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AIR FLOW (CFR 232, 238)

TRAINING & REFRESHER SIM

BACKGROUND & PROBLEM

It is difficult to convey how air flows through locomotives, rail cars and how components are interconnected. Knowing this information would benefit Transportation and Mechanical employees performing inspections.

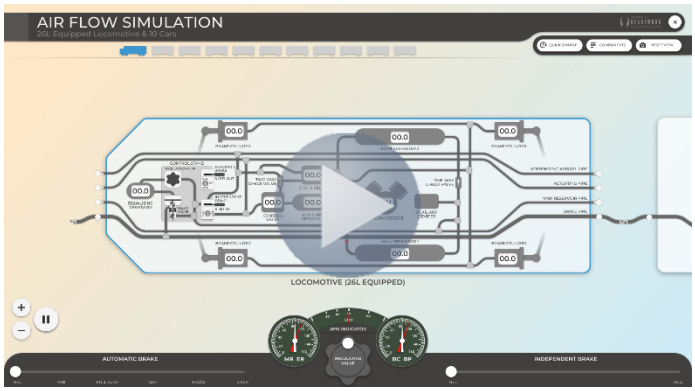
SOLUTION OVERVIEW

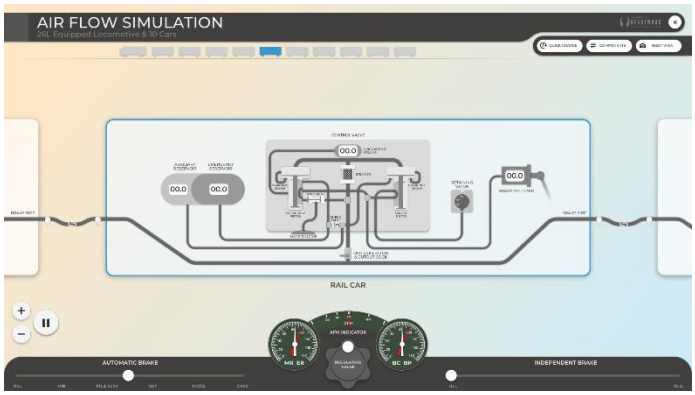
Using a visual representation of the air system including reservoirs, valves, brake pipes, cylinders, control stand and more, a student is able to observe air pressure throughout the system as the train charges and when states change. Visualization of air flow is through a locomotive and rail cars as well.
Allows student to manipulate independent and automatic brakes to see how these changes affect the pressure throughout the system.
Gives student additional practice at their own pace.
Used for: Classroom Training, Self-Paced/Refresher Learning

FEATURES

- Visually show air flow through locomotive.
- Explore air system components.
- Manipulate independent and automatic brakes.
- Real-time changes in pressure throughout the system.
- See Design Document here.

Locomotive type: GP38-2
Available on PC, Mac, iOS, Android, LMS





BENEFITS

1. Improved knowledge of air system components and air flow through locomotive components.
2. A standardized training resource.
3. A formalized tool for refresher training.

WHAT TO EXPECT

After using the sim, employees should be able to:

- Identify relevant components of air system
- Understand how and why pressure in the system changes
- Improved understanding of inspections and procedures related to the air brake system, i.e. Class 1 Air Brake Test and Locomotive Daily Inspection

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