ISO 21018-3:2008-04 (E)

Hydraulic fluid power - Monitoring the level of particulate contamination of the fluid - Part 3: Use of the filter blockage technique

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Health and safety 2
4.1 General 2
4.2 Electrical power 2
4.3 Mechanical fluid power 2
4.4 Process liquids 2

5 Principle of filter blockage technique 3

6 Equipment 3
6.1 General 3
6.2 Equipment for on-line and off-line calibration and verification 3

7 Operating procedures 5
7.1 General 5
7.2 Operating from a pressurized line 5
7.3 Procedure for operating from a system reservoir 6
7.4 Operating from a bulk container 6
7.5 Operating from a sample bottle 7

8 Calibration and verification procedure 8
8.1 General principles 8
8.2 Equipment required 8
8.3 Preliminary procedures 8
8.4 Preparation of dust sample 9
8.5 On-line calibration/verification procedure 9
8.6 Verification of correct operation 10

9 Calibration and/or verification 11

10 Test report 12
11 Identification statement 12

Annex A (informative) Examples of use and applicability of the filter blockage technique 13