ISO 16232-7:2007-06 (E)

Road vehicles - Cleanliness of components of fluid circuits - Part 7: Particle sizing and counting by microscopic analysis

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principles 2

5 Equipment 2
5.1 Equipment for the preparation of membrane filters 2
5.2 Analysis equipment 3
5.3 Image analysis 7
5.4 Motorized sample stage 8
5.5 Multiple image analysis 8
5.6 Environmental conditions 9
5.7 Health and Safety 9

6 Calibration 9

7 Procedure 10
7.1 Cleaning and preparing of equipment 10
7.2 Preparation of the membrane filter 10
7.3 Particle sizing and counting procedure 11

8 Results 12
8.1 Test report 12
8.2 Report the results 12

Annex A (informative) Filtration 13

Annex B (informative) Field scanning 14

Annex C (informative) Particle counting on the margin 15

Annex D (informative) Multiple image analysis 18

Annex E (informative) Resolution and calibration of an image analysis system 19

Annex F (informative) Example of a test report 20

Bibliography 22