ISO 16889:2022-01 (E)

Hydraulic fluid power - Filters - Multi-pass method for evaluating filtration performance of a filter element

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **2**
3.1 General terms ... 2
3.2 Terms related to differential pressure ... 2

4 Symbols ... **4**

5 General procedures ... **5**

6 Test equipment ... **5**

7 Measuring instrument accuracy and test condition variations ... **6**

8 Filter performance test circuit validation procedures ... **7**
8.1 Filter test system validation ... 7
8.2 Validation of contaminant injection system ... 8

9 Summary of information required prior to testing ... **9**

10 Preliminary preparation ... **9**
10.1 Test filter assembly ... 9
10.2 Contaminant injection system ... 10
10.3 Filter test system ... 11

11 Filter performance test ... **12**

12 Calculations ... **13**

13 Data presentation ... **15**

14 Identification statement ... **17**

Annex A (normative) **Base test-fluid properties** ... **20**

Annex B (informative) **Test system design guide** ... **22**

Annex C (informative) **Examples of report calculations and graphs** ... **28**

Annex D (informative) **Summary of data from the interlaboratory test programme conducted to verify the procedure in this document** ... **37**

Bibliography ... **43**