ISO 9518:1998-10 (E)

Forestry machinery - Portable chain-saws - Kickback test

Contents

Page

1 Scope 1

2 Normative references 1

3 Definitions 1

4 Test method 2
4.1 Principle 2
4.2 Materials 3
4.3 Apparatus 3
4.4 Preparation 3
4.4.1 Physical measurements 3
4.4.2 Saw chain preparation 3
4.4.3 Chain-saw preparation 4
4.4.4 Kickback machine preparation 4
4.4.5 Chain-saw installation and alignment 4
4.4.6 Saw/clamp/cradle assembly balance 5
4.4.7 Friction measurements 5
4.4.8 Restraining systems alignment 5
4.4.9 Impact velocity adjustment 5
4.5 Test requirements and procedures 5
4.5.1 Test requirements 5
4.5.2 Kickback testing 6
4.5.3 Kickback energy determination 8
4.5.4 Chain brake energy determination 8
4.5.5 Chain brake actuation angle measurement 10
4.5.6 Chain brake stopping time measurement 10
4.6 Kickback angle computation 10
4.6.1 Input data 11
4.6.2 BASIC computer program 11
4.6.3 Results 11
4.7 Test report 11

Annex A (normative) Computer program flowchart 22

Annex B (informative) Basic computer program 33