ISO 11623:2002-03 (E)

Transportable gas cylinders - Periodic inspection and testing of composite gas cylinders

Contents

Page

Foreword v

Introduction 1

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Intervals between periodic inspection and testing 3

5 Procedures for periodic inspection and test 6

6 Identification of cylinder and preparation for inspection and test 7

7 External visual inspection 7

8 Internal visual inspection 11

9 Permeability testing 12

10 Pressure test 12

11 Inspection of valve 12

12 Final operations 13

13 Rejection and rendering cylinders unserviceable 14

Annex A (informative) Example of procedure to be adopted when a cylinder valve is suspected of being obstructed 24

Annex B (normative) Damage criteria for wire wound aluminium alloy cylinders 27

Annex C (informative) Volumetric expansion testing of gas cylinders 28

Annex D (informative) Inspection and maintenance of valves - Recommended procedures 36

Annex ZA (normative) Corresponding International and European Standards for which equivalents are not given in the text 37