

Ted E. Stewart, Mechanical Systems Engineer
CSX Transportation

Industry Experience:

1993-Current **CSX Transportation (Jacksonville, FL)- Mechanical Systems Engineer.** Responsibilities include: 1) coordination of all maintenance practices for both GE and EMD locomotive engines, 2) obtained EPA Tier 0 Certification for the Auxiliary Power Unit Idle Reduction Emission Kits for all EMD engine families, 3) created and initiated training for CSX System Maintenance Regulations for the building, overhaul and maintenance of both GE and EMD engines, 4) initiated locomotive test projects for all new engine-related products, 5) developed the standardization of diesel engine components as major inventory reduction program, 6) created detailed specifications for all outsourced engine components, 7) qualified all engine component aftermarket suppliers with first article quality inspections, 8) conducted extensive catastrophic engine failure studies based on the engine's lube oil analysis.

1989-1993 **GE Transportation (Erie, PA) - Design Engineer.** Responsibilities included: Program Manager for the Natural Gas Conversion program; design and development of the GE diesel engine emissions program which included the coordination of all baseline testing being conducted at Ricardo Consulting Engineers (England); coordinated the construction of the first engine emission testing facility in Building 18 Engine Lab.

1984-1989 **GE Transportation (Grove City, PA) - Resident Engineer.** Responsibilities included: Liaison functions between design engineers and the manufacturing facility; implementation of all engineering changes into the production schedules; detailed understanding of each component manufacturing process, (such as cylinder heads, connecting rods, final assembly & test, etc).

1978-1984 **Ford Tractor Operations (Detroit, MI) - Design Engineer.** Responsibilities included: design and development of emissions program for mid-size truck engine conversion; design and development of fuel injection equipment for tractor diesel engines; corporate engineering training program.

Professional Engineer license - Michigan
MBA - University of Detroit
BS Agricultural Engineering - Penn State University