



AIR BRAKE TEST (CFR 232, 238)

JOB AID - VIRTUAL INTERACTIVE GUIDE (VIG)

BACKGROUND & PROBLEM

Inspecting and testing rail car air brakes, a common railroad task, is a fundamental part of a railroad's initial training for Conductors and rail car Mechanics. This inspection and testing, known as Air Brake Test (CFR 232, 238), requires railroads to have multiple rail cars on-site and allocate a significant amount of training time for demonstration and practice.

SOLUTION OVERVIEW

To make procedural knowledge readily available in classroom training and in the field, Railroads can deploy a Virtual Interactive Guide (VIG) covering the Air Brake Test process.

The VIG guides workforce through steps of the Air Brake Test with individual steps in both text and 3D animation. Ability to replay, move forward/back, search and jump to steps. Necessary safety and technical information is displayed.

Used for: Classroom Training, Self-paced refresher, Job Aid (Field) tool.

FEATURES

Possible train defects:

- Air hose leaking, Piston leaking
- Angle Cock leaking, Retainer Valve leaking
- Cut Out Cock leaking

Car types: Gondola, Flat, Box, Tanker, Hopper, Well/Intermodal.

Available on PC, Mac, iOS, Android

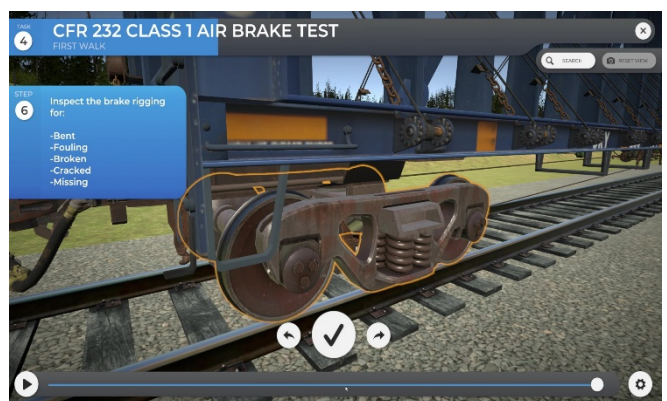
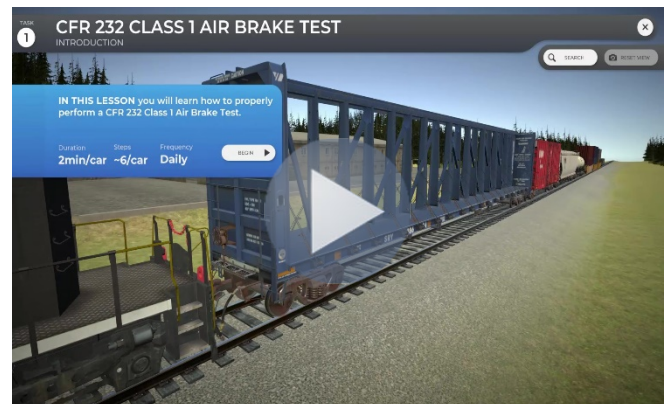
BENEFITS

1. Improved knowledge of air brake components and functions and Increased efficiency when performing the Air Brake Test.
2. Reduced need for live equipment (Locomotives/rail cars allocated for training).
3. Readily available refresher training tool.

WHAT TO EXPECT

Using the VIG, employees should be able to:

- Identify and determine the correct positioning of rail car air brake system components
- Manipulate air brake system components and determine correct brake pipe pressure.
- Understand the steps of an Air Brake Test.



Want the same results for your workforce? License this VIG for immediate deployment or discuss a custom requirement – solutions@hwd3d.com or call 888.781.0274 ext. 701