ISO 15086-3:2008-12 (E)

Hydraulic fluid power - Determination of the fluid-borne noise characteristics of components and systems - Part 3: Measurement of hydrauli c impedance

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols 3

5 Test conditions and accuracy of instrumentation 4
5.1 Test conditions (permissible variations) 4
5.2 Instrumentation precision 4

6 Measurement of the impedance of a single-port passive component 5
6.1 Local impedance -- Measurement principle 5
6.2 Hydraulic impedance 5
6.3 Factors influencing the accuracy of the impedance measurement 7
6.4 Measurement of local impedance 9

7 Measurement of the admittance matrix and impedance matrix of a two-port passive hydraulic component 13
7.1 Definitions and principles of measurement of the admittance matrix and impedance matrix of a two-port passive hydraulic component 13

8 Test report 22
8.1 General 22
8.2 General information 22
8.3 Test data 22

9 Identification statement (Reference to this part of ISO 15086) 23

Bibliography 24