

# 310SJ Backhoe Loader Diagnostic



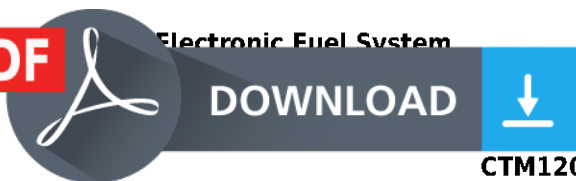
## OPERATION AND TEST MANUAL

**Backhoe Loaders models 310SJ (S.N. before 159759)**

**TM10131 27 DEC 15 (ENGLISH)**

For complete service information also see:

|                                                                                                                                           |           |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| JDLink (MTG) Technical Manual                                                                                                             | TM114519  |
| 310SJ (S.N. -159759) and 315SJ (S.N. -BE315SJ300868) Backhoe Loader Repair                                                                | TM10146   |
| Alternators and Starting Motors                                                                                                           | CTM77     |
| PowerTech E 4.5 and 6.8L Diesel Engines Level 16 Electronic Fuel System With Denso HPCR                                                   | CTM502    |
| PowerTech 4.5L & 6.8L Diesel Engines Level 16 Electronic Fuel System With Stanadyne DE10 Pump                                             | CTM502    |
| Super Caddy Oil Cleanup Procedure                                                                                                         | CTM120519 |
| 120 Series Hydraulic Cylinders                                                                                                            | CTM114319 |
| 120 Series Hydraulic Cylinders                                                                                                            | CTM109319 |
| 125 Series Hydraulic Cylinders                                                                                                            | CTM104    |
| PowerTech 4.5L & 6.8L Diesel Engines Tier 1/Stage I, Tier 2/Stage II, Tier 3/Stage IIIA, Tier 3/Stage IIA Tier 3/Stage III, (Base Engine) | CTM103519 |
| 100 Series Hydraulic Cylinders                                                                                                            | CTM10006  |
| JDLINK/ZXLINK Machine Monitoring System                                                                                                   |           |



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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.



### **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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