Third edition
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Gears — Surface temper etch inspection after grinding, chemical method

Engrenages — Contrôle par attaque chimique des zones surchauffées lors de la rectification

Reference number
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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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Foreword

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The committee responsible for this document is ISO/TC 60, *Gears*, Subcommittee SC 2, *Gear capacity calculation.*

This third edition cancels and replaces the second edition (ISO 14104:2014), which has been technically revised. The changes of the corrected version have been incorporated as well as adoptions in the cleaning method of etching procedures shown in Tables 2 and 3.

Introduction

This document explains the materials and procedures necessary to determine, evaluate and describe localized overheating on ground surfaces. A system to describe and classify the indications produced during this inspection is included. However, specific acceptance or rejection criteria are not contained.

An industry-wide survey was conducted to establish common solutions in time that were acceptable to the greatest number of users. The safety and environmental precautions were included therein for those not familiar with storage, handling, use and disposal of concentrated acids, alkalis and solvents. These precautions, however, do not supersede the latest applicable requirements.