

N-01

MAINTENANCE MECHANIC TRAINING

SKILL CHECK GUIDE

Duty N: System Troubleshooting
N-01: Troubleshoot Hydraulic System

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Rationale

This Skill Development Guide provides the knowledge a Learner needs to troubleshoot a hydraulic system. The Learner must be able to troubleshoot the hydraulic system for a machine.

Skill Check Set-Up

Introduce a fault in the hydraulic system for a machine. Ask the Learner to troubleshoot the system to identify the fault and recommend a corrective action.

Provide the tools, materials, and resources needed to demonstrate the task.

What The Learner Will Need

This section contains the safety information, tools, and resources the Learner will need before troubleshooting a hydraulic system.



- Follow all Caterpillar facility safety standards when performing this task.
- Watch for rotating and moving parts/shafts, slides, or conveyors; the machine is energized during troubleshooting.



- Maintenance Mechanic hand tools



- machine manufacturer's manual
- hydraulic print



Skill Check

Given a hydraulic system that is not operating according to normal operating conditions, troubleshoot the hydraulic system.

Needs
Mastered Practice

Safe Work Practices

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Follow all Caterpillar facility safety standards when performing this task. |
| _____ | _____ | 2. Watch for rotating and moving parts/shafts, slides, or conveyors; the machine is energized during troubleshooting. |

Task Standards

- | | | |
|-------|-------|---|
| _____ | _____ | 1. The fault must be identified. |
| _____ | _____ | 2. The recommended corrective action must return the hydraulic system to the normal operating conditions shown on the hydraulic print or the manufacturer's manual. |



Evaluator's Sign-Off

The Learner has demonstrated safe work practices and competent performance of the task.

Evaluator: _____ Date: _____

Learner: _____ Clock No: _____

