

# ISO 11681-2:2006-07 (E)

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

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	2
4	List of significant hazards .....	4
5	Safety requirements and verification .....	4
5.1	General .....	4
5.2	Handles .....	5
5.3	Hand protection .....	5
5.4	Balance and holding moment .....	6
5.5	Protection against injury by kickback .....	7
5.6	Chain catcher .....	7
5.7	Spiked bumper .....	8
5.8	Chip discharge .....	8
5.9	Guide-bar cover .....	8
5.10	Throttle trigger .....	8
5.11	Engine stopping device .....	9
5.12	Protection against contact with parts under high voltage .....	9
5.13	Clutch .....	9
5.14	Carburettor adjustment .....	10
5.15	Protection against contact with hot parts .....	10
5.16	Exhaust gases .....	11
5.17	Chain lubrication .....	11
5.18	Tank openings .....	11
5.19	Chain tensioning .....	11
5.20	Attachment device .....	12
5.21	Vibration .....	12
5.22	Noise .....	12
6	Information for use .....	13
6.1	Instruction handbook .....	13
6.2	Markings .....	16
6.3	Warnings .....	16
Annex A (informative)	Pictograms .....	17
Annex B (informative)	Working with tree service chain-saws from rope and harness .....	18
Bibliography .....		24