# DIN ISO 14635-2:2025-04 (E)

## Gears - FZG test procedures - Part 2: FZG step load test A10/16,6R/120 for relative scuffing load-carrying capacity of high EP oils (ISO 14635-2:2023)

## Contents

Page


**National foreword** ... 3

**National Annex NA** (informative) **Bibliography** ... 5

**Foreword** ... 6

**Introduction** ... 7

**1 Scope** ... 8

**2 Normative references** ... 8

**3 Terms and definitions** ... 8

**4 Failure criteria** ... 9

**5 Brief description of method** ... 11
5.1 General principle ... 11
5.2 Precision ... 11

**6 Test materials** ... 11
6.1 Test gears ... 11
6.2 Cleaning fluid ... 11

**7 Apparatus** ... 11
7.1 FZG spur-gear test rig ... 11
7.2 Heating device ... 13
7.3 Revolution counter ... 13
7.4 Balance ... 13

**8 Preparation of apparatus** ... 15

**9 Test procedure** ... 15

**10 Reporting of results** ... 16

**Annex A** (informative) **FZG A10-type gear tooth face changes (flank damages)** ... 18

**Annex B** (informative) **Typical FZG test report sheet** ... 20

**Annex C** (informative) **Checklist for maintenance of FZG gear test rig** ... 21

**Bibliography** ... 26