ISO 19879:2021 (E)

Metallic tube connections for fluid power and general use — Test methods for hydraulic fluid power connections

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 General requirements

4.1 Test assemblies
4.2 Test equipment
4.2.1 Test block
4.2.2 Test seals
4.3 Procedure
4.3.1 Thread lubrication
4.3.2 Torque
4.3.3 Temperature
4.4 Test report

5 Repeated assembly test

5.1 Principle
5.2 Procedure
5.3 Re-use of components

6 Leakage test

6.1 Principle
6.2 Procedure
6.3 Re-use of components

7 Proof test

7.1 Principle
7.2 Procedure
7.3 Re-use of components

8 Burst test

8.1 Principle
8.2 Procedure
8.3 Re-use of components

9 Cyclic endurance test

9.1 Principle
9.2 Procedure
9.3 Re-use of components

10 Vacuum test

10.1 Principle
10.2 Procedure
10.3 Re-use of components

11 Overtightening test

11.1 Principle

11.2 Test equipment
11.3 Procedure
11.4 Re-use of components

12 Vibration test

12.1 Principle
12.2 Procedure
12.3 Re-use of components

13 Cyclic endurance (impulse) test with vibration

13.1 Principle
13.2 Procedure
13.3 Re-use of components

14 Identification statement (Reference to this document)

Annex A (informative) Typical test data form

Page count: 19