



中国认可  
国际互认  
检测  
TESTING  
CNAS L1879

控制编号: ZQCLJYC22-L3A



## Test Report

Report No.: CWIC2024-04-89

Consigner: NINGBO BRS AUTO PARTS CO., LTD.

Sample name: Steel wheel

Size/Model: 14×5.5

Approved date: 28 Apr. 2024

CAAM Wheel Inspection Center Co., Ltd.  
Machinery Industry Wheel Quality Inspection Center



## **Declaration and address of lab**

### **I. Declaration**

1. Cachet and signature of writer 、 auditor and approver are requested for validation.
2. Invalidate if altered.
3. Could not copy the certificate of inspection without written approval. (Except completely copy ).
4. Each report comes with two originals.
5. This report is validate for testing sample only.
6. If any objection to report, please report within 15 days after receiving, otherwise it will not be accepted.

### **II. Address**

Inspector: CAAM Wheel Inspection Center Co., Ltd.

Address: No. 1 NenJiang west road economy and technology development  
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Tel: 0335-5910220

Fax: 0335-5910220

Mail NO.: 066004

Consigner: NINGBO BRS AUTO PARTS CO., LTD.

Address: ROOM 1101-1, NO.555, MIDDLE RILI ROAD, YINZHOU  
DISTRICT, NINGBO CITY, ZHEJIANG PROVINCE

Tel: 13666366687

Fax:

Mail NO.: 315000

Test Report

Summary:

Sample name: Steel wheel

Size/Model: 14×5.5

Consigner: NINGBO BRS AUTO PARTS CO., LTD.

Item: Dynamic cornering fatigue test

Testing gist: SAE J 1204: Aug. 2017 (R) Wheels-Recreational and Utility Trailer Fatigue Test Procedure and Performance Requirements (Parameters provided by consigner)


Samples received date: 28 Apr. 2024


Number of samples: 1 piece

Accept No. of testing samples: 2024-264-01

Testing Date: 28 Apr. 2024

Conclusion: Pass

Written by: 

Audited by: 



Sample Explanation:

Consigner: NINGBO BRS AUTO PARTS CO., LTD.		Application vehicle	///
Size/Model	14×5.5	Offset	0mm
Number of Nut hole	5	P.C.D.	114.3mm
Wheel surface state	Not Painted	Rated load	850kg
Weight of wheel	7.45kg		
Appearance description	Good appearance, no visible defects.		



## Fatigue Test

- 1. Purpose:** Authenticate for products reliability
- 2. Specification:** SAE J 1204: Aug. 2017 (R) Wheels-Recreational and Utility Trailer Fatigue Test Procedure and Performance Requirements (Parameters provided by consigner)
- 3. Sample volume:** 1 piece
- 4. Testing equipment:** CFT-02 Dynamic cornering fatigue testing machine
- 5. Results:**

Item	Specification	Test termination	Accept No.	Results	Conclusion
Dynamic cornering fatigue test	Load: 2,573N·m Revolution: 18,000 Rotate speed: 350r/min Nut torque: 115N·m	a) Wheel exceeds the initial deflection at point of load application by 20%; b) A visually detected crack penetrating through a section of the wheel in the base metal or propagation of any existing fracture resulting in a fatigue crack penetrating through any section of the wheel at the required revolutions is not allowed; c) One or more lug nuts loosening to more than 60% of the initial torque at the required revolutions; d) Break or crack of a functional fastener; e) Broken lug bolts or other parts of the test fixture do not require test termination but may result in damage to the wheel and test invalidation. Broken lug bolts shall not be replaced more than once per test. All bolts should be replaced if lug bolts are replaced. If necessary the test shall be terminated and the wheel retested or replaced and retested.	2024-264-01	Achieve 18,000 revolutions with no cracks when sustain the test load.  Achieve 35,000 revolutions with no cracks when sustain the test load.	Pass
Remarks	///				

Written by:

Audited by:

Approved by:

Date: 28 Apr. 2024





## Dynamic cornering fatigue test

Accept No.	2024-264-01	Size/Model	14×5.5
Test load	2,573N·m	Required revolution	18,000
Initial deflection	9.97mm	Final deflection	9.98mm
Results	Achieve 18,000 revolutions with no cracks when sustain the test load. Achieve 35,000 revolutions with no cracks when sustain the test load.		



Picture 1



Picture 2