

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- ~~approval withdrawn~~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 tyre with regard to 'rolling sound emission level' and/or 'adhesion performance on wet surfaces' and/or 'rolling resistance' pursuant to Regulation number 117.

Approval number⁽²⁾: E4*117R02/12*5522*11

Suffix(es)⁽³⁾: 02S2WR2

1. Manufacturer's name and address : Shandong Jinyu Tire Co., Ltd.
No. 260 Qingken Road, Dawang Town,
Guangrao County, Dongying City,
257335, Shandong Province, China (PRC)
2. If applicable, name and address of manufacturer's representative : not applicable
3. "Tyre class" of the type of tyre : ~~Class C1/Class C2/~~Class C3
4. "Category of use" of the type of tyre : ~~normal/snow/~~ snow tyre for use in severe snow conditions ~~/special~~
- 4.1. Snow tyre for use in severe snow conditions : yes/~~no~~ ⁽¹⁾
- 4.2. Traction tyre : ~~yes/~~no ⁽¹⁾
5. Tyre structure :



6. Tyre type designation
- 6.1. Brand name(s)/trademark(s) of the type of tyre : BLACKLION; AMULET
- 6.2. Trade description(s)/ Commercial name(s) of the type of tyre : BT165; AT501
7. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity tests : TÜV Rheinland Kraftfahrt GmbH
Typprüfstelle Fahrzeuge/Fahrzeugteile
Am Grauen Stein
51105 Köln
8. Performance(s) approved : sound level at (~~stage 1~~/stage 2)⁽¹⁾, wet adhesion level, rolling resistance level (~~stage 1~~/stage 2)⁽¹⁾ and snow performance level
- 8.1. Sound level of the representative tyre size, see Paragraph 2.7. of Regulation number 117, as per item 7. of the test report in appendix to Annex 3, at reference speed of 70/~~80~~ km/h⁽¹⁾. : 13R22.5 154/151K: 73 dB(A)
- 8.2. Wet adhesion level of the representative tyre size, see Paragraph 2.7. of Regulation number 117, as per item 7. of the test report in the appendix to Annex 5 using the vehicle ~~or trailer~~ method⁽¹⁾. : 315/80R22.5 156/153L: 1.24
- 8.3. Rolling resistance level of the representative tyre size, see Paragraph 2.7. of Regulation number 117, as per item 7. of the test report in the appendix to Annex 6. : 205/75R17.5 124/122M: 5.748 N/kN
- 8.4. Snow grip level of the representative tyre size, see paragraph 2.5. of Regulation No. 117, as per item 7. of the test report in the appendix⁽⁴⁾ to Annex 7 using the brake on snow method⁽¹⁾, ~~spin traction method⁽¹⁾ or acceleration method⁽¹⁾~~. : 205/75R17.5 124/122M: 1.51
9. Number of report issued by that service : 86-R117-2088/21-00
10. Date of report issued by that service : June 22, 2021



Approval number: E4*117R02/12*5522*11

11. Reason(s) of extension (if applicable) : Addition of tyre sizes unnecessary for repetition test;
Upgrade of regulation supplement No. 12
12. Any remarks : ---
13. Place : Zoetermeer
14. Date : 02 August 2021
15. Signature :



T. H. K. Spatz

16. Annexed to this communication are: BT165-SWR-11
- 16.1. A list of documents in the approval file deposited at the Type Approval Authorities having delivered the approval and which can be obtained upon request ⁽⁵⁾.
- 16.2. A list of tyre size designations: Specify for each brand name/trademark and/or each trade description/Commercial name the list of tyre size designations and service descriptions, adding in case of Class C1 tyres whether "reinforced" (or "extra load") or not.

⁽¹⁾ Strike out what does not apply.

⁽²⁾ According to Schedule 4 to Revision 3 of the 1958 Agreement.

⁽³⁾ According to paragraphs 5.2.2. and 5.3.1.2. of this Regulation.

⁽⁴⁾ Appendix 2 for C1 and C2 tyres.

Appendix 3 for C3 tyres.

⁽⁵⁾ In the case of 'snow tyre for use in severe snow conditions' a test report according to Appendix 2 of Annex 7 shall be submitted.

Manufacturer: Shandong Jinyu Tire Co., Ltd.
Information folder: BT165-SWR-11

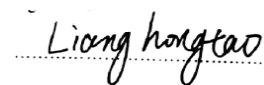
RELATING TO ECE TYPE-APPROVAL EXTENSION FOR A TYPE OF TYRE WITH REGARD TO ROLLING SOUND EMISSIONS AND TO ADHESION PERFORMANCE ON WET SURFACES AND/OR TO ROLLING RESISTANCE (ECE Regulation No. 117. 02, Supplement 12)

1. GENERAL

- 1.1. The performance characteristics to be assessed for the tyre type : rolling sound emission level and adhesion performance level on wet surfaces and rolling resistance and snow performance testing
- 1.2. Manufacturer's name : Shandong Jinyu Tire Co., Ltd.
- 1.3. Name and address of applicant : Shandong Jinyu Tire Co., Ltd.
No.260 Qingken Road, Dawang Town, Guangrao County, Dongying City, 257335, Shandong Province, China (PRC)
- 1.4. Address(es) of manufacturing plant(s) : same with the applicant
- 1.5. Brand name(s), Trade description(s) or Trade mark(s) to be used for particular tyre type-approval requested : BLACKLION; AMULET
BT165; AT501
2. Tyre
- 2.1. Tyre classification (class C1, C2, C3) : ~~Class C1 / Class C2~~ / Class C3
- 2.2. Section width range for class C3 tyres : see attached "list of tyre size"
- 2.3. Tyre structure : ~~diagonal / bias belted~~ / radial
- 2.4. For Class C1 tyres, state weather : not applicable
- 2.4.1. Reinforced (or extra load) in case of approval with regard to rolling sound emission level : see attached "list of tyre size"
- 2.4.2. Speed category symbol "Q" or below (not including "H") or "R" and above (including "H") in case of snow tyres for approval with regard to adhesion on wet surfaces : not applicable
- 2.5. For Class C2 or C3 tyres, state weather "Traction tyre" : ~~Yes~~ / No
- 2.6. Category of use (normal, snow, special) : ~~normal / snow~~ / snow tyre for use in severe snow conditions / ~~special~~
- 2.7. A list of tyre designations covered by this application : see attached "list of tyre size"
- 2.8. Details of major features, with respect to the effects on tyre performance (i.e. rolling emission level or adhesion on wet surfaces, respectively) of the tread pattern(s) to be used on the designated range of tyre sizes. : see attached "drawing of tread pattern"
- 2.9. In the case of "special use tyre", drawing of the tread pattern supplied in order to verify the void-to-fill ratio. not applicable
- 2.10. Submitted for approval on (date) Jun. 10, 2021

MANUFACTURER'S STAMP

Signature:



Name: Liang hongtao

THIS APPLICATION IS ACCOMPANIED BY:

- List of tyre size
- Drawing of tread pattern
- The test report

Brand name(s) or Trade mark(s) : BLACKLION;AMULET

Tread pattern : BT165;AT501

I Tyre size list

Tyre size	Approval No.	Limit for rolling sound dB(A) of Stage II	Wet grip index(G)	Limit for rolling resistance coefficient N/KN of Stage II	Limit for snow performance
12R22.5 150/147L	E4-0030196	74	0.65	7.5	1.25
13R22.5 154/151K	E4-0023852				
295/60R22.5 150/147L	E4-0029313				
295/80R22.5 152/148M	E4-0029089				
295/80R22.5 152/149M	E4-0030993				
315/60R22.5 152/148L	E4-0029091				
315/70R22.5 152/148M	E4-0029092				
315/70R22.5 154/150L	E4-0029093				
315/70R22.5 156/150L	E4-0030339				
315/80R22.5 154/151L	E4-0029461				
315/80R22.5 156/153L	E4-0031124				
315/80R22.5 156/153L	E4-0029462				
315/80R22.5 154/151L	E4-0031123				
205/75R17.5 124/122M	E4-0042421				
215/75R17.5 135/133L	E4-0030326				
225/70R19.5 128/126L	E4-0030328				
235/75R17.5 143/141L	E4-0030329				
245/70R19.5 136/134M	E4-0030333				
255/70R22.5 140/137M	E4-0043541				
265/70R19.5 143/141J	E4-0029081				
275/70R22.5 148/145M	E4-0036118				
285/70R19.5 150/148K	E4-0030335				
325/95R24 162/160K	E4-0032881				
245/70R19.5 144/142J	E4-0043441				
295/80R22.5 154/149M	E4-0046909				
215/75R17.5 128/126M	E4-0048076				
315/80R22.5 158/150L	E4-0048075				
<u>245/70R17.5 136/134M</u>	<u>E4-0048337</u>				
<u>9.5R17.5 143/141J</u>	<u>E4-0042420</u>				

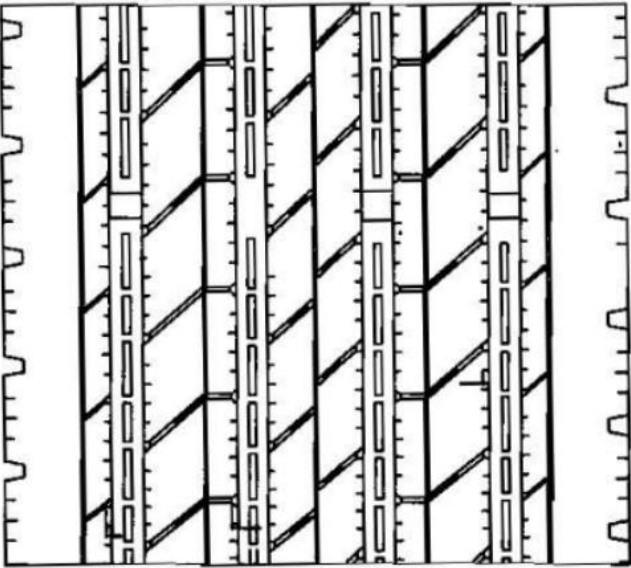
II Worst Case Selection

Test size for rolling sound : 13R22.5 154/151K
Because of : Widest Lowest aspect ratio

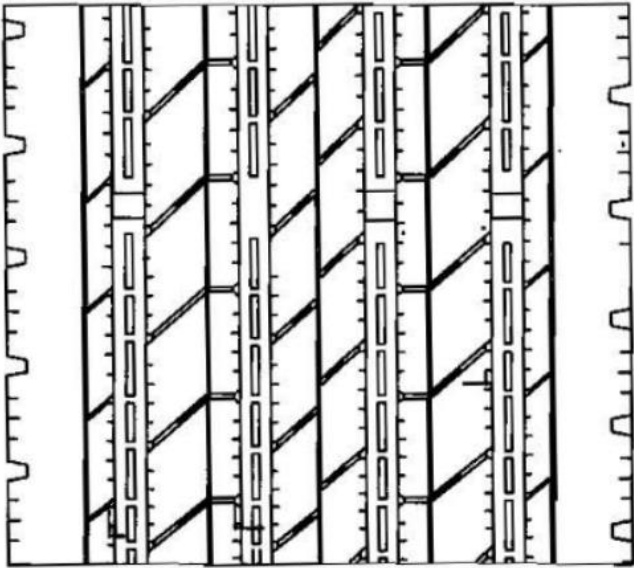
Test size for wet grip : 315/80R22.5 156/153L
Because of : The wet grip test result of 315/80R22.5 156/153L is $G=1.24$, which is 10% above the limit value of ECE-R117

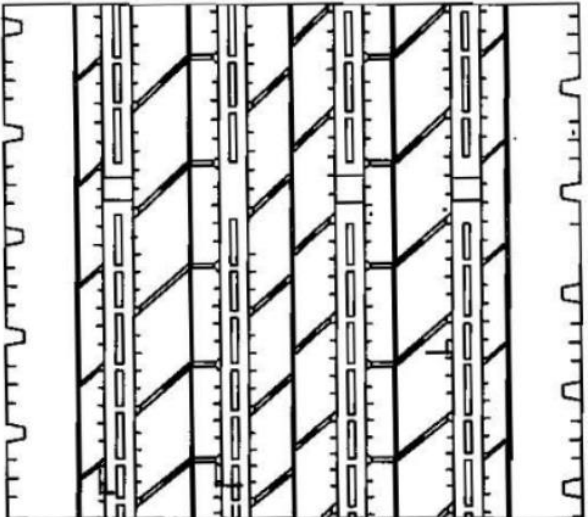
Test size for rolling resistance : 205/75R17.5 124/122 M
Because of : Lowest load capacity index

Test size for snow performance : 205/75R17.5 124/122 M
Because of : Smallest nominal section width

Drawing of the tread pattern (for measured tyre using for tyre noise grip)		
Manufacturer name	:	Shandong Jinyu Tire Co., Ltd.
Pattern name	:	BT165; AT501
Tyre Size	:	13R22.5 154/151K
Market	:	EU
Pitch number	:	79
Pitch ratio	:	0.92: 1: 1.07
Void volume [%]	:	12.2
Width: main grooves [mm]	:	14
Depth: center groove [mm]	:	17.5
Depth: shoulder groove [mm]	:	17.5
Tyre tread pattern	:	

Manufacturer:	Shandong Jinyu Tire Co., Ltd.
Information folder:	BT165-SWR-11

Drawing of the tread pattern (for measured tyre using for tyre wet grip)		
Manufacturer name	:	Shandong Jinyu Tire Co., Ltd.
Pattern name	:	BT165;AT501
Tyre Size	:	315/80R22.5 156/153L
Market	:	EU
Pitch number	:	79
Pitch ratio	:	0.92: 1: 1.07
Void volume [%]	:	12.2
Width: main grooves [mm]	:	14
Depth: center groove [mm]	:	17.5
Depth: shoulder groove [mm]	:	17.5
Tyre tread pattern	:	

Drawing of the tread pattern (for measured tyre using for tyre rolling resistance test and snow performance test)		
Manufacturer name	:	Shandong Jinyu Tire Co., Ltd.
Pattern name	:	BT165;AT501
Tyre Size	:	205/75R17.5 124/122 M
Market	:	EU
Pitch number	:	79
Pitch ratio	:	0.92: 1: 1.07
Void volume [%]	:	15.3
Width: main grooves [mm]	:	11/10
Depth: center groove [mm]	:	13.5
Depth: shoulder groove [mm]	:	13.5
Tyre mass [kg]	:	25.6
Tread depth [mm]	:	13.5
Tread width [mm]	:	170
Curvature radius of tread crown [mm]	:	420
Tyre outer diameter [mm]	:	749
Tread plies	:	4 steel / 1 steel
Tyre tread pattern	:	

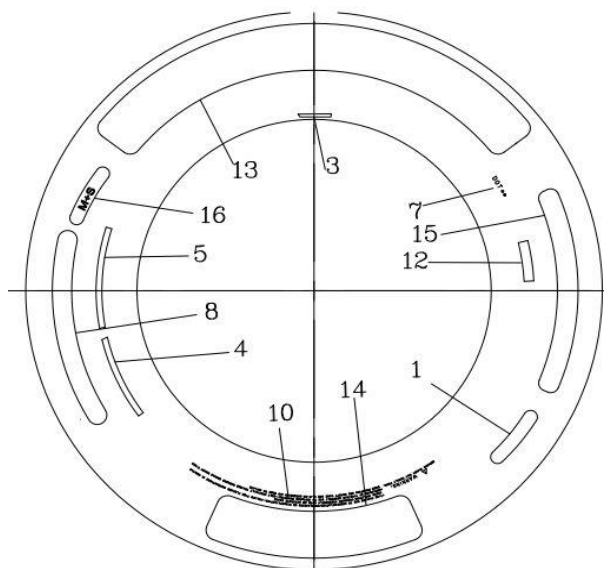
Manufacturer:
Information folder:

Shandong Jinyu Tire Co., Ltd.
BT165-SWR-11

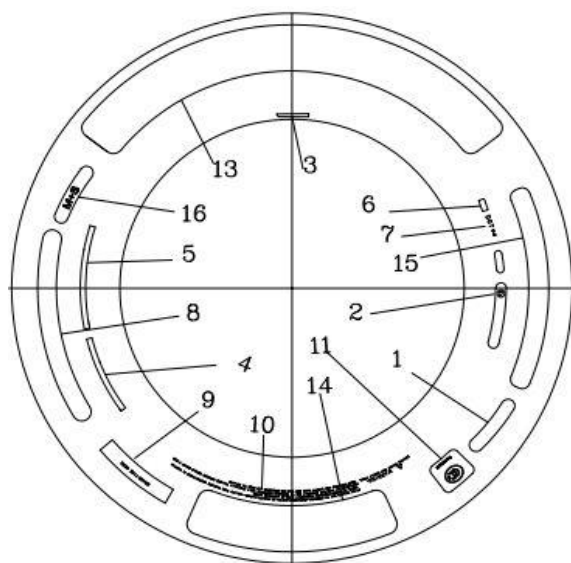
Drawing of the tyre sidewall

Tyre Size

: 13R22.5 154/151K



Upper mold



Lower mold

1.154 /151 K 830kpa

2. (E)4 *****

3. MADE IN CHINA

4. REGROOVABLE

5. RADIAL TUBELESS

6. J***

7. DOT 15 **** (****----DATE CODE)

8. 18PR PLIES: PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL
MAX.LOAD: SINGLE 3750kg(8270LBS) AT 830kpa(120PSI)COLD
DUAL 3450kg(7605LBS)AT 830kpa(120PSI)COLD LR:J

9.BRAND TIRE HERE

10. WARNING: SERIOUS INJURY MAY RESULT FROM :
* TIRE FAILURE DUE TO UNDERINFLATION /OVERLOADING OR MISAPPLICATION - -
FOLLOW TIRE PLACARD INSTRUCTIONS IN VEHICLE. CHECK INFLATION PRESSURE
FREQUENTLY WITH AN ACCURATE GAUGE *EXPLOSION OF TIRE/RIM ASSEMBLY DUE TO
IMPROPER MOUNTING--ONLY SPECIALL TRAINED PERSONS SHOULD MOUNT TIRES WHEN
MOUNTING TIRE,USE SAFETY CAGE AND CLIP -ON EXTENSION AIR HOSE TO INFLATE

11.3C F000040

12. STANDARD RIM : 9.75 **** (**** ---MOULD CODE)

13. BLACKLION

14. BT165

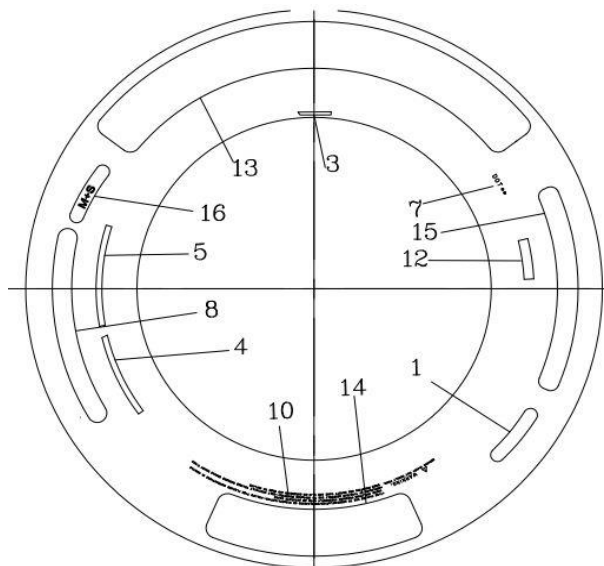
15. 13R22.5

16. M+S 

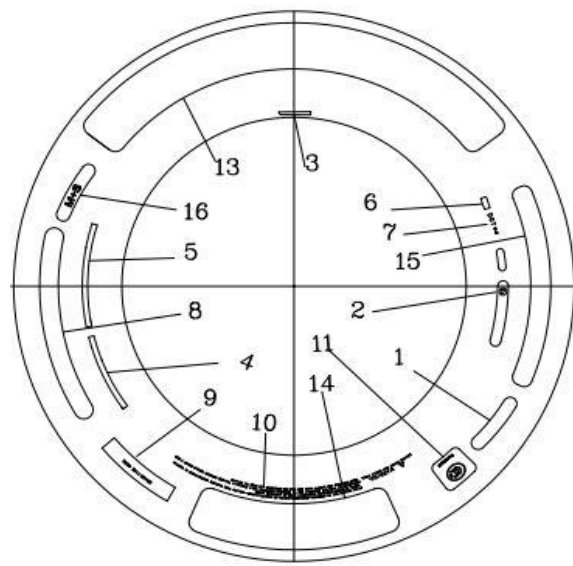
Drawing of the tyre sidewall

Tyre Size

: 205/75R17.5 124/122 M



Upper mold



Lower mold

1. 124/122M 750kpa

2. E4 *****

3. MADE IN CHINA

4. REGROOVABLE

5. RADIAL TUBELESS

6. I***

7. DOT ** **** (****----DATE CODE)

8. 14PR PLIES: TREAD STEEL 4 SIDEWALL STEEL 1
MAX.LOAD SINGLE 1600 kg (3525 LBS) AT 750 kpa (110 PSI) COLD
MAX.LOAD DUAL 1500 kg (3310 LBS) AT 750 kpa (110 PSI) COLD LR:G

9. BRAND TIRE HERE

10. WARNING: SERIOUS INJURY MAY RESULT FROM :

* TIRE FAILURE DUE TO UNDERINFLATION/OVERLOADING OR MISAPPLICATION - - FOLLOW TIRE PLACARD INSTRUCTIONS IN VEHICLE. CHECK INFLATION PRESSURE FREQUENTLY WITH AN ACCURATE GAUGE

*EXPLOSION OF TIRE/RIM ASSEMBLY DUE TO IMPROPER MOUNTING--ONLY SPECIALLY TRAINED PERSONS SHOULD MOUNT TIRES WHEN MOUNTING TIRE,USE SAFETY CAGE AND CLIP -ON EXTENSION AIR HOSE TO INFLATE

11. 3C F000040

12. STANDARD RIM 6.00 **** (**** ---MOULD CODE)

13. BLACKLION

14. BT165

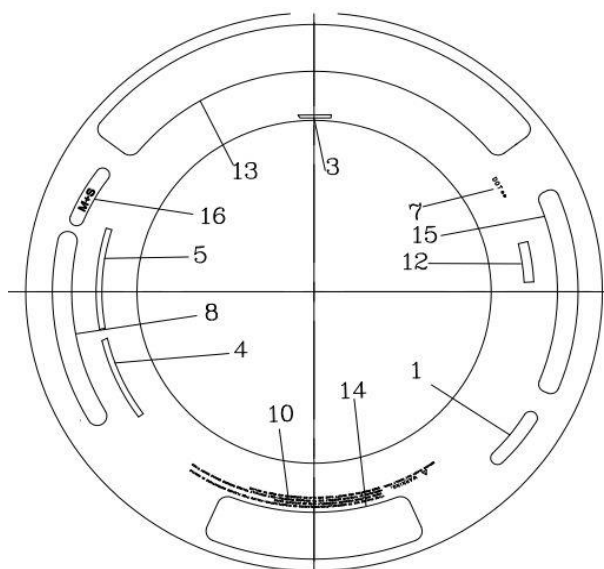
15. 205/75R17.5

16. M+S

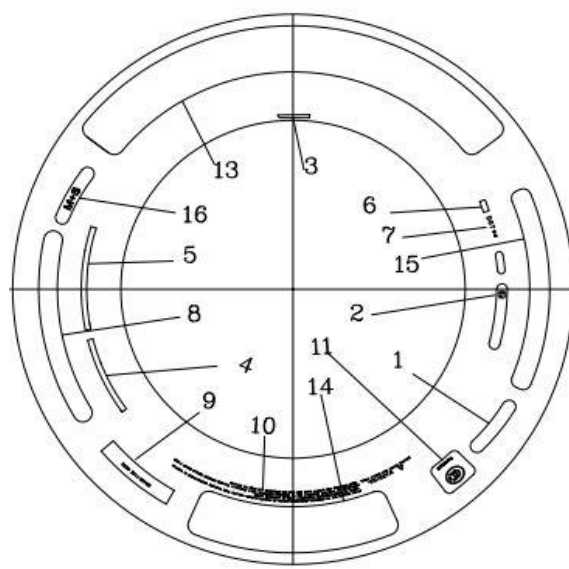
Manufacturer:
Information folder:

Shandong Jinyu Tire Co., Ltd.
BT165-SWR-11

Tyre Size : 315/80R22.5 156/153L



Upper mold



Lower mold

1. 156/153 L 850kpa

2. E4 *****

3. MADE IN CHINA

4. REGROOVABLE

5. RADIAL TUBELESS

6. I***

7. DOT 15 ***** (*****---DATE CODE)

8. 20PR PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL
MAX.LOAD: SINGLE 4000kg(8820LBS) AT 850kpa(125PSI)COLD
DUAL 3650kg(8045LBS)AT 850kpa(125PSI)COLD LR:L

9. BRAND TIRE HERE

10. WARNING: SERIOUS INJURY MAY RESULT FROM :

* TIRE FAILURE DUE TO UNDERINFLATION/OVERLOADING OR MISAPPLICATION - - FOLLOW TIRE PLACARD INSTRUCTIONS IN VEHICLE. CHECK INFLATION PRESSURE FREQUENTLY WITH AN ACCURATE GAUGE

*EXPLOSION OF TIRE/RIM ASSEMBLY DUE TO IMPROPER MOUNTING--ONLY SPECIALLY TRAINED PERSONS SHOULD MOUNT TIRES WHEN MOUNTING TIRE,USE SAFETY CAGE AND CLIP -ON EXTENSION AIR HOSE TO INFLATE

11. 3C F000040

12. STANDARD RIM 9.00 ***** (***** ---MOULD CODE)

13. BLACKLION

14. BT165

15. 315/80R22.5

16. M+S



Test Report No. 86-R117-2088/21-00

Type : **BT165; AT501**
Manufacturer : **Shandong Jinyu Tire Co., Ltd.**

TEST REPORT

according to UN-Regulation

**Uniform Provisions concerning the Approval of Tyres with regard to Rolling Sound Emissions and
to
Adhesion on Wet Surfaces and/or to Rolling Resistance**

UN Regulation No. 117

including all amendments until
Amend.02, Suppl. 12

Approval Status

UN approval : **E4*117R02/10*5522*10**

Structure of report :

Item No.

0. General information

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

2. Tested 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.

Type : BT165; AT501
 Manufacturer : Shandong Jinyu Tire Co., Ltd.

0. General information

- 0.1. Make (trade name of the manufacturer) : Shandong Jinyu Tire Co., Ltd.
- 0.2. Type : BT165; AT501
- 0.3. Category of vehicle : Not applicable
- 0.4. Name and address of the manufacturer : Shandong Jinyu Tire Co., Ltd.
 No. 260 Qingken Road, Dawang Town,
 Guangrao County, Dongying City,
 257335, Shandong Province, China (PRC)
- 0.5. No. of the information folder : BT165-SWR-11
 -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)~~ : BT165; AT501
- Identification number : See Appendix 1
- 1.1.2. Condition of ~~vehicle(s)~~ / Object(s) : New / ~~Used~~ / ~~Prototyped~~
- 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) and RDW Announcement for the Technical Service number: 2018/01[Regulation R117], the description was mentioned in No. II [Worst case selection] of information folder No. BT165-SWR-11
- ~~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.

Test Report No. 86-R117-2088/21-00

Type : BT165; AT501
 Manufacturer : Shandong Jinyu Tire Co., Ltd.

- 1.3. Remarks : All versions of the types as stated in the information folder are covered by the tested object(s) respectively.

2. Tested 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 : See Appendix 1
- 2.1.2. Subcontracting
- Tyre noise : Not applicable
 - Wet grip : Not applicable
 - Rolling resistance : Not applicable
 - Snow performance : Not applicable
- 2.2. Test results : See appendix 1
- Numbering according to Paragraph 6. and 7. of the UN-R117
- 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 : See Appendix 1
- Test date : See Appendix 1
- 2.4. Remarks : Not applicable

Type : **BT165; AT501**
Manufacturer : **Shandong Jinyu Tire 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).

Engineering centre Shanghai / June 22, 2021
LC



Linda Chen
Expert Technical Service

Type : BT165; AT501
Manufacturer : Shandong Jinyu Tire Co., Ltd.

List of modifications

Appendix 0

Correction of	: ---
Modification of	: Upgrade of regulation supplement No. 12
Addition of	: Tyre sizes unnecessary for repetition test
Deletion of	: ---

Test Report No. 86-R117-2088/21-00

Type : BT165; AT501
Manufacturer : Shandong Jinyu Tire Co., Ltd.

Test minutes

1. Tyre noise measurements : Refer to report No. : CV17050809 corresponding to type approval No. : E4-117R-025522 S2WR2 Ext.03
2. Tyre wet grip measurements : Refer to report No. : CV17050809 corresponding to type approval No. : E4-117R-025522 S2WR2 Ext.03
3. Rolling resistance measurements : Refer to report No. : 86-R117-4617/20-00 corresponding to type approval No. : E41*117R02/10*5522*10
 - 3.1. Date of test : March 19, 2019
 - 3.2. Test site : Qingdao Product Quality Supervision and Testing Research Center
No.77, Keyuan Weisi Road, Laoshan District, Qingdao, Shandong, China
 - 3.3. Test machine information

Make / type	: TJR-RR-PC/TB(Y)
Applicable test method	: Force method
Diameter ($\geq 1.7\text{m}$)	: 2 m
Surface	: Smooth steel / Textured surface
Latest test machine monitoring on	: March, 2019
Measurement standard deviation σ_m in latest monitoring	: $\sigma_m = 0.046 \text{ N/kN}$ ($\sigma_m \leq 0.06 \text{ N/kN}$ for Class C3 tyres)
 - 3.4. Test tyre details

Tyre brand and trade description	: BLACKLION / BT165
Tyre type	: 205/75R17.5 124/122M
Tyre structure	: Radial
Category of use	: Snow tyre for use in severe snow conditions
Tyre class	: C3
Plies fo tread and sidewall	: 4 Steel / 1 Steel
State whether the tyre is	: Standard / Reinforced
Manufacturing date code	: 0719
 - 3.5. Test conditions

Test rim size / material	: 6.00 × 17.5 / Steel
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Test Report No. 86-R117-2088/21-00

Type : BT165; AT501
 Manufacturer : Shandong Jinyu Tire Co., Ltd.

Test speed	:	80 km/h	
Test load (85% of maximum load capacity)	:	13337 N	
Inflation pressure	:	750 kPa	
Thermal conditioning	:	more than 6 hours	
Warm-up	:	Forward rotation	Reverse rotation
		150 minutes	30 minutes
3.6. Measurement and recording			
The initial test inflation pressure	:	750 kPa	
		Forward rotation	Reverse rotation
The test speed, U_n	:	80.00 km/h	-80.00 km/h
The ambient temperature, t_{amb}	:	24.93 °C	24.77 °C
The load on the tyre normal to the drum surface, L_m	:	13337.203 N	13337.100 N
Spindle force(formal test mode)	:	61.511 N	-81.063 N
The distance from the tyre axis to the drum outer surface under steady-state conditions, r_L (formal test mode)	:	355.694 mm	355.711 mm
Skim test load	:	399.842 N	399.894 N
Spindle force (skim test mode)	:	7.111 N	-21.838 N
The distance from the tyre axis to the drum outer surface under steady-state conditions(skim test mode)	:	375.459 mm	375.461 mm
3.7. Rolling resistance result			
Initial value (or average in the case of more than 1)	:	5.753 N/kN	
Temperature corrected	:	5.748 N/kN	
Temperature and drum diameter corrected	:	5.748 N/kN	
Limit value for C3 (Stage 4 II)	:	9.0 7.5 N/kN	

Test Report No. 86-R117-2088/21-00

Type : **BT165; AT501**
Manufacturer : **Shandong Jinyu Tire Co., Ltd.**

The test result corrected by alignment equation mentioned in paragraph 6 of Annex V of Regulation (EU) No. 2020/740 is: 5.767 N/KN, Energy Efficiency Class: n/a

Test Report No. 86-R117-2088/21-00

Type : **BT165; AT501**
Manufacturer : **Shandong Jinyu Tire Co., Ltd.**

4. **Snow performance measurements** : **Refer to report No. : 86-R117-4617/20-00 corresponding to type approval No. : E41*117R02/10*5522*10**
- 4.1. Date of test : January 09, 2020
- 4.2. Location of test track : CATARC Hulunbeier Winter Proving Ground Co., Ltd.
- 4.3. Test vehicle : SRTT and Candidate tyre installed on
- Make / vehicle name : QL1100A8LA
- VIN : LWLNRA8K6HL003455
- 4.4. Test tyre details : Candidate tyre
- Tyre brand and trade description : BLACKLION / BT165
- Tyre type : 205/75R17.5 124/122M
- Tyre structure : Radial
- Category of use : Snow tyre for use in severe snow conditions
- State whether the tyre is : ~~Standard / Reinforced~~
- Manufacturing date code : 3919
- 4.5. Test procedure and SRTT used : MECHELIN 245/70R19.5 – ASTM F2871
- Identification of the SRTT : FWLB 008X 4515
- 4.6. Test results
- Measured snow index value relative to SRTT : **1.51**
- Limit value for C3 : 1.25

Test Report No. 86-R117-2088/21-00

Type : BT165; AT501
 Manufacturer : Shandong Jinyu Tire Co., Ltd.

Test data : Candidate tyre

	At start of tests	At end of tests	Specification
Weather	Outdoor	Outdoor	n/a
Ambient temperature	-9.1 °C	-14.2 °C	-2°C to -15°C
Snow temperature	-10.6 °C	-9.8 °C	-4°C to -15°C
CTI index	84	84	80 to 90

		SRTT (1 st test)		Candidate tyre(3/3)		SRTT (2 nd test)	
Tyre dimensions		245/70R19.5 136/134M		205/75R17.5 124/122M		245/70R19.5 136/134M	
Test rim width code		7.5 x 19.5		6.00 x 17.5		7.5 x 19.5	
Reference load Q _r (kg)		2240		1600		2240	
		Left	Right	Left	Right	Left	Right
Tyre load(kg)	Rear	905	850	835	855	905	850
Load index(%)	Rear	40.40%	37.95%	52.19%	53.44%	40.40%	37.95%
Tyre pressure (kpa)	nomimal	760		750		760	
	actual	532		525		532	

Valid Test results : Average acceleration (m/s²)

Run number	Specification (km/h)	SRTT (1 st test)		Candidate tyre (3 of 3)		SRTT (2 nd test)	
		AA	Slip ratio%	AA	Slip ratio%	AA	Slip ratio%
1	10-25	0.943	10.8%	1.336	24.32%	0.905	24.6%
2	10-25	0.920	11.0%	1.326	23.82%	0.862	11.5%
3	10-25	0.863	14.1%	1.307	21.85%	0.912	27.3%
4	10-25	0.862	11.9%	1.338	19.50%	0.927	30.0%
5	10-25	0.816	22.6%	1.357	18.75%	0.891	15.7%
6	10-25	0.837	11.9%	1.363	17.55%	0.855	30.6%
Mean		0.874	---	1.338	---	0.892	---
Std-deviation		0.045		0.020		0.026	
CV (< 6%)		5.11%		1.53%		2.92%	
Validation SRTT (≤ 6%)		--		--		2.11%	
SRTT Average		0.883		--		--	
Snow Index		1.00		SG = 1.51		--	