

PMRRS - Rolling Stock Standards

Rev. 1.0 01-26-2008

- 1. All freight cars, passenger cars, non-revenue cars, and powered and non-powered locomotives must be inspected before they are first used on the layout, and annually thereafter. (If passed, they will be marked by the PMRRS Standards Committee {hereafter referred to as the Committee} with a distinctive mark – white dot - on their undersides.)**
- 2. All cars must be marked with paint on their underside of each coupler pocket with the member's distinctive color code, as assigned by the PMRRS Secretary.**
- 3. All cars shall conform to the NMRA (National Model Railroad Association) RP-20 weight practice for HO scale, i.e., 1-ounce plus 1/2-ounce for each inch of car length. (For example, a 6-inch car should weigh 4-ozs, and a 7-inch car should weigh 4 1/2-ozs.) Car weight should not be less than 5%, or over 10% of the standard. Non-conforming cars (e.g., passenger/unit train) may be approved by the Committee.**
- 4. All weights, loads, and containers must be securely fastened to the cars so that they will not fall off when the cars are inverted.**
- 5. All cars must have body-mounted couplers. Talgo-mounted (truck mounted) couplers will not be allowed. Non-conforming cars (e.g., passenger/unit train) may be approved by the Committee.**
- 6. All cars must have Kadee® couplers, except locomotives that may have a dummy front coupler. All couplers must be in good repair, operate properly on uncoupling ramps and be set to match the PMRRS Kadee coupler height gauge within 0.03-inches (1/32-inch). Non-conforming cars may be approved by the Committee, for example, in the case of a passenger/unit train.**
- 7. All wheel flanges shall conform to the NMRA RP-25 wheel contour practice. All wheelsets must be metal. No dirty or worn wheels are permitted. (A worn wheel is a wheel having a sharp flange, or missing the proper contour.)**
- 8. All wheel gauges must conform to the NMRA S-4 wheel gauge standard.**
- 9. All cars must be able to roll down a 2% grade.**
- 10. All rolling stock will be logged into Excel spread sheets maintained on the PMRRS computer.**