

# Manitowoc

## SERVICE MANUAL

This manual has been prepared for and is considered part of -

**4100W**

Crane Model No.

**41132**

Crane Serial No.

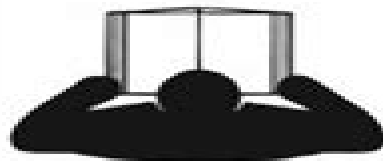
This manual is divided into the following sections:

SECTION 1	General
SECTION 2	Attachment
SECTION 3	Maintenance
SECTION 4	Lubrication
SECTION 5	Capacities
SECTION 6	Operating Controls
SECTION 7	Adjustments
SECTION 8	Troubleshooting

### NOTICE

The crane serial number is the only method your distributor or the factory has of providing correct parts and answers to service problems.

The crane serial number is located on a decal attached to the operator's cab. **Always furnish crane serial number** when ordering parts or communicating service problems with your distributor or the factory.



## WARNING

### To prevent death or serious injury:

- Avoid unsafe operation and maintenance.
- This crane must be operated and maintained by trained and experienced personnel. Manitowoc Cranes is not responsible for qualifying these personnel.
- Do not operate or work on this crane without first reading and understanding Operator's Manual and Capacity Charts supplied with crane.
- Store Operator's Manual supplied with crane in holder in operator's cab.
- Attach laminated Capacity Charts supplied with crane to chain in operator's cab.
- If Operator's Manual or Capacity Charts are missing from cab, contact your distributor for new ones.

# Manitowoc Crane Service Manual

**Siddappa N.Byrareddy**



## **Manitowoc Crane Service Manual:**

*Construction Equipment Management for Engineers, Estimators, and Owners* Douglas D. Gransberg, Jorge A. Rueda-Benavides, 2020-05-31 Construction Equipment Management for Engineers Estimators and Construction Managers Second Edition has been extensively rewritten to not only bring it up to date with the state of current practice but also to serve as a textbook for university courses in construction engineering and management The authors advanced the previous edition s practical hands on approach and added material on the future of construction equipment fleet management which they believe will require a new technology based skillset to maximize the cost effectiveness of construction equipment operations As such the book covers the latest construction equipment technologies Features Examines emergent technologies in the field including automated machine guidance systems intelligent compaction operations and equipment related civil integrated management tools Provides information on how to reduce an equipment fleet s environmental impact decreasing greenhouse gas emissions through enhanced equipment management and optimization practices Discusses estimating equipment ownership operating costs economic life and optimal replacement timing Demonstrates how to maximize profit by determining the optimum equipment mix and estimating productivity Illustrates the use of production based linear scheduling and stochastic simulations to maximize project cost and schedule certainty This new edition will serve as an essential textbook for students as well as a valuable reference for a wide range of professionals within the construction architecture and engineering industries , *Catalogue of Publications Issued by the Government of the United States* United States. Superintendent of Documents, 1983-10 February issue includes Appendix entitled Directory of United States Government periodicals and subscription publications September issue includes List of depository libraries June and December issues include semiannual index *Moody's OTC Industrial Manual* ,1992 Companies traded over the counter or on regional conferences **Construction Methods and Equipment** ,1964 *Monthly Catalogue, United States Public Documents* ,1983 Construction Methods ,1964 *California Builder & Engineer* ,2003 **Forbes** ,1999 **Materials Handling and Distribution** ,1929 **The Northern Logger and Timber Processor** ,1970 **Engineering News-record** ,1926 **Moody's Manual of Investments: American and Foreign** ,1915 *Hydro-Environmental Analysis* James L. Martin, 2013-12-04 Focusing on fundamental principles Hydro Environmental Analysis Freshwater Environments presents in depth information about freshwater environments and how they are influenced by regulation It provides a holistic approach exploring the factors that impact water quality and quantity and the regulations policy and management methods that are necessary to maintain this vital resource It offers a historical viewpoint as well as an overview and foundation of the physical chemical and biological characteristics affecting the management of freshwater environments The book concentrates on broad and general concepts providing an interdisciplinary foundation The author covers the methods of measurement and classification chemical physical and biological characteristics indicators of ecological health

and management and restoration He also considers common indicators of environmental health characteristics and operations of regulatory control structures applicable laws and regulations and restoration methods The text delves into rivers and streams in the first half and lakes and reservoirs in the second half Each section centers on the characteristics of those systems and methods of classification and then moves on to discuss the physical chemical and biological characteristics of each In the section on lakes and reservoirs it examines the characteristics and operations of regulatory structures and presents the methods commonly used to assess the environmental health or integrity of these water bodies It also introduces considerations for restoration and presents two unique aquatic environments wetlands and reservoir tailwaters Written from an engineering perspective the book is an ideal introduction to the aquatic and limnological sciences for students of environmental science as well as students of environmental engineering It also serves as a reference for engineers and scientists involved in the management regulation or restoration of freshwater environments **Safety, Reliability, Risk**

**and Life-Cycle Performance of Structures and Infrastructures** George Deodatis, Bruce R. Ellingwood, Dan M. Frangopol, 2014-02-10 Safety Reliability Risk and Life Cycle Performance of Structures and Infrastructures contains the plenary lectures and papers presented at the 11th International Conference on STRUCTURAL SAFETY AND RELIABILITY ICOSAR2013 New York NY USA 16-20 June 2013 This set of a book of abstracts and searchable full paper USB device is must have literature for researchers and practitioners involved with safety reliability risk and life cycle performance of structures and infrastructures **Moody's Manual of Investments** John Sherman Porter, 1915 *Constructioneer*, 1959

*The Legislative Manual of the State of Wisconsin*, 1917 *Rocky Mountain Construction*, 1960 *Highway & Heavy Construction*, 1979

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