

Engine Watchkeeping Book Free

This third edition presents the most thorough revision of Seamanship Techniques since first publication in 1987. Already recognised as one of the leading texts for cadet and serving seafarers of all ranks, this new edition covers all the seamanship knowledge required by students and experienced seafarers alike. Ideal for Merchant Navy Officers from Cadet rank to Master Mariner, the new edition incorporates the 2003 amendments to the Collision Avoidance Regulations and new material covering regulations and practice on cargo operations, survival systems, GMDSS requirements, watch keeping duties, rescue operations and pollution control, to name a few. Used by training establishments around the world this is the only reference to both shipboard practice and ship operations that seafarers will need. * Well-established, well-known, well-liked, well-trusted; the fully comprehensive seamanship reference Covers all the knowledge required to take readers from Cadet to Master rank * Includes the 2003 revision to the Collision Avoidance Rules and fully aligned with the IMO STCW (Standards of Training, Certification and Watchkeeping) requirements

Introduction to Marine Engineering explains the operation of all the ship's machinery, with emphasis on correct, safe operating procedures and practices at all times. Organized into 17 chapters, this book begins with an overall look at the ship. Subsequent chapters describe the various ship machineries, including diesel engines, steam turbines, boilers, feed systems, pumps, auxiliaries, deck machinery, hull equipment, shafting, propellers, steering gear, and electrical equipment. Other aspects of marine engineering, particularly, fuel oils, lubricating oils, refrigeration, air conditioning, ventilation, firefighting and safety, watchkeeping, and equipment operation, are also described. This book will be useful to anyone with an interest in ships' machinery or a professional involvement in the shipping business.

Following on from his bestselling *The Complete Day Skipper* and *The Complete Yachtmaster*, yachting legend Tom Cunliffe turns his attentions to the third strand of the RYA syllabus. With the same hugely popular, highly practical approach, *The Complete Ocean Skipper* covers everything a yachtsman needs to know when planning an offshore cruise or ocean passage. All aspects of planning and preparing for – as well as setting out on – a long-distance cruise are featured: - Preparation: types of suitable boat, choice of rig, engine power, safety equipment, communication systems, crew preparation - On passage: ocean weather systems, forecasting, deck routines, watchkeeping, self-steering, emergencies, heavy weather techniques - Ocean navigation: electronic as well as celestial A unique and definitive handbook, *The Complete Ocean Skipper* goes beyond the theory of the RYA syllabus to ensure that readers are equipped with the knowledge of both what to do and how to go about it, in whatever circumstances. A veteran offshore yachtsman as well as an RYA examiner, Tom Cunliffe brings his experience to bear and packs this must-have guide with invaluable hands-on advice for offshore and coastal sailors alike. With clear, helpful colour photographs and diagrams throughout, this is the essential book for anyone planning for or dreaming about sailing further afield.

Centralized and Automatic Controls in Ships

Annex V

Pollution Prevention Equipment Under MARPOL.

Guidelines for the Implementation of MARPOL

and Gas Turbines

The Maritime Engineering Reference Book is a one-stop source for engineers involved in marine engineering and naval architecture. In this essential reference, Anthony F. Molland has brought together the work of a number of the world's leading writers in the field to create an inclusive volume for a wide audience of marine engineers, naval architects and those involved in marine operations, insurance and other related fields. Coverage ranges from the basics to more advanced topics in ship design, construction and operation. All the key areas are covered, including ship flotation and stability, ship structures, propulsion, seakeeping and maneuvering. The marine environment and maritime safety are explored as well as new technologies, such as computer aided ship design and remotely operated vehicles (ROVs). Facts, figures and data from world-leading experts makes this an invaluable ready-reference for those involved in the field of maritime engineering. Professor A.F. Molland, BSc, MSc, PhD, CEng, FRINA. is Emeritus Professor of Ship Design at the University of Southampton, UK. He has lectured ship design and operation for many years. He has carried out extensive research and published widely on ship design and various aspects of ship hydrodynamics. * A comprehensive overview from best-selling authors including Bryan Barrass, Rawson and Tupper, and David Eyres * Covers basic and advanced material on marine engineering and Naval Architecture topics * Have key facts, figures and data to hand in one complete reference book

This is a complete handbook for merchant seamen, covering every phase of good seamanship and all navigation necessary to prepare for the third mate's license. In addition, of course, it is a first-rate reference work. "For Seamen By Seamen," this classic manual was first published in 1938 and has gone through a number of revisions. New for the 2001 reprint is the addition of an extensive glossary of nautical terms.

Marine Auxiliary MachineryElsevier

A Practical Guide

Crew Size and Maritime Safety

International Aeronautical and Maritime Search and Rescue Manual

English Mechanics and the World of Science

Marine Boilers

Practical Ship Design

www.owaysonline.com Bridge Watchkeeping - Solved Past Papers - Theory - 2nd Mates

This publication provides reference to the IMO resolutions on shipboard pollution prevention equipment that are required under MARPOL. It is a revised and updated version of the 1997 edition and contains the live resolutions on pollution prevention equipment that are currently applicable to new installations onboard ships.--Publisher's description.

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

A Comprehensive Training and Reference Manual

A Handbook for the Royal Navy and Mercantile Marine, of the Engines on Board Ship

Pounder's Marine Diesel Engines and Gas Turbines

Introduction to Marine Engineering

American Merchant Seaman's Manual

Marine Electrical Technology, 4/e H/C

The ever-growing demand for commercial activities at sea has meant that ships are rapidly developing and that the rules governing their construction and operation are changing. Practical Ship Design records these changes, their outcomes and the reasoning behind them. It deals with every aspect of ship design and handles a wide range of both merchant ships and naval ships with authority. It provides coverage of cargo ships and passenger ships, tugs, dredgers and other service craft. It also includes concept design, detail design, structural design, hydrodynamics design, the effect of regulations, the preparation of specifications and matters of costs and economics. Drawing on the author's extensive practical experience, Practical Ship Design is likely to interest everybody involved in the design, construction, repair and operation of ships. Students and the most experienced professionals will all benefit from the book's vast store of design data and its conclusions and recommendations.

This study guide has been produced to complement the training text, Marine Fire Prevention, Fire-fighting, and Fire Safety, published by the U.S. Department of Transportation, Maritime Administration. Although the basic principles in marine fire-fighting have not changed, this study guide offers up-to-date information for a better understanding of the principles and the methodologies involved. In addition, this study guide includes all the contents required for a U.S. Coast Guard-approved marine fire-fighting course, as well as meets all the competencies for the International Convention for the Standards of Training, Certification, and Watchkeeping (STCW), per the latest 2010 Manila amendments. Moreover, this study utilises current-day examples, equipment, and techniques, breaking down the text into twelve easy-to-follow lessons: basic shipboard fire-fighting organisation and safety, causes of fires and methods of prevention, theories of fire, combating fire, extinguishing agents, extinguishing appliances, fire detection systems, fixed fire extinguishing systems, safety and fire-fighting equipment, and respirators and the self-contained breathing apparatus. These lessons will provide the students the knowledge to not only successfully fight shipboard fires, but prevent such fires and in doing so, keep his/her ship and all that ply the seas onboard safe.

A comprehensive training and reference manual used as a textbook in maritime institutions. Addresses the prevention, control, and extinguishing of fires aboard commercial vessels and on offshore drilling rigs. Includes chapters on emergency procedures and equipment as well as case studies of past shipboard fires. Generously illustrated with drawings, photos, diagrams, tables, and checklists. Recommended reading for all maritime personnel and kept both in shipboard reference libraries and in the offices of maritime executives.

Marine Fire Prevention, Firefighting and Fire Safety

Pounder's Marine Diesel Engines

Shipbuilding & Marine Engineering International

ISM Code and Revised Guidelines on the Implementation of the ISM Code by Administrations

International Safety Management Code

For Seamen by Seamen

Exhaustive Coverage of the Following Topics 1. Watch keeping 2. Engine running problems 3. Camshaft-less electronically controlled intelligent engines 4. Indicator card

analysis 5. Engine performance and testing 6. Latest developments 7. Engine overhauls 8. Engine emission 9. Starting and reversing 10. Manoeuvring 11. Bridge control 12. VIT and Super-VIT 13. Faults, defects and problems of all engine components.

This book covers the general engineering knowledge required by candidates for the Department of Transport's Certificates of Competency in Marine Engineering, Class One and Class Two. The text is updated throughout in this third edition, and new chapters have been added on production of fresh water and on noise and vibration. Reference is also provided to up-to-date papers and official publications on specialized topics. These updates ensure that this little volume will continue to be a useful pre-examination and revision text. - Marine Engineers Review, January 1992

Since its first appearance in 1950, Pounder's Marine Diesel Engines has served seagoing engineers, students of the Certificates of Competency examinations and the marine engineering industry throughout the world. Each new edition has noted the changes in engine design and the influence of new technology and economic needs on the marine diesel engine. This eighth edition retains the directness of approach and attention to essential detail that characterized its predecessors. There are new chapters on monitoring control systems and governor systems, gas turbines and safety aspects of engine operation. Important developments such as the latest diesel-electric LNG carriers that will soon be in operation. After experience as a seagoing engineer with the British India Steam Navigation Company, Doug Woodyard held editorial positions with the Institution of Mechanical Engineers and the Institute of Marine Engineers. He subsequently edited The Motor Ship journal for eight years before becoming a freelance editor specializing in shipping, shipbuilding and marine engineering. He is currently technical editor of Seatrade, a contributing editor to Speed at Sea, Shipping World and Shipbuilder and a technical press consultant to Rolls-Royce Commercial Marine. * Designed to reflect the recent changes to SQA/Marine and Coastguard Agency Certificate of Competency exams. Careful organisation of the new edition enables readers to access the information they require * Brand new chapters focus on monitoring control systems and governor systems, gas turbines and safety aspects of engine operation * High quality, clearly labelled illustrations and figures
Catalogue of British Official Publications Not Published by HMSO.

Marine Auxiliary Machinery

Marine Diesel Engines

A Guide to Ship Design, Construction and Operation

The Shipbuilder and Marine Engine-builder

The Maritime Engineering Reference Book

Marine Boilers, Third Edition provides practical information about boilers and other relevant equipment used at sea on steam and motor vessels. The coverage of the book includes auxiliary boilers, water tube boilers, and boiler mountings. The text also covers stresses in boiler shells; combustion of fuel in boilers; and boiler operation. The book will be of great use to marine engineers, mechanics, and technicians who primarily deals with marine-related machineries.

The Book has been thoroughly revised, keeping in mind the rapid technological advances in this mammoth industry and also the feedback received from various quarters. Relevant extracts from current SOLAS, IACS, Lloyd's Register, DNV and ABS Rules, have been included with permission. However, these must be used only for academic purposes. Relevant current documents onboard ships must be referred to, for the purpose of complying with Classification Societies' and other Statutory Requirements.

Includes index.

The Complete Chief Officer

The Complete Ocean Skipper

Marine Engineering

For Shipboard & Maritime Operations

Study Guide for Marine Fire Prevention, Firefighting, & Fire Safety

www.owaysonline.com Bridge Watchkeeping - Solved Past Papers - Theory - 2nd Mates

This book assesses the state of practice and use of ship-bridge simulators in the professional development and licensing of deck officers and marine pilots. It focuses on full-mission computer-based simulators and manned models. It analyzes their use in instruction, evaluation and licensing and gives information and practical guidance on the establishment of training and licensing program standards, and on simulator and simulation validation.

U.S. oceangoing vessels have half the crew size of 30 years ago, thanks to automation and mechanization in the shipping industry. But are reductions in crew size increasing the risk of vessel accidents? Crew Size and Maritime Safety explores how we can minimize risk without hindering technology, presenting the most thorough analysis available of key issues such as domestic versus foreign manning practices and safety performance; effect of crew size on crew fatigue, level of training, and ship maintenance; and modernizing the U.S. Coast Guard approach to crew size regulation. The volume features a trend analysis of 20 years of maritime safety data, analyzing U.S. and international

laws and treaties concerning ship manning and making recommendations for improvements. In addition, it includes a model for setting optimum crew levels, based on systems engineering and tested with actual ships.

Centralized and Automatic Controls in Ships provide a non-mathematical basic introduction to the subject of control engineering applied in the marine field. This book is composed of 20 chapters that cover the basic principles of the equipment in ships. The opening chapters deal with ship components, construction, and commissioning routine for certain automated plant. The next chapters consider the basic principles of automatic control and controllers. These topics are followed by discussions on logic units and data processing equipment, other control elements, steam turbines, and diesel engines. Other chapters illustrate the application of control techniques to the major areas of the ship's machinery. The final chapters examine ship and ship's control system commissioning and maintenance. This book is an invaluable source for marine engineers and marine engineering students.

IAMSAR Manual

Master and Chief Mate

Using Simulation Technology to Train and License Mariners

General Engineering Knowledge

Proceedings

Engine-room Practice :

The Marine Environment Protection Committee (MEPC) of IMO, at its sixty-second session in July 2011, adopted the Revised MARPOL Annex V, concerning Regulations for the prevention of pollution by garbage from ships, which enters into force on 1 January 2013. The associated guidelines which assist States and industry in the implementation of MARPOL Annex V have been reviewed and updated and two Guidelines were adopted in March 2012 at MEPC's sixty-third session. The 2012 edition of this publication contains: the 2012 Guidelines for the implementation of MARPOL Annex V (resolution MEPC.219(63)); the 2012 Guidelines for the development of garbage management plans (resolution MEPC.220(63)); and the Revised MARPOL Annex V (resolution MEPC.201(62)).

Written at a level suitable for senior students of marine engineering and entry-level marine engineers, this book covers main propulsion machineries, auxiliaries, and all ship-board systems and equipments that come under the purview of a marine engineer. The chapters progress from working principles to construction and design features to operation and maintenance. A separate chapter covers inherent hazards in a running engine and the built-in safety features and fail-safe devices designed to combat them. Copious line drawings and composite diagrams demonstrate the concepts and intricacies of design. A special feature is the section on watch-keeping.

Marine Auxiliary Machinery, Seventh Edition is a 16-chapter text that covers the significant advances in marine auxiliary machinery relevant to the certification of competency examinations. The introductory chapters deal with the basic components of marine machineries, such as propulsion system, heat exchanger, valves, and pipelines. The succeeding chapters describe the pumps and pumping system, specifically the tanker and gas carrier cargo pumps. Considerable chapters are devoted to the operation of machinery's major components, including the propeller shaft, steering gear, auxiliary power, bow thrusters, and stabilizers. Other chapters consider the refrigeration, heating, ventilation, and air conditioning systems. The final chapters tackle the safety system of marine auxiliary machinery, particularly the fire protection, safety, instrumentation, and control systems. This book will prove useful to marine and mechanical engineers.

The United States Army and Navy Journal and Gazette of the Regular and Volunteer Forces

Simulated Voyages

Bridge Watchkeeping

Deep-water Voyaging, Navigation and Yacht Management

The Marine Engineer

The Woodenboat