ISO 5352-1:2023-09 (E)

Hydraulic fluid power - Determination of discharge flow rate and thermal losses of gas loaded accumulators - Part 1: Test method

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols and units 1

5 Test bench 2

5.1 Appropriate characteristics 2

5.2 Operating principle 3

5.3 Design and dimensioning 4

5.4 Measuring requirements 5

5.5 Precautions to be taken when performing the tests 5

6 Information to be included in the test report 7

Annex A (informative) **Example of data recording to determine the mean flow rate of a gas-loaded bladder accumulator** 9

Annex B (informative) **Example of analysis to determine the mean flow rate of a gas-loaded bladder accumulator** 10

Annex C (informative) **Example of data recording to determine the thermal losses of the test accumulator** 12

Annex D (informative) **Example of analysis to determine the thermal losses of the test accumulator** 15

Annex E (informative) **Example of test bench used for test accumulators whose volume *V* is between 1 l and 20 l** 17

Annex F (informative) **Example of test report** 19