DIN ISO 14635-2:2010-01 (E)

Gears - FZG test procedures - Part 2: FZG step load test A10/16, 6R/120 for relative scuffin g load-carrying capacity of high EP oils (ISO 14635-2:2004)

Contents

Page

National Foreword 3

Introduction 5

1 Scope 6

2 Normative references 6

3 Terms and definitions 7

4 Failure criteria 7

5 Brief description of method 9
5.1 General principle 9
5.2 Precision 9

6 Test materials 9
6.1 Test gears 9
6.2 Cleaning fluid 9

7 Apparatus 9
7.1 FZG spur-gear test rig 9
7.2 Heating device 11
7.3 Revolution counter 11
7.4 Balance 11

8 Preparation of apparatus 13

9 Test procedure 13

10 Reporting of results 15

Annex A (informative) FZG A10-type gear tooth face changes (flank damages) 16

Annex B (informative) Typical FZG test report sheet 18

Annex C (informative) Checklist for maintenance of FZG gear test rig 19

Bibliography 24

National Annex NA (informative) Bibliography 4