ISO 13590:2003-12 (E)

Small craft - Personal watercraft - Construction and system installation requirements

Contents

Page

Foreword v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Builder's plate 3
4.1 General requirements 3
4.2 Display information 3

5 Fuel system 4
5.1 General 4
5.2 Fuel tanks 4
5.3 Fuel-tank installations 5
5.4 Fuel-tank filling system 6
5.5 Fuel pumps 6
5.6 Carburettors 6
5.7 Fuel-stop valves 6
5.8 Fuel filters and strainers 6
5.9 Spud, pipe and hose fitting 7
5.10 Clips, straps and hose clamps 7
5.11 Metallic fuel line 7
5.12 Plugs and fittings 7
5.13 Vent and fuel-distribution hoses and connections 7
5.14 Grounding (Earthing) 7
5.15 Fire test 7
5.16 Fuel-hose specifications 8

6 Electrical system 10
6.1 Exemptions 10
6.2 Conductor type, size and identification 10
6.3 Conductor support and protection 12
6.4 External ignition protection 12
6.5 Overcurrent protection 12
6.6 Conductor terminations 13
6.7 Batteries 14
6.8 Secondary circuits of ignition systems 14

7 Ventilation 15

8 Hull-structure test 15
8.1 Drop test 15
8.2 Testing 15
8.3 Passing or failing the test 15

9 Floatation test 16
9.1 General 16
9.2 Test conditions 16
9.3 Test procedure 16
9.4 Acceptance level 16

9.5 Floatation material 16

10 Steering-system test 17
10.1 General 17
10.2 Axial-force test 18
10.3 Tangential force test 18
10.4 Fatigue test 18
10.5 Impact test 18

11 Stability 19

12 Means of reboarding 19

13 Towing 20

14 Off-throttle steering 20

15 Owner's manual 20

Bibliography 21