CMA 240008349919

CNAS 中国认可 国际互认 检测 TESTING CNAS L1679

控制编号：ZQCLJY-CX22-L3A

检 测 报 告

Test report

报告编号 Report No.：CWIC2025-04-10

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：14×6

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: 07 Apr. 2025

中汽协车轮质量监督检测中心有限公司
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，不得复制检测证书或报告。** Could not copy the certificate of inspection without written approval.
4. **报告一式两份。** Each report comes with two originals.
5. **本检测结果仅对所检测的样品负责。**
   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测中心有限公司
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Consigner: NINGBO BRS AUTO PARTS CO., LTD..
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传 真 Fax:
邮 编 Mail NO.:

检 测 报 告

Test report

试验总述 Summary：

型号/规格 Size/Model：14×6
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.
检测项目：弯曲疲劳试验
Item: Cornering fatigue test
试验标准 Standard：
SAE J1204:2023 年 12 月车轮-休闲及多用途挂车疲劳性能要求和试验方法
SAE J 1204: 2023（R）Wheels-Recreational and Utility Trailer Fatigue Test Procedure and Performance Requirements （试验参数由委托单位提供 Parameters provided by consigner)
样品接收日期 Samples received date：07 Apr. 2025
试验样品数量 Number of testing samples：1 件 Piece
受检样品接收编号 Accept No. of testing samples：2025-199-01
检测日期 Testing Date：07 Apr. 2025
检测结果 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	14×6	偏距 Offset（mm）	10
滚动半径（mm） Dynamic radius	324	额定载荷（kg） Rated load	950
螺栓孔节圆直径 P.C.D.（mm）	114.3	螺栓孔数量 Number of bolt holes	5
车轮是否喷漆 Wheel surface state	未喷漆 Not Painted	车轮重量（kg） Weight of wheel	7.73
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：
SAE J1204:2023 年 12 月车轮-休闲及多用途挂车疲劳性能要求和试验方法
SAE J 1204: 2023（R）Wheels-Recreational and Utility Trailer Fatigue Test Procedure and Performance Requirements （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：1 件 Piece
4. **试验设备** Testing equipment：CFT-02 弯曲疲劳试验机 Cornering 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 Dynamic cornering fatigue test	弯矩 Load：3,200N·m 转数 Revolutions：18,000 转速 Rotate speed：400r/min 螺母扭矩 Nut torque：115N·m	a)车轮在加载点偏移超过初始偏移量 20% Wheel exceeds the initial deflection at point of load application by 20%; b)产生渗入基体的可见疲劳裂纹或原始裂纹扩展 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)一个或多个螺母松动至初始扭矩的 60%以下 One or more lug nuts loosening to more than 60% of the initial torque at the required revolutions; d)功能紧固件的断裂或裂纹 Break or crack of a functional fastener; e)测试螺栓或螺柱或测试夹具的其他部件的失效不需要终止测试，但可能导致车轮损坏和测试失效。每次试验不得更换破损的螺栓超过一次，如需更换螺栓，应更换所有螺栓，如有必要，应终止试验，重新试验或更换车轮并重新试验。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.	2025-199-01	完成 18,000 转无可见疲劳裂纹，偏移增量未超过初始偏移量的 20%最终螺母扭矩未松动至初始扭矩的 60%以下。Achieve 18,000revolutions with no cracks when sustain the test load. The load arm shaft deflection does not exceed the initial deflection at point of load application by 20%The lug nuts has not loosened to below 60% of the initial torque	合格 Pass
备注 Remarks	///				

编制 Written by: 审核 Audited by: 批准 Approved by: 日期：07 Apr. 2025

弯曲疲劳试验

Cornering fatigue test

样品编号 Accept No.	2025-199-01	规格/型号 Size/Model	14×6
试验载荷 Test load	3,200 N·m	要求转数 Required revolutions	18,000
初始偏移 Initial deflection	14.85mm	最终偏移 Final deflection	14.96 mm
试验结果 Results	完成 18,000 转无可见疲劳裂纹，偏移增量未超过初始偏移量的 20%最终螺母扭矩未松动至初始扭矩的 60%以下。 Achieve 18,000revolutions with no cracks when sustain the test load. The load arm shaft deflection does not exceed the initial deflection at point of load application by 20%The lug nuts has not loosened to below 60% of the initial torque		
最终螺母扭矩 Final nut torque	均大于 87 N·m All more than 87 N·m		

图片 Picture1

图片 Picture2