ISO 5010:2019-11 (E)

Earth-m oving machinery - Wheeled machines - Steering requirements

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 General requirements 4
4.1 General 4
4.2 Required steering systems 5
4.3 All steering systems 5
4.4 Tests with all steering systems 6
4.5 Primary steering system 7
4.6 Secondary steering system 7
4.7 Powered steering system 7
4.8 Steering systems with principal and alternative steering control elements 8
4.9 Ergonomic requirements 8

5 Steering test course 9

6 Machinespecificationsfortest 10

7 Wheel circle test procedure 11

8 Steering tests 11
8.1 Tests with primary steering system 11
8.2 Tests with secondary steering system 12
8.3 Steering test with alternative steering control elements 14

9 Test report 15

10 Information for use 16
10.1 General 16
10.2 Instruction handbook 16
10.2.1 Machines equipped with powered steering system 16
10.2.2 Machines equipped with secondary steering system 17
10.2.3 Machines equipped with steering systems with alternative steering control element with a controlled or limited speed range 17

Bibliography 18