

**444J**

(Serial No. - 611274)

**544J**

(Serial No. - 611799)

**and 624J**

(Serial No. - 611796)

# Loader Operation and Test

## TECHNICAL MANUAL

**444J (S.N. —611274), 544J (S.N. —611799), and 624J (S.N. —611796)  
Loader Operation and Test**

TM2135 23JUL10 (ENGLISH)

For complete service information also see:

444J (S.N. —611274), 544J (S.N. —611799), and 624J (S.N. —611796) Loader Repair Manual .....	OMT197190
POWERTECH® 4.5L & 6.8L Diesel Engines Base Engine .....	CTM104
POWERTECH® 4.5L and 6.8L Diesel Engines Level 11 Electronic Fuel System with Denso HPCR .....	CTM220
POWERTECH® 4.5L and 6.8L Diesel Engines Level 12 Electronic Fuel System with DE10 Pump.....	CTM331
Alternators and Starting Motors .....	CTM77
TEAMMATE™ III 1000, 1200, and 1400 Series Inboard Planetary Axles.....	CTM150
120 Series Hydraulic Cylinders .....	TM-H120A
125 Series Hydraulic Cylinders .....	TM-H125A
185 Series Hydraulic Cylinders .....	TM-H185A
Super Caddy Oil Cleanup Procedure.....	CTM310

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*Original Instructions. All information, illustrations and specifications in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.*

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## tm2135 - 444J, 544J, 624J Loader Operation and Tests

### Foreword

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### Foreword

This manual is written for an experienced technician. Essential tools required in performing certain service work are identified in this manual and are recommended for use.

Live with safety: Read the safety messages in the introduction of this manual and the cautions presented throughout the text of the manual.

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**CAUTION:**

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This is the safety-alert symbol. When you see this symbol on the machine or in this manual, be alert to the potential for personal injury.

Technical manuals are divided in two parts: repair and operation and tests. Repair sections tell how to repair the components. Operation and tests sections help you identify the majority of routine failures quickly.

Information is organized in groups for the various components requiring service instruction. At the beginning of each group are summary listings of all applicable essential tools, service equipment and tools, other materials needed to do the job, service parts kits, specifications, wear tolerances, and torque values.

Technical Manuals are concise guides for specific machines. They are on-the-job guides containing only the vital information needed for diagnosis, analysis, testing, and repair.

Fundamental service information is available from other sources covering basic theory of operation, fundamentals of troubleshooting, general maintenance, and basic type of failures and their causes.

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## tm2135 - 444J, 544J, 624J Loader Operation and Tests

### Recognize Safety Information

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#### Recognize Safety Information



T133555-UN: Safety Alert Symbols



T133588-19: Safety Alert Symbols

**This is the safety alert symbol. When you see this symbol on your machine or in this manual, be alert for the potential of personal injury.**

Follow the precautions and safe operating practices highlighted by this symbol.

A signal word — DANGER, WARNING, or CAUTION — is used with the safety alert symbol. DANGER identifies the most serious hazards.

On your machine, DANGER signs are red in color, WARNING signs are orange, and CAUTION signs are yellow. DANGER and WARNING signs are located near specific hazards. General precautions are on CAUTION labels.

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for your reading.  
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to get more information.