



SLOVENSKI STANDARD
oSIST prEN 12081:2024

01-oktober-2024

Železniške naprave - Ohišja ležajev kolesnih dvojic - Maziva

Railway applications - Axleboxes - Lubricating greases

Bahnanwendungen - Radsatzlager - Schmierfette

Applications ferroviaires - Boîtes d'essieux - Graisses pour lubrification

Ta slovenski standard je istoveten z: prEN 12081

ICS:

45.040 Materiali in deli za železniško tehniko Materials and components for railway engineering

75.100 Maziva Lubricants, industrial oils and related products

oSIST prEN 12081:2024

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

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prEN 12081

September 2024

ICS

Will supersede EN 12081:2017

English Version

Railway applications - Axleboxes - Lubricating greases

Applications ferroviaires - Boîtes d'essieux - Graisses
pour lubrification

Bahnanwendungen - Radsatzlager - Schmierfette

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 256.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (prEN 12081:2024) has been prepared by Technical Committee CEN/TC 256 "Railway Applications", the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 12081:2017.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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prEN 12081:2024(E)**Introduction**

This document has been drawn up with the purpose to define the minimum requirements of greases used for the lubrication of rolling bearings in railway axleboxes. The purpose is to ensure a certain performance level in the interest of operating safety in international traffic. Performance implies a certain quality level of the vehicle running gear, which every railway undertaking may require, notably by imposing procedures in approval and quality assurance for the supply of axleboxes.

Lubricating greases intended for use in axlebox bearing application need to fulfil the requirements of this document, complying with Table A.1.

This document has been written so that it reflects the typical performance of, e.g. an NLGI grade 2 simple lithium soap grease, based on a mineral oil with a base oil viscosity of 100 mm²/s at 40 °C such as would be found in current use. However, this document does not restrict or limit grease evolution for more demanding applications of today and in the future, hence several parameters are left open for agreement.

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