

Diesel engines — Procedure for checking the dynamic timing of diesel fuel injection equipment —

Part 3: Validation of timing measurement devices

ICS 43.060.40

National foreword

This British Standard reproduces verbatim ISO 13555-3:2004 and implements it as the UK national standard.

The UK participation in its preparation was entrusted to Technical Committee MCE/22, Engines for road vehicles, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, the ISO title page, pages ii to iv, pages 1 to 13 and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 1 December 2004

© BSI 1 December 2004

ISBN 0 580 44928 9

INTERNATIONAL STANDARD

ISO
13555-3

First edition
2004-07-15

Diesel engines — Procedure for checking the dynamic timing of diesel fuel injection equipment —

Part 3: Validation of timing measurement devices

*Moteurs diesels — Procédure pour contrôler le calage dynamique de
l'équipement d'injection de combustible diesel —*

Partie 3: Validation des dispositifs de mesurage du calage



Contents		Page
Foreword.....		iv
1	Scope.....	1
2	Normative references	1
3	Terms and definitions.....	1
4	Test rig	2
5	Validation procedure	8
6	Recording and evaluation of test results	10
7	Allowed deviation of the device signal	10
Annex A (informative) Description of the electronic system (typical)		11
Bibliography		13

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 13555-3 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 7, *Injection equipment and filters for use on road vehicles*.

ISO 13555 consists of the following parts, under the general title *Diesel engines — Procedure for checking the dynamic timing of diesel fuel injection equipment*:

- *Part 1: Preconditioning*
- *Part 2: Test method*
- *Part 3: Validation of timing measurement devices*