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KEY=ENGINES - MARIANA DECKER

SMALL GAS ENGINES

FUNDAMENTALS, SERVICE, TROUBLESHOOTING, REPAIR, APPLICATIONS

Goodheart-Willcox Pub The Small Gas Engines Workbook includes a variety of questions, in various formats, to help reinforce the student's understanding of the material presented in the textbook chapters. Step-by-step jobs in the Workbook guide the students through important engine service procedures. The Workbook also includes sample Equipment & Engine Training Council (EETC) technician certification tests for the four-stroke and two-stroke areas of certification. These tests help the students prepare for EETC certification.

SMALL GAS ENGINES

FUNDAMENTALS, SERVICE, TROUBLESHOOTING, REPAIR, APPLICATIONS

Goodheart-Wilcox Publisher The text element in a teaching package that includes a teacher's manual, a workbook, and videos. Provides information about engines with one, two, or three cylinders; two-cycle and four-cycle engines; and diesel and LPG engines. The course is designed to prepare readers to work in the field and/or obtain certification. The illustrations are excelle

NATURAL GAS ENGINES

FOR TRANSPORTATION AND POWER GENERATION

Springer This book covers the various advanced reciprocating combustion engine technologies that utilize natural gas and alternative fuels for transportation and power generation applications. It is divided into three major sections consisting of both fundamental and applied technologies to identify (but not limited to) clean, high-efficiency opportunities with natural gas fueling that have been developed through experimental protocols, numerical and high-performance computational simulations, and zero-dimensional, multizone combustion simulations. Particular emphasis is placed on statutes to monitor fine particulate emissions from tailpipe of

engines operating on natural gas and alternative fuels.

GAS-ENGINES AND PRODUCER-GAS PLANTS

A PRACTICE TREATISE SETTING FORTH THE PRINCIPLES OF GAS-ENGINES AND PRODUCER DESIGN, THE SELECTION AND INSTALLATION OF AN ENGINE, CONDITIONS OF PERFECT OPERATION, PRODUCER-GAS ENGINES AND THEIR POSSIBILITIES, THE CARE OF GAS-ENGINES AND PRODUCER-GAS PLANTS, WITH A CHAPTER ON VOLATILE HYDROCARBON AND OIL ENGINES

POUNDER'S MARINE DIESEL ENGINES AND GAS TURBINES

Butterworth-Heinemann Pounder’s Marine Diesel Engines and Gas Turbines, Tenth Edition, gives engineering cadets, marine engineers, ship operators and managers insights into currently available engines and auxiliary equipment and trends for the future. This new edition introduces new engine models that will be most commonly installed in ships over the next decade, as well as the latest legislation and pollutant emissions procedures. Since publication of the last edition in 2009, a number of emission control areas (ECAs) have been established by the International Maritime Organization (IMO) in which exhaust emissions are subject to even more stringent controls. In addition, there are now rules that affect new ships and their emission of CO2 measured as a product of cargo carried. Provides the latest emission control technologies, such as SCR and water scrubbers Contains complete updates of legislation and pollutant emission procedures Includes the latest emission control technologies and expands upon remote monitoring and control of engines

GAS ENGINE THEORY AND DESIGN

CATALOGUE OF GASOLINE ENGINES, BUILT BY THE OTTO GAS ENGINE WORKS

THE GAS ENGINE

STATIONARY-MARINE-AUTOMOBILE

ADVANCED DIRECT INJECTION COMBUSTION ENGINE TECHNOLOGIES AND DEVELOPMENT

GASOLINE AND GAS ENGINES

Elsevier Direct injection enables precise control of the fuel/air mixture so that engines can be tuned for improved power and fuel economy, but ongoing research challenges remain in improving the technology for commercial applications. As fuel prices escalate DI engines are expected to gain in popularity for automotive applications. This important book, in two volumes, reviews the science and technology of different types of DI combustion engines and their fuels. Volume 1 deals with direct injection gasoline and CNG engines, including history and essential

principles, approaches to improved fuel economy, design, optimisation, optical techniques and their applications. Reviews key technologies for enhancing direct injection (DI) gasoline engines Examines approaches to improved fuel economy and lower emissions Discusses DI compressed natural gas (CNG) engines and biofuels

A TEXT-BOOK ON GAS, OIL AND AIR ENGINES

OR, INTERNAL COMBUSTION MOTORS WITHOUT BOILER

HIGH-POWER GAS ENGINES

DIESEL AND GASOLINE ENGINES

GAS ENGINE CONSTRUCTION

A PRATICAL TREATISE DESCRIBING THE THEORY AND PRINCIPLES OF THE ACTION OF GAS ENGINES OF VARIOUS TYPES, AND THE DESIGN AND CONSTRUCTION OF A HALF HORSE POWER GAS ENGINE

GAS ENGINES

HEAT ; COMBUSTION AND FUELS ; PRINCIPLES OF THE GAS ENGINE ; AUTOMOBILE AND MARINE ENGINES ; STATIONARY GAS ENGINES ; GAS-ENGINE DETAILS ; GAS-ENGINE LUBRICATION AND BEARINGS

GAS-ENGINES AND PRODUCER-GAS PLANTS

DigiCat DigiCat Publishing presents to you this special edition of "Gas-Engines and Producer-Gas Plants" by Rodolphe Edgard Mathot. DigiCat Publishing considers every written word to be a legacy of humankind. Every DigiCat book has been carefully reproduced for republishing in a new modern format. The books are available in print, as well as ebooks. DigiCat hopes you will treat this work with the acknowledgment and passion it deserves as a classic of world literature.

GAS ENGINE

FARM MOTORS

STEAM AND GAS ENGINES, HYDRAULIC AND ELECTRIC MOTORS, WINDMILLS

LP-GAS ENGINE FUELS

ASTM International

FUNDAMENTALS OF HEAT ENGINES

RECIPROCATING AND GAS TURBINE INTERNAL COMBUSTION ENGINES

John Wiley & Sons Summarizes the analysis and design of today’s gas heat engine

cycles This book offers readers comprehensive coverage of heat engine cycles. From ideal (theoretical) cycles to practical cycles and real cycles, it gradually increases in degree of complexity so that newcomers can learn and advance at a logical pace, and so instructors can tailor their courses toward each class level. To facilitate the transition from one type of cycle to another, it offers readers additional material covering fundamental engineering science principles in mechanics, fluid mechanics, thermodynamics, and thermochemistry. Fundamentals of Heat Engines: Reciprocating and Gas Turbine Internal-Combustion Engines begins with a review of some fundamental principles of engineering science, before covering a wide range of topics on thermochemistry. It next discusses theoretical aspects of the reciprocating piston engine, starting with simple air-standard cycles, followed by theoretical cycles of forced induction engines, and ending with more realistic cycles that can be used to predict engine performance as a first approximation. Lastly, the book looks at gas turbines and covers cycles with gradually increasing complexity to end with realistic engine design-point and off-design calculations methods. Covers two main heat engines in one single reference Teaches heat engine fundamentals as well as advanced topics Includes comprehensive thermodynamic and thermochemistry data Offers customizable content to suit beginner or advanced undergraduate courses and entry-level postgraduate studies in automotive, mechanical, and aerospace degrees Provides representative problems at the end of most chapters, along with a detailed example of piston-engine design-point calculations Features case studies of design-point calculations of gas turbine engines in two chapters Fundamentals of Heat Engines can be adopted for mechanical, aerospace, and automotive engineering courses at different levels and will also benefit engineering professionals in those fields and beyond.

GAS ENGINES FOR THE FARM

A PRACTICAL HANDBOOK ON THE CARE AND MANAGEMENT OF GAS ENGINES

ADVANCES IN COMPRESSION IGNITION NATURAL GAS – DIESEL DUAL FUEL ENGINES

Frontiers Media SA

GAS TURBINE ENGINES FOR MODEL AIRCRAFT

Traplet Publications

THE HISTORY OF NORTH AMERICAN SMALL GAS TURBINE AIRCRAFT ENGINES

AIAA This landmark joint publication between the National Air and Space Museum and the American Institute of Aeronautics and Astronautics chronicles the evolution of the small gas turbine engine through its comprehensive study of a major aerospace industry. Drawing on in-depth interviews with pioneers, current project engineers, and company managers, engineering papers published by the

manufacturers, and the tremendous document and artifact collections at the National Air and Space Museum, the book captures and memorializes small engine development from its earliest stage. Leyes and Fleming leap back nearly 50 years for a first look at small gas turbine engine development and the seven major corporations that dared to produce, market, and distribute the products that contributed to major improvements and uses of a wide spectrum of aircraft. In non-technical language, the book illustrates the broad-reaching influence of small turbinesfrom commercial and executive aircraft to helicopters and missiles deployed in recent military engagements. Detailed corporate histories and photographs paint a clear historical picture of turbine development up to the present. See for yourself why The History of North American Small Gas Turbine Aircraft Engines is the most definitive reference book in its field. The publication of The History of North American Small Gas Turbine Aircraft Engines represents an important milestone for the National Air and Space Museum (NASM) and the American Institute of Aeronautics and Astronautics (AIAA). For the first time, there is an authoritative study of small gas turbine engines, arguably one of the most significant spheres of aeronautical technology in the second half o

TEXT-BOOK ON THE STEAM ENGINE WITH A SUPPLEMENT ON GAS ENGINES AND PART II, ON HEAT ENGINES

FARM GAS ENGINES AND TRACTORS

McGraw-Hill Companies Details farm tractor construction, design, operation, servicing, and maintenance.

DIESEL AND HIGH-COMPRESSION GAS ENGINES: FUNDAMENTALS

GASOLINE ENGINES FOR BOATS

HOW THE ENGINES ARE MADE AND OPERATED

BoD – Books on Demand Reprint of the original from 1915 dealing with all aspects of gasoline engines in boats.

TRACTOR AND GAS ENGINE REVIEW

DIESEL AND GASOLINE ENGINES

KNOCKING IN GASOLINE ENGINES

5TH INTERNATIONAL CONFERENCE, DECEMBER 12-13, 2017, BERLIN, GERMANY

Springer The book includes the papers presented at the conference discussing approaches to prevent or reliably control knocking and other irregular combustion events. The majority of today’s highly efficient gasoline engines utilize downsizing. High mean pressures produce increased knocking, which frequently results in a reduction in the compression ratio at high specific powers. Beyond this, the

phenomenon of pre-ignition has been linked to the rise in specific power in gasoline engines for many years. Charge-diluted concepts with high compression cause extreme knocking, potentially leading to catastrophic failure. The introduction of RDE legislation this year will further grow the requirements for combustion process development, as residual gas scavenging and enrichment to improve the knock limit will be legally restricted despite no relaxation of the need to reach the main center of heat release as early as possible. New solutions in thermodynamics and control engineering are urgently needed to further increase the efficiency of gasoline engines.

GAS ENGINE TROUBLES AND INSTALLATION

WITH NOTES ON DIESEL OIL ENGINES; A BOOK THAT SHOWS YOU HOW TO INSTALL, OPERATE AND MAKE IMMEDIATE REPAIRS, ALSO HOW TO KEEP A GAS ENGINE RUNNING

FUEL ECONOMY OF THE GASOLINE ENGINE

FUEL, LUBRICANT AND OTHER EFFECTS

Springer

COMPARATIVE FUEL VALUES OF GASOLINE AND DENATURED ALCOHOL IN INTERNAL-COMBUSTION ENGINES

HOW TO RUN AND INSTALL GASOLINE ENGINES

A HANDBOOK ON THE GAS ENGINE

COMPRISING A PRACTICAL TREATISE ON INTERNAL COMBUSTION ENGINES : FOR THE USE OF ENGINE BUILDERS, ENGINEERS, MECHANICAL DRAUGHTSMEN, ENGINEERING STUDENTS, USERS OF INTERNAL COMBUSTION ENGINES, AND OTHERS

NOX CONTROL IN NATURAL GAS ENGINES USING EXHAUST GAS RECIRCULATION \

THE MILLER GAS ENGINES

GAS, GASOLINE AND OIL-ENGINES

AN UP-TO-DATE BOOK ON THE SUBJECT OF EXPLOSIVE MOTOR POWER ...