

ICS 65.060.80
CCS B 95



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 32530-2016

**Machinery for forestry -- Saw chain shot guarding systems --
Test method and performance criteria**

林业机械 锯链甩射防护系统 试验方法和性能要求

(English Translation)

Issued on: February 24, 2016

Implemented on: September 1, 2016

Issued by: Standardization Administration of China

Table of Contents

Foreword
Introduction
1 Scope
2 Terms and definitions
3 Test Equipment
3.1 Test apparatus

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard uses the translation method identical with ISO 11837:2011 "Forestry machinery chain saw dumped shoot protection system test methods and performance requirements." this standard made the following editorial changes.

--- Increased about 4.3 unit conversion of Notes;

--- Table 1 to the Chapter 9 characters behind, consistent with its narrative content.

This standard was proposed by the State Forestry Administration.

This standard by the National Forestry Machinery Standardization Technical Committee (SAC/TC61) centralized.

Introduction

In the analysis of saw chain risk rejection shot on the basis of determining the type of chain saws and broken and choose to prevent the risk of the saw chain rejection shoot protection system.

Combined harvester working head and logging sawing machine to be installed first effective chain saws rejection shoot protection system. Any rejection of chain saws shoot protection system can not guarantee 100% security. This standard gives a method for evaluating Rejection shot upward from the rear drive sprocket chain saws rejection shoot protection system performance along a direction of movement of the saw chain saw chain.

The standard test apparatus designed to simulate conditions when the saw chain is jammed and damaged wood in the cutting process, the saw chain end thrown from the plane of the guide plate located inside the drive sprocket. Different speed chain saws and chain saws and broken position, the braking force, the shape and guides the saw chain saw

chain preload force generated rejection shot at the bend, while chain saws may have thrown the emissive material.

The standard test procedures used to evaluate the protective chain saw protection and the ability to produce the phenomenon of rejection shoot shot thrown objects.

Forestry machinery chain saw dumped shoot protection system Test methods and performance requirements WARNING. Some programs specified in this standard test method adopted may cause dangerous situations. Test will cause the saw chain rejection shot.

Only in the case of mounting a protective cover, in order to carry out the test, and when the rotating member stationary in order to remove the protective cover.

1 Scope

This standard gives the performance requirements of forestry machinery for cutting machines Shredder working head and chain saws cutting head thrown shoot protection systems and the corresponding test methods.

This standard applies only to guide the saw chain in the cut side and broken.

Note: Allow the use of other test methods and test equipment yield equivalent results.

2 Terms and definitions

The following terms and definitions apply to this document.

Saw chain shot was thrown One or more components from the high-speed chain saws and broken thrown (transmission chain pieces, connecting pieces, Cutting chain sheet).

Note 1: The saw chain by the drive chain sheet, gear and chain piece connecting pieces riveted by chain piece pin.

Note 2: Depending on chain saws and chain saws and broken portion size, chain saws were thrown shot weight from 1g to 100g.

Note 3: During the test, may result in different directions with a chain saw rejection occurs when a plurality of radio emission was thrown chain saws.

Chain saws maximum design speed Cutting attachment from the saw chain, guide and sprocket drive at a maximum speed of no-load operation of the saw chain.

Cutting Accessories

Member from the saw chain, guide and drive sprocket mounted on the joint work harvester head or a harvester cutting head.

Saw chain shot thrown protection system Saw chains and broken, to prevent their volley

and/or exit from the drive sprocket was thrown rejection system.

Analog board

Plastic film, kraft paper or similar material which can reflect the chain saw traces of shot thrown flat.

3.1 Test apparatus

Chain saws should be thrown shoot protection system and all its components are mounted on a test stand to simulate a complete joint harvester working head