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| Autore                  | Galindo Eduardo (Automobile engineer)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Titolo                  | Chassis dynamometer testing : addressing the challenges of new global legislation / / Eduardo Galindo, David Blanco, Chris Brace, Ed Chappell, Richard Burke                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Descrizione fisica      | 1 online resource (1 PDF (xv, 232 pages)) : illustrations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Collana                 | Society of Automotive Engineers. Electronic publications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Disciplina              | 363.7387                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Soggetti                | Automobiles - Motors - Exhaust gas - Testing<br>Dynamometer - Testing<br>Motor vehicles - Chassis<br>TECHNOLOGY & ENGINEERING / Automotive<br>TECHNOLOGY & ENGINEERING / Environmental / Pollution Control<br>LAW / Transportation<br>Automotive technology and trades<br>Pollution control<br>Transport law                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Nota di bibliografia    | Includes bibliographical references and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Nota di contenuto       | Introduction -- Part 1. The vehicle. Chapter 1. Parameters of influence on a moving vehicle ; Chapter 2. Engine architecture performance and efficiency ; Chapter 3. Engine ancillary devices ; Chapter 4. The pneumatic tire and rolling resistance ; Chapter 5. Exhaust emissions and aftertreatment systems ; Summary of Part 1. The vehicle -- Part II. The test cell. Chapter 6. The chassis dynamometer test cell ; Chapter 7. The chassis dynamometer ; Chapter 8. The vehicle cooling blower ; Chapter 9. Chassis dynamometer HVACR ; Chapter 10. Air intake in chassis dynamometer test cells ; Chapter 11. Instrumentation and control ; Summary of Part II. The test cell -- Part III. Vehicle homologation process and tests. Chapter 12. Chassis dynamometer test standards ; Chapter 13. The need of a new emission regulation ; |

Chapter 14. The world light duty test procedure (GTR-15) ; Chapter 15. Real-driving emissions ; Summary of Part III. Vehicle homologation process and tests.

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Sommario/riassunto

Chassis dynamometer testing addresses the challenges of new global legislation (WLTP and RDE) sets out to gather knowledge from multiple groups of specialists to better understand the testing challenges associated with the vehicle chassis dynamometer test cells, and enable informed design and use of these facilities.

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