

ISO 11681-2:2011-12 (E)

Machinery for forestry - Portable chain-saw safety requirements and testing - Part 2: Chain-saws for tree service

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Safety requirements and/or protective measures	3
4.1	General	3
4.2	Handles	3
4.3	Hand protection	3
4.4	Balance and holding moment	5
4.5	Protection against injury by kickback	5
4.6	Chain catcher	6
4.7	Spiked bumper	6
4.8	Chip discharge	6
4.9	Guide-bar cover	6
4.10	Engine starting device	6
4.11	Engine stopping device	7
4.12	Throttle control	7
4.13	Drive sprocket guard	8
4.14	Clutch	8
4.15	Protection against contact with parts under high voltage	9
4.16	Protection against contact with hot parts	9
4.17	Fuel and oil systems	10
4.18	Exhaust gases	11
4.19	Chain lubrication	11
4.20	Chain tensioning	11
4.21	Attachment device	11
4.22	Vibration	12
4.23	Noise	12
4.24	Electromagnetic immunity	12
5	Information for use	13
5.1	Instruction handbook	13
5.2	Marking	16
5.3	Warnings	16
5.4	Test of labels	17
Annex A (informative) Working with tree service chain-saws from rope and harness		19
Annex B (informative) List of significant hazards		24
Bibliography		26