. 7, D-45307 Essen
7. Date of report issued by that service : January 10, 2017
8. Number of report issued by that service : CS030-A0-2015-00201
9. Reason(s) of extension (if applicable) : Not applicable
10. Any remarks : ---
11. Approval : granted/~~extended/refused/withdrawn~~⁽¹⁾
12. Place : Zoetermeer
13. Date : 3-MAR-2017
14. Signature :



Richard van Wingerde

15. The list of documents in the approval file which are 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 30.
- 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.



**APPLICATION FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE FOR PRIVATE CARS
ACCORDING TO ECE REGULATION No. 30, 02 SERIES OF AMENDMENTS**

APPROVAL Grant / ~~Extension~~ / ~~Correction~~

Addition of :

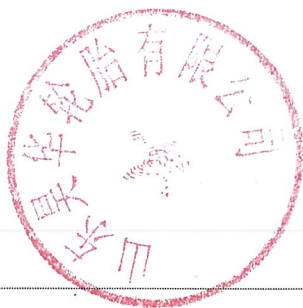
Deletion of :

- | | | | |
|------|--|---|--|
| 1. | Manufacturer's name or trade mark on the tyre | : | LANVIGATOR; WINDFORCE; APLUS; VICTORUN;
KINGRUN; KORYOMAX; ORNET; GOALSTAR;
POWERTRAC; wideway; SEAMTYRE;
LANVIGATOR; GOALSTAR; APLUS;
POWERTRAC; Road March; ROYAL BLACK;
DELMAX; CRATOS; COMPASAL; ROADMARCH;
SEAMTYRE |
| 2. | Tyre type designation by the manufacturer | : | PERFORMAX; PERFORMAX; A919; VR936;
GEOPOWER K4000; CROSSLAND HT K88;
VOLTREK E H/T; PERFORMAX; CITYROVER;
SPEEDWAY; LANDTOUR;
BLAZER H/T; BLAZER H/T; A509;
PRIMEMARCH; PRIMEMARCH; RoyalSport;
ULTIMA UTILITY; RoadFors H/T; CITIWALKER;
PRIMEMARCH; LIBERTY H/T |
| 3. | Manufacturer's name and address | : | SHANDONG HAOHUA TIRE CO., LTD.
Dadi Road West , Xinhai Road North,
Houzheng Industry Zone, Shouguang City,
Shandong Province ,P.R. China |
| 4. | If applicable, name and address of manufacturer's representative | : | not applicable |
| 5. | Summarised description | : | |
| 5.1. | Tyre size designation | : | 225/70R16 |
| 5.2. | Category of use | : | normal/snow/special use/temporary use ⁽¹⁾ |
| 5.3. | Structure | : | diagonal / bias belted / radial/ run flat tyre |
| 5.4. | Speed category symbol | : | H |
| 5.5. | Load-capacity index | : | 107XL |
| 6. | Overall dimensions | : | annex 5 / ETRTO / calculated |
| | Overall section width | : | 228 |
| | outer diameter | : | 722 |
| | Factor 'x' | : | 0.7 |
| 7. | Ply-rating number for diagonal(bias-ply) tyres | : | not applicable |
| 8. | Rims on which the tyre can be mounted | : | 6 1/2 J |
| 9. | Measuring rim and test rim | : | see attached test report |
| 10. | State whether the tyre is | : | tubeless / tube type |
| 11. | State whether the tyre is | : | standard / reinforced /
T-type temporary use spare tyre |
| 12. | Submitted for approval on (date) | : | Dec 15 th , 2016 |



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 :

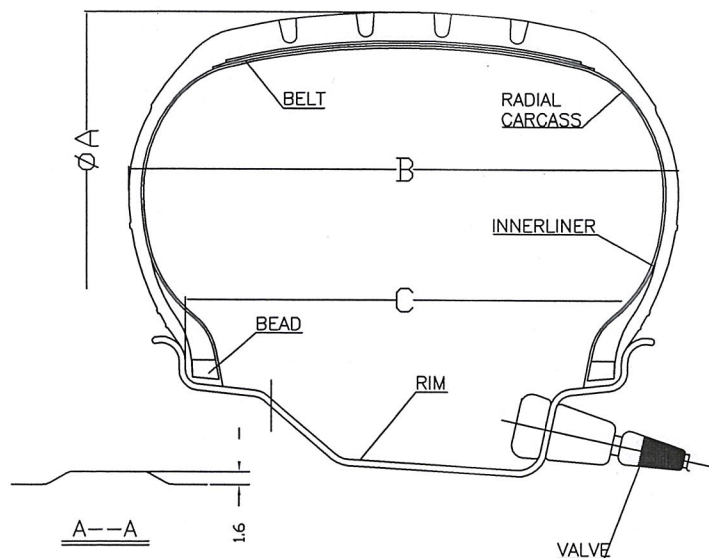
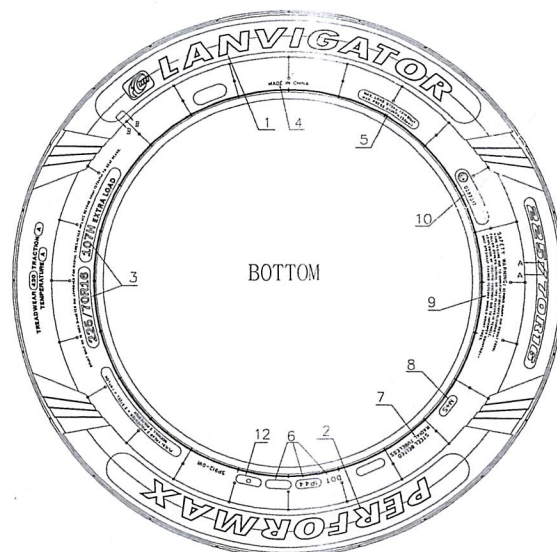
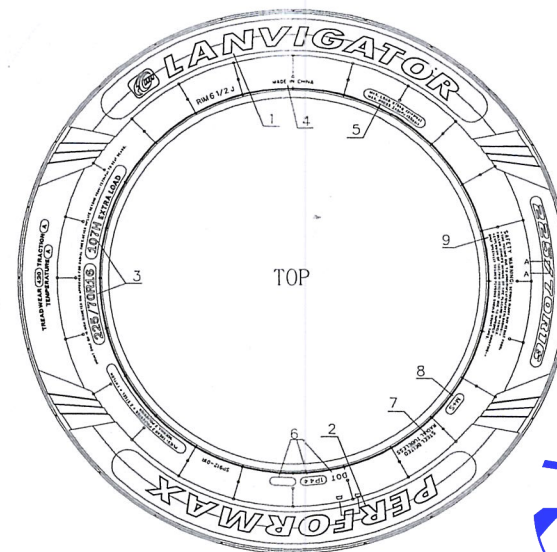
A handwritten signature in black ink, appearing to be 'Zhangwei'.

Name:Zhangwei.....

THIS APPLICATION IS ACCOMPANIED BY:

- Application form, relating to ECE approval for pneumatic tyre pursuant Regulation No.30
- A drawing of the tyre's side walls, tread and dimensioned cross section
- The test report





Above is the diagram of the position description;
Specific contents please see the text.

TREAD PATTERNS
REFER TO ATTACHMENT NO.1

TREAD PATTERNS
REFER TO ATTACHMENT NO.2

12	PRODUCT DATE
11	
10	E4 0282317
9	SAFETY WARNING
8	M+S
7	STEEL BELTED RADIAL TUBELESS
6	DOT 1P44
5	MAX.LOAD 975kg (2149lbs) MAX.PRESS 340kpa (50psi)
4	MADE IN CHINA
3	225/70R16 107H EXTRA LOAD
2	REFER TO ATTACHMENT NO.1/NO.2
1	REFER TO ATTACHMENT NO.1/NO.2

225/70R16	107XL	H	T/L	722±9	228±9	165		2016-12-15
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)		DATE

CHECKED BY

APPROVED BY

山东昊华轮胎有限公司
SHANDONG HAOHUA TIRE CO., LTD

ATTACHMENT NO. 1

TIRE SIZE 225/70R16 107HXL

E4 0282317

BRAND NAME

TREAD PATTERN NAME

LANVIGATOR

PERFORMAX

WINDFORCE

PERFORMAX

APLUS

A919

VICTORUN

VR936

KINGRUN

GEOPOWER K4000

KORYOMAX

CROSSLAND HT K88

ORNET

VOLTREK E H/T

GOALSTAR

PERFORMAX

POWERTRAC

CITYROVER

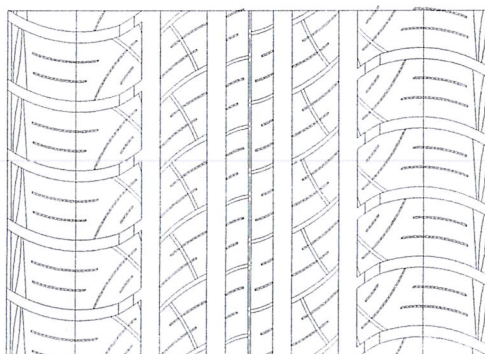
wideway

SPEEDWAY

SEAMTYRE

LANDTOUR

TREAD PATTERNS



ATTACHMENT NO. 2

TIRE SIZE 225/70R16 107HXL

E4 0282317

BRAND NAME

TREAD PATTERN NAME

LANVIGATOR

BLAZER H/T

GOALSTAR

BLAZER H/T

APLUS

A509

POWERTRAC

PRIMEMARCH

Road March

PRIMEMARCH

ROYAL BLACK

RoyalSport

DELMAX

ULTIMA UTILITY

CRATOS

RoadFors H/T

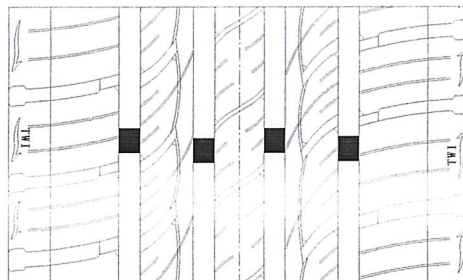
COMPASAL

CITIWALKER

SEAMTYRE

LIBERTY H/T

TREAD PATTERNS



Type : **225/70R16**
Manufacturer : **SHANDONG HAOHUA TIRE CO., LTD**

Test report according to the Agreement of the United Nations on the approximation of the laws of the Member States relating to the component type approval ECE-R30 of pneumatic tyres for motor vehicles and their trailers

1. General information

- 1.1. Manufacturer's name and address : SHANDONG HAOHUA TIRE CO., LTD
Dadi Road West, Xinhai Road North,
Houzhèn Industry Zone, Shouguang
City, Shandong Province, P.R.China
- 1.2. Trade mark : LANVIGATOR; WINDFORCE; APLUS;
VICTORUN; KINGRUN; KORYOMAX;
ORNET; GOALSTAR; POWERTRAC;
wideway; SEAMTYRE;

LANVIGATOR; GOALSTAR; APLUS;
POWERTRAC; Road March; ROYAL
BLACK; DELMAX; CRATOS;
COMPASAL; ROADMARCH;
SEAMTYRE
- 1.3. Tread pattern : PERFORMAX; PERFORMAX; A919;
VR936; GEOPOWER K4000;
CROSSLAND HT K88; VOLTREK E
H/T; PERFORMAX; CITYROVER;
SPEEDWAY; LANDTOUR;

BLAZER H/T; BLAZER H/T; A509;
PRIMEMARCH; PRIMEMARCH;
RoyalSport; ULTIMA UTILITY;
RoadFors H/T; CITIWALKER;
PRIMEMARCH; LIBERTY H/T
- 1.4. Size designation : 225/70R16
- 1.5. Category of use : snow
- 1.6. Speed category : H
- 1.7. Load capacity index : 107
- 1.8. Test object received : ---
- 1.9. Test location : SHANDONG HAOHUA TIRE CO., LTD
Dadi Road West, Xinhai Road North,
Houzhèn Industry Zone, Shouguang
City, Shandong Province, P.R.China
- 1.10. Test date : December 19, 2016



Type : **225/70R16**
Manufacturer : **SHANDONG HAOHUA TIRE CO., LTD**

1.11. Remarks concerning tested object(s) : The results of the test refer exclusively to the object(s) mentioned under item 1.4. of this report.

2. Markings

2.1. Trade mark : LANVIGATOR
2.2. Tread pattern : PERFORMAX
2.3. Size designation : 225/70R16
2.4. Special protective band : without
2.5. Category of use : snow
2.6. Structure : Radial
2.7. Speed category : H
2.8. Load capacity index : 107
2.9. Ply-rating number for diagonal (bias-ply) tyres : ---
2.10. Indication : tubeless
2.11. Indication : Reinforced
2.12. Date of manufacture : 4616

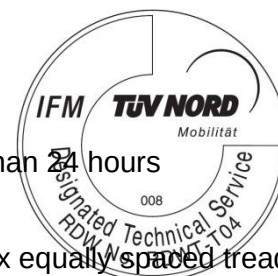
3. Measurement according to Annex 6

3.1. Measuring rim : 6.5 J x 16
3.2. Inflation pressure (after mounting 3 to 3.5 bar) : 3.5 bar
3.3. Inflation pressure (readjusted before conditioning) : 2.3 bar
3.4. Duration of conditioning of mounted tyre pre-measuring at ambient room temperature : more than 24 hours

3.5. Overall width at six equally spaced points : Height of six equally spaced tread wear indicators

1.	229.7	mm
2.	229.4	mm
3.	229.8	mm
4.	229.6	mm
5.	229.8	mm
6.	229.8	mm
Max.:	229.8	mm

1.	1.69	mm
2.	1.79	mm
3.	1.81	mm
4.	1.79	mm
5.	1.76	mm
6.	1.78	mm



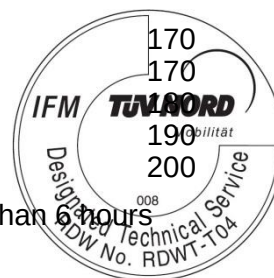
Type : **225/70R16**
 Manufacturer : **SHANDONG HAOHUA TIRE CO., LTD**

3.6. Circumference : 2250 mm
 3.7. Outer diameter : 716.2 mm

4. Load/speed performance test according to ANNEX 7

4.1. Test machine : GX-YLSN-1114
 4.2. Diameter test drum : 1.7 m
 4.3. Test rim : 6.5 J x 16
 4.4. Conditioning of mounted tyre pre-testing at test-room temperature : more than 3 hours
 4.5. Test-room temperature : 22 °C
 4.6. Inflation pressure (readjusted before conditioning) : 3.2 bar
 4.7. Inflation pressure (readjusted after conditioning) : 3.2 bar
 4.8. Circumference after conditioning, before testing : 2250 mm
 4.9. Outer diameter : 716.2 mm
 4.10. Inflation pressure : 3.2 bar
 4.11. Load (80 %) : 780 kg

Step	Step-Duration [min]	Total Duration [min]	Actual speed (km/h)
1.	10	10	170
2.	10	20	170
3.	10	30	190
4.	10	40	200
5.	20	60	200
4.12. Conditioning after testing at test-room temperature			: more than 6 hours
4.13. Inflation pressure			: 3.2 bar
4.14. Circumference after conditioning, after testing			: 2274 mm
4.15. Outer diameter			: 723.8 mm



Type : **225/70R16**
Manufacturer : **SHANDONG HAOHUA TIRE CO., LTD**

4.16. Difference outer diameter before and after testing : 7.6 mm
(max. 3.5 %) : 1.1 %

5. Final Conclusion : Pass / ~~Fail~~

5.1. Marking : Pass / ~~Fail~~

5.2. Measurement : Pass / ~~Fail~~

5.3. Load / Speed performance test : Pass / ~~Fail~~
Tread separation, ply separation, cord separation, : ~~Yes~~ / No
chunking or broken cords

6. Statement of conformity

The type described in this test report and the appendices attached are in compliance with the Test Specification mentioned above.

The samples / test vehicles used were representative in terms of the type to be approved.

The Test Report comprises pages 1 to 5.

The Test Report shall be reproduced and published in full only and by the client only. It shall be reproduced partially with the written permission of the Test Laboratory only.

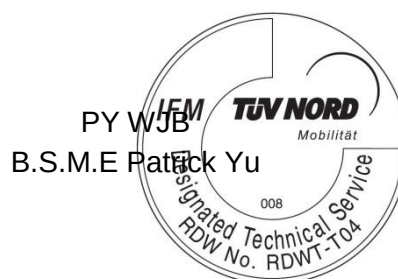
TEST LABORATORY

TÜV NORD Mobilität GmbH & Co. KG
IFM - Institut für Fahrzeugtechnik und Mobilität,
Adlerstr. 7, D-45307 Essen

Designated Technical Service
RDW No. RDWT-T04

Shanghai, January 10, 2017

Patrick Yu



Test Report
No. : CS030-A0-2015-00201
ECE Regulation No.30



Type : **225/70R16**
Manufacturer : **SHANDONG HAOHUA TIRE CO., LTD**

List of modifications

Appendix 1

More details for application of : **Date** : **January 10, 2017**

Correction of : -

Modification of : -

Addition of : -

Deletion of : -

