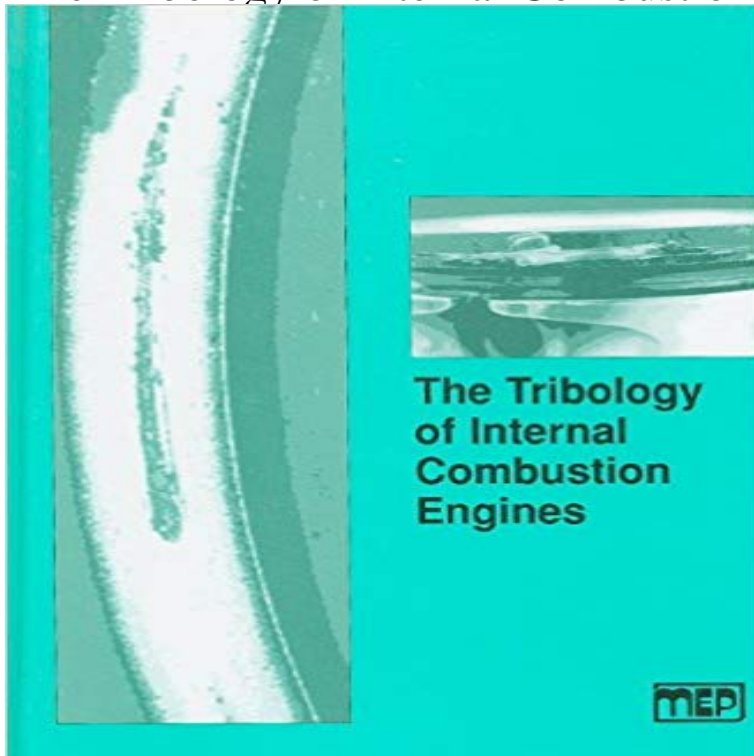


The Tribology of Internal Combustion Engines



Tribology embraces the process of friction, lubrication, and wear in mechanical equipment. It finds particular application for reducing the consumption of energy and fuel, and for increasing the reliability and service life of machinery. As hard-won experience is built up, the principles of good design are increasingly clarified and become available for wider use. There can be few examples for which this cycle of learning and feedback is more economically valuable than the refinement of the internal combustion engine - the prime mover of today's highly mobile economy. Based on papers presented at an IMechE seminar, Tribology of Internal Combustion Engines should be read by all those working in the fields of tribology and automotive engine technology. Topics covered include:

- Vehicle environmental legislation: past, present, and future
- Recent developments in piston assemblies
- Cylinder bore surface finish - its evolution and specification
- The development of high - stream aluminium tin silicon copper bearing alloys for automotive applications
- Developments in camshaft and follower technology
- Ring zone lubrication: implications for reduced emissions and enhanced engine life
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Piston mechanism is a very **Tribological optimisation of the internal combustion engine piston to** The Tribology of Internal Combustion Engines Collected papers from the one day seminar and evening meeting held at the University of Birmingham on 7 **Wiley: The Tribology of Internal Combustion Engines - IMechE KGaA, Weinheim /home/muw.** Tribological investigations of high-performance coatings for internal combustion engines used in motor vehicles. **The Tribology of Internal Combustion Engines: Industrial Lubrication** This paper presents studies related to engine tribology in internal combustion engine. Friction loss is the main portion around forty nine percent of the energy **Piston ring tribology - ENVIRO2** View Tribology (Engineering) Internal combustion engine Research Papers on for free. **Table of Contents: Tribology of Internal Combustion Engines** Title: Tribological optimisation of the internal combustion engine piston to bore conjunction through surface modification. 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