ISO 12669:2017-10 (E)

Hydraulic fluid power - Method for determining the required cleanliness level (RCL) of a system

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle of the method 2

5 Selection of the RCL 3
5.1 General 3
5.2 Procedure 3
5.3 Weightings for working pressure and duty cycle 4
5.4 Weightings for component contaminant sensitivity 4
5.5 Weightings for system life expectancy 5
5.6 Weightings for total cost of component replacement 5
5.7 Weightings for cost of downtime 5
5.8 Weightings for risk 6

6 Identification statement (reference to this document) 6

Annex A (informative) Options for selecting the RCL for a hydraulic system 7

Annex B (informative) Example of a pro forma worksheet 10

Annex C (informative) Worked example of the determination of the RCL for a hydraulic system 12

Annex D (informative) Effect of extraneous contamination on cleanliness data 13

Bibliography 15