HLRT Overhaul Shop Progress Report

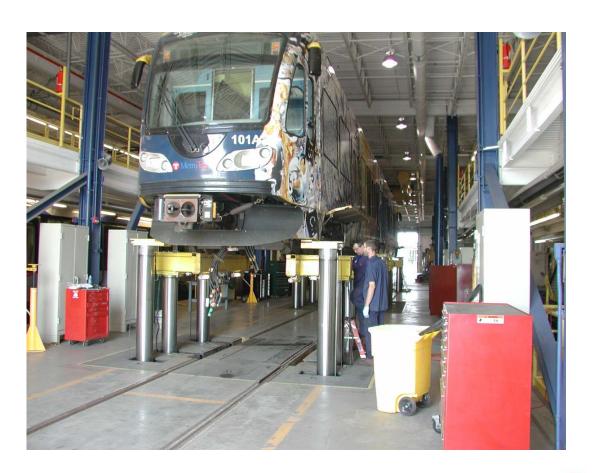
Presented by
Gene Sheldon
Manager Rail Vehicle Maintenance

Date: April 23, 2012





The Overhaul Program began on September 11, 2009 with LRV 101 as the first car completed







Pantograph

Power Truck





Center Truck

Axle Assembly





Combined Power Control Unit (CPCU)

Heating Ventilating A/C Unit (HVAC)





Electronic Hydraulic Control Unit (EHU)

Master Controller











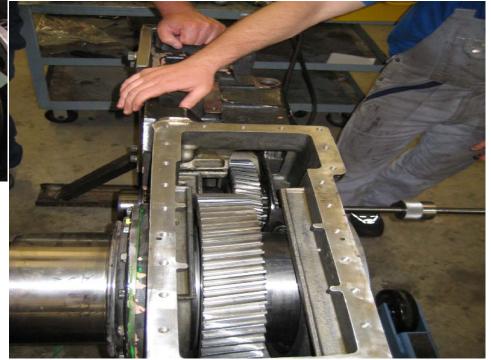
Couplers





Toshiba Traction Motor End Bear and Armatures

Voith Gear Box Didn't need to be overhaul till 800,000 miles







Special tooling was developed as required



50 Ton Axle Press For the Removal of The Axle Bearings



Rust and Corrosion

Motor Armature





Pump Motor Electrical Box And Connectors





Rust and Corrosion Issues

Axle Bearings







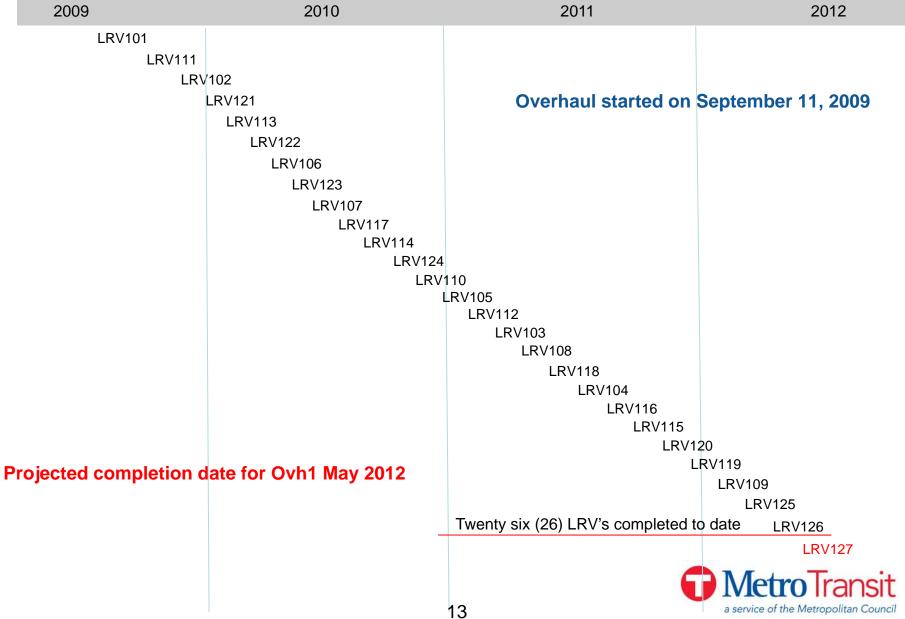


Parts Sourcing











Please ask any questions or concerns that you may have.



