ISO 19432:2012-07 (E)

Building construction machinery and equipment - Portable, hand-held, internal combustion engine driven cut-off machines - Safety requirements

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Safety requirements and verification 4
4.1 General 4
4.2 Handles 5
4.3 Spindle speed 5
4.4 Engine-starting device 5
4.5 Engine-stopping device 6
4.6 Throttle control system 6
4.7 Clutch 8
4.8 Exhaust gases 8
4.9 Cutting-debris discharge 8
4.10 Fuel and oil system 9
4.11 Protection against contact with parts under high voltage 9
4.12 Transmission cover(s) 10
4.13 Protection against contact with hot parts 10
4.14 Cut-off wheel guard 12
4.15 Flange locking device 13
4.16 Flange assembly 13
4.17 Spindle diameter 15
4.18 Special tools 15
4.19 Noise 15
4.20 Vibration 15
4.21 Electromagnetic immunity 16

5 Information for use 16
5.1 Instruction handbook 16
5.2 Markings 19
5.3 Warnings 20

Annex A (normative) Strength test of cut-off wheel guard 21

Annex B (normative) Noise test code -- Engineering method (grade 2 of accuracy) 23

Annex C (normative) Measurement of vibration values at the handles 31

Annex D (normative) Cut-off machine positions 38

Annex E (informative) Summary of results from round-robin tests (2007 and 2008) on one cut-off machine 40

Annex F (informative) List of significant hazards 41

Bibliography 43