

MODERN DIESEL TECHNOLOGY

Heavy Equipment Systems

2nd Edition

Robert Huzij | Angelo Spano | Sean Bennett

Written by veteran technicians in a straightforward style, *Modern Diesel Technology: Heavy Equipment Systems*, 2nd Edition combines manufacturer-based and universal information into a single reliable resource. The book's unique focus on off-highway mobile equipment systems delivers service and repair essentials for heavy equipment, agricultural equipment, and powered lift truck technology. Detailing everything from safety to best practices, chapter coverage addresses four key areas: hydraulics, heavy duty brakes, and drivetrains, as well as steering, suspension, and track systems. The 2nd Edition of *Modern Diesel Technology: Heavy Equipment Systems* also includes the latest updates in computer-controlled hydraulics, GPS, and electronic controls for other systems to help you master the ever-evolving responsibilities of specialty technicians.

Features of this book:

- **Enlightening Visuals:** Detailed illustrations and photographs throughout the book clarify important concepts.
- **Reader-Friendly Style:** Straightforward, concise writing from authors with firsthand industry expertise makes the information easy to grasp and highly relatable.
- **Practical Approach:** Focusing on performance-based learning outcomes—turning abstract theories into real-world, hands-on tasks—adds depth and context to the readings.
- **Comprehensive Resource:** This go-to guide for specialty technicians complements any manufacturer's manual, and addresses the full range of mobile heavy equipment manufactured and marketed in North America.
- **More Electronic Controls:** Updated chapters dig even deeper into electronic controls, especially as they apply to today's mobile hydraulics systems.
- **Extra Safety:** *Modern Diesel Technology: Heavy Equipment Systems*, 2nd Edition protects you with expanded content on safety, including ROPs and FOPs, and high voltage safety precautions.

About the Authors:

Robert Huzij is Coordinator of the Heavy Equipment Technician and Apprenticeship Programs at Cambrian College in Sudbury, Ontario. He serves on Ontario's Heavy Equipment Advisory Board and Motive Power

Provincial Advisory Committees; he chairs the Skills Ontario Heavy Equipment Technical Skills Competition; and he has developed curricula for technician training, documentation, and testing. Prior to teaching, Mr. Huzij worked in private industry for more than 30 years overseeing apprentices and running an equipment remanufacturing shop.

Angelo Spano is Coordinator of the Truck and Coach Technician Apprenticeship Program at Centennial College in Toronto. His deep background in heavy equipment drivetrain, steering, suspension, and track systems includes credentials as a Program Certified Heavy Equipment Technician and dual certified adult educator. Mr. Spano is also a member of the Ontario Heavy Equipment Technical Skills Competition and Skills Canada National Technical Committee for Heavy Equipment and Truck competitions.

Sean Bennett is a former Program Coordinator for the Truck and Diesel Department at Centennial College and corporate trainer for Mack Trucks. During his 20-year tenure at the college, he authored new curricula, helped overhaul existing course offerings, and chaired a wide range of curriculum development committees for the Province of Ontario. Mr. Bennett has written more than 30 books dealing with diesel, truck, heavy equipment, and automotive technology, and currently devotes his career to technical writing and speaking engagements. He is an active member of the American Trucking Association's Technology and Maintenance Council, Association of Diesel Specialists, Society of Automotive Engineers, and North American Council of Automotive Teachers.

Don't miss these other exciting titles from the Modern Diesel Technology Series:

Electricity & Electronics, 2nd Edition / Joseph A. Bell / Order # 978-1-133-94980-0
Heating, Ventilation, Air Conditioning & Refrigeration, 2nd Edition / John Dixon / Order # 978-1-133-71625-9
Brakes, Suspension & Steering Systems / Sean Bennett / Order # 978-1-4180-1372-1
Electronic Diesel Engine Diagnosis / Sean Bennett / Order # 978-1-4018-7079-9
Diesel Engines / Sean Bennett / Order # 978-1-4018-9809-0
Light Duty Diesels / Sean Bennett / Order # 978-1-4354-8047-6
Preventive Maintenance and Inspection / John Dixon / Order # 978-1-4180-5391-8
Mobile Equipment Hydraulics / Ben Watson / Order # 978-1-4180-8043-3

Visit www.autoed.com or www.cengage.com/delmar for your lifelong learning solutions



To learn more about Delmar, visit www.cengage.com/delmar
To learn more about Cengage Learning, visit www.cengage.com
Purchase any of our products at your local bookstore or at our preferred online store www.cengagebrain.com

ISBN-13: 978-1-133-69336-9
ISBN-10: 1-133-69336-9



9 781133 693369

Huzij | Spano | Bennett

MODERN DIESEL TECHNOLOGY Heavy Equipment Systems

2nd Edition

MODERN DIESEL TECHNOLOGY

Heavy Equipment Systems

2nd Edition



Robert Huzij
Angelo Spano
Sean Bennett



We Support
Program Accreditation
Through



Alibaba.com offers 19,885 heavy equipment systems products. About 1% of these are parking equipment, 1% are water treatment, and 1% are water filters. A wide variety of heavy equipment systems options are available to you, such as ce, cb, and rohs. < Sponsored Listing Tags: 5 Barrel Beer Brewing Kit | Equipment Gas Heating Brewing | Beer Brewing System For Sale. water recycling equipment three brushes heavy duty bus car wash equipment systems. US \$33000.0-33000.0 / Set. 1 Set (Min. Heavy construction equipment are used for various purposes in large projects. Selection of different types of heavy equipment depends on the size of the work and economy of the project. These make construction process easier and faster. Types of Heavy Construction Equipment. Different types of heavy equipment commonly used in the construction are as follows: Excavators. Backhoe. The Heavy Equipment Transporter (HET) is a military logistics vehicle used to transport, deploy, and evacuate tanks, armored personnel carriers, self-propelled artillery, armored bulldozers and other heavy vehicles. The primary purpose and use of the HET system is for delivery of the M1 Abrams, recovery of non mission capable armored vehicles, and cost efficiency. An Abrams driving on or off road for 300+ miles creates a mechanical and personnel fatigue issue. The mobility of the HET system alleviates