DIN 51112:2025-09 (E)

Properties of fluids in electric drives - Copper corrosion behaviour of lubricating oils and cooling fluids for use in electric drives

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 4

4 Principle 4

5 Apparatus 5

6 Reagents and aids 6

7 Procedure 6
7.1 Preparation of copper strips -- Sanding 6
7.2 Preparation of copper strips -- Polishing 6
7.3 Test procedure 7

8 Evaluation 8
8.1 Step 1 8
8.2 Step 2 8

9 Expression of results 9

10 Precision 9

11 Test report 10

Bibliography 11

Figures

Figure 1 -- Open test set-up 7