



DIN EN 14865-2 :2010-06 (E)

Railway applications_ - Axlebox lubricating greases_ - Part_2: Method to test the mechanical stability to cover vehicle speeds up to 200_kmh (includes Amendment A1:2009)

Contents

Page

Foreword.....	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Testing principle	7
5 Reagents and materials	7
6 Apparatus	7
7 Sampling.....	7
8 Testing procedure.....	7
8.1 General.....	7
8.2 Preparation of the apparatus.....	8
8.3 Washing procedure	8
8.4 Assembly of the bearings	8
8.5 Volume and distribution of the test lubricating grease	8
8.6 Assembly of the box.....	8
8.7 Assembly of the machine	9
8.8 Calibrating the machine	9
8.9 Running the test.....	9
8.10 Dismantling the machine after testing	10
8.11 Disassembly of the bearings	10
9 Evaluation.....	10
9.1 Recording	10
9.2 Leakage.....	11
9.3 Penetration	11
10 Precision.....	11
10.1 General.....	11
10.2 Repeatability.....	11
10.3 Reproducibility.....	12
11 Test report	12
12 Other test rig	13
Annex A (normative) V2F test rig	14
Annex B (normative) Axlebox	15
Annex C (informative) Round Robin test	16
C.1 Result	16
C.2 Symbols in the Figures C.1 and C.2.....	16
C.3 Test data distribution	17
Annex D (informative) Precision calculation examples.....	19
D.1 Repeatability example	19
D.2 Reproducibility example	19

Annex ZA (informative)  Relationship between this European Standard and the Essential Requirements of EU Directive 2001/16/EC of the European Parliament and of the Council of 19 March 2001 on the interoperability of the trans-European conventional rail system, as modified by EU Directive 2004/50/EC of 29 April 2004 	20
Bibliography	22