



中国认可
国际互认
检测
TESTING
CNAS L1879

控制编号: ZQCLJY-CX22-L3A



检验报告

Test report

报告编号 Report No.: CWIC2024-09-58

委托单位: 宁波市宝尔森汽配有限公司

Consigner: NINGBO BRS AUTO PARTS CO., LTD.

受检样品名称: 钢制车轮

Sample name: Steel wheel

型号/规格 Size/Model: 13×4

制造单位: 宁波市宝尔森汽配有限公司

Manufacturer: NINGBO BRS AUTO PARTS CO., LTD.

签发日期 Approved date: 27 Sep. 2024

中汽协车轮质量监督检验中心有限公司
CAAM wheel inspection center Co., Ltd.
机械工业车轮产品质量监督检测中心
Machinery industry wheel quality inspection center

实验室声明及联系地址 Declaration and address of lab

一、声明 Declaration

1. 报告无实验室公章及编制人、审核人、批准人签字无效。
Cachet and signature of writer、auditor and approver are requested for validation.
2. 报告涂改无效。 Invalidate if altered.
3. 未经实验室书面批准，不得复制检验证书或报告。 Could not copy the certificate of inspection without written approval.
4. 报告一式两份。 Each report comes with two originals.
5. 本检验结果仅对所检验的样品负责。
This report is validate for testing sample only.
6. 如对报告内容有异议请在收到报告后 15 日内提出，否则不予受理。
If any objection to report, please report within 15 days after receiving, otherwise it will not be accepted.

二、联系地址 Address

试验单位：中汽协车轮质量监督检验中心有限公司

Inspector: CAAM wheel inspection center Co., Ltd.

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委托单位：宁波市宝尔森汽配有限公司

Consigner: NINGBO BRS AUTO PARTS CO., LTD..

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电 话 Tel:

传 真 Fax:

邮 编 Mail NO.:

检 验 报 告

Test report

试验总述 Summary:

型号/规格 Size/Model: 13×4

受检样品名称: 钢制车轮

Sample name: Steel wheel

委托单位: 宁波市宝尔森汽配有限公司

Consigner: NINGBO BRS AUTO PARTS CO., LTD.

制造单位: 宁波市宝尔森汽配有限公司

Manufacturer: NINGBO BRS AUTO PARTS CO., LTD.

检验项目: 弯曲疲劳试验、径向疲劳试验

Item: Cornering fatigue test Radial fatigue test

试验标准 Standard: ECE R124-00 2011 年 3 月关于批准乘用车及其挂车车轮的统一规定

ECE R124-00 MAR/2011Uniform provisions concerning the approval of wheels for passenger cars and their trailers (试验参数由委托单位提供 Parameters provided by consigner)

样品接收日期 Samples received date: 24 Sep. 2024

试验样品数量 Number of testing samples: 2 件 Pieces

受检样品接收编号 Accept No. of testing samples: 2024-650-01~02

检验日期 Testing Date: 24 Sep. 2024~26 Sep. 2024

检验结果 Conclusion: 合格 Pass

编制 Written by: 审核 Audited by: 批准 Approved by: 

样品说明 Sample descriptions:

委托单位 Consigner: 宁波市宝尔森汽配有限公司 NINGBO BRS AUTO PARTS CO., LTD.		配用车型	///
规格/型号 Size/Model	13×4	偏距 Offset (mm)	30
滚动半径 (mm) Dynamic radius	273	额定载荷 (kg) Rated load	500
螺栓孔节圆直径 P.C.D. (mm)	100	螺栓孔数量 Number of bolt holes	4
车轮是否喷漆 Wheel surface state	已喷漆 Painted	车轮重量 (kg) Weight of wheel	5.88
外观描述 Appearance description	外观品质良好, 未发现明显缺陷。 Good appearance, no visible defects.		

可靠性试验 Fatigue test

1. 目的 Purpose: 可靠性验证 Authenticate for reliability
2. 试验标准 Standard: ECE R124-00 2011 年 3 月关于批准乘用车及其挂车车轮的统一规定 ECE R124-00 MAR/2011 Uniform provisions concerning the approval of wheels for passenger cars and their trailers (试验参数由委托单位提供 Parameters provided by consigner)
3. 试验样品数量 Number of testing samples: 2 件 Pieces
4. 试验设备 Testing equipment: CFT-03 弯曲疲劳试验机 Cornering fatigue testing machine
RFT-02 径向疲劳试验机 Radial fatigue testing machine

5. 结果 Test details:

项目 Item	条件 Specification	标准要求 Test requirements	样品编号 Accept No.	结果 Results	判定 Conclusion
弯曲疲劳试验 Cornering fatigue test	弯矩 Load: 1,352N·m 转数 Revolutions: 230,000 转速 Rotate speed: 1,286r/min 螺母扭矩 Nut torque: 115N·m	a) 车轮任何部位无可见疲劳裂纹 No visible cracks come into being in any section; b) 加载点的偏移增量不能超过初始全加载偏移量的 10% Load arm shaft deflection shall not exceeds the initial deflection at point of load application by 10%; c) 螺母扭矩损失不能大于 30% The loss of nut torque shall not exceeding 30% of the initial torque.	2024-650-01	完成 230,000 转无可见裂纹, 偏移增量 0.88%, 未超过初始偏移量的 10% Achieve 230,000 revolutions with no cracks when sustain the test load. The load arm shaft deflection is 0.88% not exceed the initial deflection at point of load application by 10%	合格 Pass
	弯矩 Load: 2,028N·m 转数 Revolutions: 20,000 转速 Rotate speed: 1,408r/min 螺母扭矩 Nut torque: 115N·m			完成 20,000 转无可见裂纹, 偏移增量-1.49%, 未超过初始偏移量的 10% Achieve 20,000 revolutions with no cracks when sustain the test load. The load arm shaft deflection is -1.49% not exceed the initial deflection at point of load application by 10%	合格 Pass
径向疲劳试验 Radial fatigue test	载荷 Load: 9,810N 里程 Mileage: 1000km 轮胎 Tire: 145/80R13 充气压力 Inflation pressure: 450kPa 螺母扭矩 Nut torque: 115N·m	a) 车轮任何部位无可见疲劳裂纹 No visible cracks come into being in any section; b) 车轮承受载荷至要求的循环次数 Achieve required revolutions when sustain the load.	2024-650-02	在试验载荷下完成 1000km 无可见裂纹 Achieve 1000km with no cracks when sustain the test load	合格 Pass

编制 Written by:

审核 Audited by:

批准 Approved by:

日期: 27 Sep. 2024

弯曲疲劳试验

Cornering fatigue test

样品编号 Accept No.	2024-650-01	规格/型号 Size/Model	13×4
试验载荷 Test load	1,352N·m	要求转数 Required revolutions	230,000
初始偏移 Initial deflection	1.13 mm	最终偏移 Final deflection	1.14 mm
试验结果 Results	完成 230,000 转无可见裂纹，偏移增量 0.88%，未超过初始偏移量的 10% Achieve 230,000 revolutions with no cracks when sustain the test load. The load arm shaft deflection is 0.88% not exceed the initial deflection at point of load application by 10%		
最终螺母扭矩 Final nut torque	均大于 112 N·m All more than 112 N·m		



图片 Picture1



图片 Picture2

弯曲疲劳试验

Cornering fatigue test

样品编号 Accept No.	2024-650-01	规格/型号 Size/Model	13×4
试验载荷 Test load	2,028N·m	要求转数 Required revolutions	20,000
初始偏移 Initial deflection	2.01 mm	最终偏移 Final deflection	1.98 mm
试验结果 Results	完成 20,000 转无可见裂纹，偏移增量-1.49%，未超过初始偏移量的 10% Achieve20,000 revolutions with no cracks when sustain the test load. The load arm shaft deflection is -1.49% not exceed the initial deflection at point of load application by 10%		
最终螺母扭矩 Final nut torque	均大于 113 N·m All more than 113 N·m		



图片 Picture1



图片 Picture2

径向疲劳试验
Radial fatigue test

样品编号 Accept No.	2024-650-02	规格/型号 Size/Model	13×4
试验载荷 Test load	9,810N	里程 Mileage	1000km
使用轮胎 Tire	145/80R13	充气压力 Inflation pressure	450kPa
轮胎最终气压 Final tire pressure	450kPa	最终螺母扭矩 Final nut torque	均大于 111 N·m All more than 111 N·m
试验结果 Results	在试验载荷下完成 1000km 无可见裂纹 Achieve 1000km with no cracks when sustain the test load		



图片 Picture1



图片 Picture2