

Mirrlees Blackstone Engines

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

Pounder's Marine Diesel Engines, Sixth Edition focuses on developments in diesel engines. The book first discusses theory and general principles. Theoretical heat cycle, practical cycles, thermal and mechanical efficiency, working cycles, fuel consumption, vibration, and horsepower are considered. The text takes a look at engine selection and performance, including direct and indirect drive, maximum rating, exhaust temperatures, derating, mean effective pressures, fuel coefficient, propeller performance, and power build-up. The book also examines pressure charging. Matching of turboblowers, blower surge, turbocharger types, constant pressure method, impulse turbocharging method, and scavenging are discussed. The text describes fuel injection, Sulzer, MAN, and Burmeister and Wain engines. The selection also considers Mitsubishi, GMT, and Doxford engines. The text then focuses on fuels and fuel chemistry; operation, monitoring, and maintenance; significant operating problems; and engine installation. Engine seatings and alignment, reaction measurements, crankcase explosions, main engine crankshaft defects, bearings, fatigue, and overhauling and maintenance are discussed. The book is a good source of information for readers wanting to study diesel engines.

Who's who in India

Proceedings of a Conference Held in Liège, Belgium, 24-27 September 1990

Diesel & Gas Turbine Catalog

Approximate Methods in Engineering Design

Post-Innovation Performance

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

Pounder's Marine Diesel EnginesElsevier

Shipbuilding & Marine Engineering International

Power

British Rail Class 60 Locomotives

Modern Power Systems

A Guide to Ship Design, Construction and Operation

The story of the North Boats from the First World War to the present day.

Approximate Methods in Engineering Design

Ocean Industry

A Useful Guide to the Shipping Lines and Routes

The Motor Ship

The Electrical Review

The Foundry Trade Journal

Gives a pictorial account of Class 43 locomotives.

Includes the annual report of the council and all other reports and papers presented at the general meeting.

Weekly Shipping Journal

Electrical Times

Pounder's Marine Diesel Engines and Gas Turbines

Gas Journal

Technological Development and Competition

During the mid-1980s, in a drive for greater efficiency, British Rail required another heavy freight locomotive, some of the earlier Type 5 freight locomotives being outdated and no longer regarded as suitable for heavy freight duties. The new Class 60 locomotive was to be constructed using lessons learned from the Classes 56 and 58. Six organisations were invited to tender but only three did so. The contract was awarded to Brush Electrical Machines (today, Brush Traction, part of the Wabtec Rail Group) for a powerful 60mph Type 5 Co-Co design, which resulted in an order being placed for one hundred Class 60 diesel-electric locomotives. Using original research from the National Archives, British Rail Class 60 Locomotives is a high illustrated guide that explores the commissioning of the Class 60s and their construction, testing and running. It undertakes an in-depth technical appraisal of the class and details names, liveries, modifications and preservation and includes the 'Super 60' refurbishment programme and acquisition of ten Class 60s for Colas Rail UK, bringing the timeline to the present day. Of interest to all diesel loco enthusiasts and railway modellers, this book is lavishly illustrated with 280 colour and black & white photographs, many previously unpublished.

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. Now in its ninth edition, Pounder's retains the directness of approach and attention to essential detail that characterized its predecessors. There are new chapters on monitoring control and HiMSEN engines as well as information on developments in electronic-controlled fuel injection. It is fully updated to cover new legislation including that on emissions and provides details on enhancing overall efficiency and cutting CO2 emissions. 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 Marine Propulsion and Auxiliary Machinery, a contributing editor to Speed at Sea, Shipping World and Shipbuilder and a technical press consultant to Rolls-Royce Commercial Marine. * Helps engineers to understand the latest changes to marine diesel engines * Careful organisation of the new edition enables readers to access the information they require * Brand new chapters focus on monitoring control systems and HiMSEN engines. * Over 270 high quality, clearly labelled illustrations and figures to aid understanding and help engineers quickly identify what they need to know.

The Chartered Mechanical Engineer

Offshore Ferry Services of England and Scotland

Managing Global Offshoring Strategies

World Fishing

Class 43 Locomotives

Themes reflect the work carried out within the framework of COST-501 and of COST-505 the latter being concerned with materials for steam turbines and the first results of the concerted action COST-501/II 'High temperature materials for power engineering' initiated in 1988. The book targets bachelor, master and MBA students taking courses on global strategy. It can be used in conjunction with a set of readings and articles on global strategy issues.

Gas & Oil Power

Journal of the Institution of Gas Engineers

Watt Committee Report Number 6

CME.

Shipping World & Shipbuilder

British Rail Main Line Locomotives Specification Guide identifies the major detail differences and livery variations that have appeared on all British Rail, ex-British Rail and privatized railway diesel and electric main line classes from 14 to 92. The book provides a record of the main specifications of each class of locomotive, and details of variations, including: numbers, liveries, headcodes, headlights, wheel arrangements

and bogies, brakes, names and - where appropriate - details of refurbishment programmes. Diesel locomotives are a relative newcomer to the railway enthusiast and modelling scenes, and this book brings together information on detail changes in a coherent reference form for the first time, illustrated with photographs of major changes. A useful resource for modellers and those with an interest in the differences that have occurred to the British Rail fleet. Superbly illustrated with around 300 colour photographs.

A complete guide to the investor's in the power sector.

The Mining Magazine

Marine Engineers Review

The Maritime Engineering Reference Book

Evaluation of Energy Use

A Case Approach

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

The United Kingdom comprises thousands of islands and for many centuries transport between the main islands and the outlying communities has required reliable shipping routes, both long and short-haul, for commerce, trade and travel. Ferries have become an essential means of transport for many outlying populations and down the years routes have continually changed and been adapted to meet the requirements of the period. This remains so today, with established ferry routes in a constant state of flux, with the dire economic circumstances of the present imposing their own financial restraints upon routes and timetables. This volume presents a snapshot of the major Offshore Ferry routes as they currently stand, with details of the routes, the ships and the amenities; added to which are the outline histories of companies and links. This volume encapsulates all these strands and should prove a useful aide to all travellers.

Gas Engineering and Management

Journal

Steamers and Ferries of the Northern Isles

Pounder's Marine Diesel Engines