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Commercial Vehicle Drive Axle Assembly
商用车驱动桥总成

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Commercial Vehicle Drive Axle Assembly

1 SCOPE

This document specifies the technical requirements and bench test methods for commercial vehicle drive axle assembly.

This document is applicable to the commercial vehicle drive axle assembly, while the passenger car drive axle assembly and electric drive axle assembly may use this document as a reference.

2 NORMATIVE REFERENCES

The following normative documents contain provisions which, through normative reference in this text, constitute essential provision of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendment) applies.

QC/T 1126 Automotive drive axle terminology and definition

3 TERMS AND DEFINITIONS

For the purposes of this document, the terms and definitions given in QC/T 1126 "Automotive drive axle terminology and definition" and the following apply.

3.1 axle housing vertical bending static strength safety factor

Ratio of the axle housing vertical bending failure load to the axle load in laden state

$$K_n = \frac{P_n}{P} \dots\dots\dots (1)$$

Where,

K_n is the vertical bending static strength safety factor;

P_n is the vertical bending failure load, in N;

P is the axle load in laden state, in N.



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