ISO 3968:2001-12 (E)

Hydraulic fluid power - Filters - Evaluation of differential pressure versus flow characteristics

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols 2
4.1 Literal symbols 2
4.2 Graphical symbols 2

5 Test equipment 2
5.1 General indications 2
5.2 Pump 2
5.3 Reservoir 3
5.4 Temperature control 4
5.5 Clean-up filter 4
5.6 Sampling valve 4
5.7 Mounting of filter 4
5.8 Test fluid 4

6 Measurements 4
6.1 Pressure measurement 4
6.2 Temperature measurement 5
6.3 Kinematic viscosity measurement 5
6.4 Flow rate measurement 5
6.5 Fluid cleanliness measurement 6
6.6 Accuracy of measuring instruments and test conditions 6

7 Procedure 6
7.1 Pipework correction 6
7.2 Cleanliness of test circuit 6
7.3 Characteristics of the filter housing 6
7.4 Characteristics of the filter assembly 7
7.5 Characteristics of the filter element only 7
7.6 Characteristics of the bypass valve 7

8 Presentation of results 8

9 Identification statement (Reference to this International Standard) 10

Bibliography 11