

TOOLBOX TALKS

Performing Service on a D7E Track Type Tractor

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TOPIC: Performing Service on a D7E Track Type Tractor

The new Caterpillar D7E is a revolutionary machine. With this come some changes to the processes, tools and training needed to service these machines. Refer to the D7E Operation and Maintenance Manual to learn about the routine maintenance schedules and practices. The items below will give you some advice in these areas:

Processes

- Always utilize the D7E Service Manual when performing any troubleshooting, testing and adjusting, repair and disassembly and assembly work.
- When performing repairs on components in the Electric Drivetrain or Accessory systems, always perform the safe shutdown procedure to verify that hazardous voltage levels have been removed from these systems.
- Always Lock-Out and Tag-Out the machine when performing repairs to the tractor.
- The D7E features a new tilting cab for quick and easier access to the hydraulic, drivetrain, and accessory system components when repairs and further troubleshooting are needed.
- The cab lift cylinder is also designed to be the safety brace for the cab when it is in the fully tilted position. Also included is a cab tilt brace that allows it to be tilted and braced in an intermediate tilt position.
- Utilize grouped service points on the ground level for routine inspections and maintenance.

Tools Needed for the D7E

- Caterpillar Electronic Technician (Cat ET) is the primary tool used for diagnosing and troubleshooting the electric drive and accessory systems as well as the 24V operated systems. Cat ET is available exclusively through the Cat Dealer Network.
- There are some new tools required for disassembling and assembling some of the D7E. For a complete list, refer to the Service Manual or D7E Service Tools List.

Recommended Training

- D7E Service Technician Training, Instructor Led
- D7E New Product Overview Service Training, Online

Discussion Date: _____

Employee Participants:

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