

The Digger Frequent Inspection course features three individual segments covering the Terex Utilities Digger Derrick Frequent Inspections. The training outlines the Terex Utilities inspection form as well as inspection points and criteria for the different frequent inspections: Daily, 90-Day, and 180-Day.

### **1. Digger Derrick Frequent Inspection Forms**

- a. This lesson breaks the Terex Utilities Frequent Inspection form down, detailing the information that needs to be captured and providing explanations and examples on how the form is meant to be used.

### **2. Daily Digger Derrick Inspections**

- a. The second lesson focuses on the Daily Inspection portion of the inspection sheet. The Daily Inspection lesson takes the technician step-by-step through the nineteen general areas identified in the inspection sheet. Pictures and descriptions are used to provide examples of areas that need to be checked for each inspection point. Areas to be inspected include:
  - i. Check controls at platform and lower controls for proper operation
  - ii. Inspect fall protection equipment and attachments
  - iii. Inspect visual and audible devices
  - iv. Check condition, cleanliness, and dryness of fiberglass components
  - v. Visually check for missing or loose covers and guards
  - vi. Check for missing and illegible operational, warning, or instructional markings
  - vii. Visually check oil level in hydraulic reservoir
  - viii. Visually inspect for leaks in hydraulic system
  - ix. Check all areas for evidence of physical damage
  - x. Visually check all cylinders for leaks.
  - xi. Visually inspect all fasteners for tightness.
  - xii. Visual inspection of all structural members; Digger Derrick, accessories, outriggers, subframe, and attachments, for cracks and permanent deformation
  - xiii. Check for rotational obstructions
  - xiv. Visual inspection of all electrical wires
  - xv. Inspect winch line, hook, and slings
  - xvi. Visually inspect Auger Roll Up Cable
  - xvii. Visual inspection of leveling system or leveling brake
  - xviii. Operational test of all boom functions
  - xix. Inspect for damaged or missing auger teeth

### 3. 90 and 180 Day Digger Derrick Inspections

- a. The final lesson is broken up into two separate parts: 90-Day inspections and 180-Day inspections. Each of these lessons describe the additional inspection items required during the 90 and 180-Day inspection intervals.
- b. 90-Day Inspection
  - i. Replace return filter
  - ii. Visually inspect all sheaves, pins, and retainers
  - iii. Lubricate all points per lubrication chart recommendations
  - iv. Apply lubricant to rotation gearbox pinion and turntable bearing
  - v. Perform daily inspections
- c. 180-Day Inspection
  - i. Check tightness of rotation bearing bolts; turntable to bearing, and bearing to pedestal
  - ii. Perform Daily and 90 Day Inspection / Maintenance

## Quizzing and Testing

### Review Quizzes

A review quiz is provided after each lesson segment to allow the technician to gauge their knowledge and understanding of the topic. The review quizzes can be taken as many times as desired and have no effect on the final grade for the course.

### Digger Derrick Frequent Inspection Final Exam

The final exam consists of 35 multiple choice and true/false questions. To successfully pass this course, the technician must achieve a score of 90% or higher on the final exam in a maximum of 2 attempts. Upon the successful completion of this course, the technician will receive a Certificate of Completion for the course.