DIN EN ISO 19432:2012-12 (E)

Building construction machinery and equipment - Portable, hand-held, internal combustion engine driven cut-off machines - Safety requirements (ISO 19432:2012)

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 6

4 Safety requirements and verification 8
4.1 General 8
4.2 Handles 9
4.3 Spindle speed 9
4.4 Engine-starting device 9
4.5 Engine-stopping device 10
4.6 Throttle control system 10
4.7 Clutch 12
4.8 Exhaust gases 12
4.9 Cutting-debris discharge 12
4.10 Fuel and oil system 13
4.11 Protection against contact with parts under high voltage 13
4.12 Transmission cover(s) 14
4.13 Protection against contact with hot parts 14
4.14 Cut-off wheel guard 16
4.15 Flange locking device 17
4.16 Flange assembly 17
4.17 Spindle diameter 19
4.18 Special tools 19
4.19 Noise 19
4.20 Vibration 19
4.21 Electromagnetic immunity 20

5 Information for use 20
5.1 Instruction handbook 20
5.2 Markings 23
5.3 Warnings 24

Annex A (normative) Strength test of cut-off wheel guard 25

Annex B (normative) Noise test code -- Engineering method (grade 2 of accuracy) 27

Annex C (normative) Measurement of vibration values at the handles 35

Annex D (normative) Cut-off machine positions 42

Annex E (informative) Summary of results from round-robin tests (2007 and 2008) on one cut-off machine 44

Annex F (informative) List of significant hazards 45

Bibliography **47**

Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC **48**