

Amtrak
SMP 28603 - Private Car Mechanical Standards
September 2013

Summary of Axle and Wheel Ultrasonic Inspection Requirements

Axles (per Section 12.19)

Effective October 1, 2014, each individual axle on a car must be either:

- a) from an AAR-certified Shop-assembled wheelset produced within the last 10 years, which either ultrasonically tested or wet magnetic particle tested the axle at that time; or
- b) the axle was ultrasonically inspected within the last 10 years.

Document the axle Ultrasonic Inspections on Private Car form PC-7.

Wheels (per Section 12.20)

Effective October 1, 2014, each wheel on a car must be:

- ultrasonically inspected within the last 2 years.

Repeat the wheel ultrasonic inspection every 100,000 miles thereafter (such as at a wheel turning).

Document the wheel Ultrasonic Inspections on Private Car form PC-7.

Replacement Wheelsets After October 1, 2014 (per Section 12.17)

Any wheelset being installed after October 1, 2014 must have been produced at an AAR-certified wheel shop, which has performed mandatory axle UT or wet magnetic particle inspection.

Document the axle Ultrasonic Inspections on Private Car form PC-7.