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Fatigue test method for transmission precision roller chains and leaf chains

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In the event of any doubts arising as to the contents,
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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Chain Association (JCA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS B 1811:2008** is replaced with this Standard.

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Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Fatigue test method for transmission precision roller chains and leaf chains

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 15654 : 2015**, Edition 2, with some modifications of the technical contents to conform to the usage situations unique to Japan.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies the fatigue test method for transmission precision roller chains and leaf chains (hereafter referred to as chains). This Standard is applicable to the fluctuating tension type test of chains, made at room temperature with the force applied along the longitudinal axis of the chain. This Standard also specifies procedures for statistic analyses of the test results, and gives formats and elements for presenting the results of fatigue tests and analyses.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 15654 : 2015 *Fatigue test method for transmission precision roller chains and leaf chains* (IDT)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 1801 *Short-pitch transmission precision roller chains and bush chains*

NOTE : Corresponding International Standard : ISO 606 : 2015 *Short-pitch transmission precision roller and bush chains, attachments and associated chain sprockets*

JIS B 1804 *Leaf chains*

NOTE : Corresponding International Standard : ISO 4347 : 2015 *Leaf chains, clevises and sheaves — Dimensions, measuring forces, tensile strengths and dynamic strengths*