RAILROAD TANK CAR SPECIFICATION MARKING SYSTEM

**OTHER CAR FEATURES**
- Fittings, Materials, Linings

**TYPE OF WELD USED**
- "W" Fusion Welding (most Common)
- "F" Forge Welding

**TYPE OF MATERIAL USED IN TANK CONSTRUCTION**
- "NO LETTER" Carbon Steel
- "AL" Aluminum (Classes 103, 105, 109, & 11)
- "A-AL" Aluminum Alloy
- "N" Nickel
- "C" "D" or "E" Stainless Steel (alloy/steel)

**SEPARATOR CHARACTER**
- Significant only for Class 105, 112, 113, 114 Tank Cars and some 111 Tank Cars when retrofitted
- "A" Top and bottom shelf couplers
- "S" Tank headsheilds, top and bottom shelf couplers
- "J" Jacketed thermal protection, tank headsheilds, top and bottom shelf couplers
- "T" Spray-on thermal protection, tank headsheilds, top and bottom shelf couplers

**CLASS DESIGNATION**
- The three digit class designation follows the Authorizing Agency
- NON PRESSURE TANK CARS
  - DOT 103 AAR 201
  - DOT 104 AAR 203
  - DOT 111 AAR 206
  - DOT 115 AAR 211
- CRYOGENIC LIQUID TANK CARS
  - DOT 113 AAR 204W
  - AAR 204XT (Inside box car)
- MISCELLANEOUS TANK CARS
  - DOT 106 Multi-Unit Tank Car Tank (Ton Containers)
  - DOT 110 Multi-Unit Tank Car Tank (Ton Containers)
  - DOT 107 High Pressure Tank Car
  - AAR 207 Pneumatically Unloaded Covered Hopper
  - AAR 208 Wooden Tank Car

**AUTHORIZING AGENCY**
- Tank Car specifications start with three letters designating the agency under whose authority the specification was issued
- DOT DEPARTMENT OF TRANSPORTATION
- AAR ASSOCIATION OF AMERICAN RAILROADS
- ICC INTERSTATE COMMERCE COMMISSION (Regulatory authority assumed by DOT in 1966)
- CTC CANADIAN TRANSPORT COMMISSION
- TC TRANSPORT CANADA (Replacing CTC)