

Reliable Traction Motor for a Commuter Train

Background

- A CV Diesel is applied as traction motor for a new commuter train
- The rail duty cycle deviates significantly from the current operation modes
- The reliability and durability targets have to be demonstrated for several maintenance regimes

Requirements

- Validation of the motor for rail operation as complement to already executed CV testing
- Task sharing between engine and train manufacturer
- Quantification of warranty cost risks

Customer Benefit

- Slim complementary validation program for rail specific duty cycles
- Efficient testing sequence of engine and vehicle
- Optimized validation via assessment of warranty risks

The Solution with Uptime LOCATE

- Analysis of changes in load and load carrying capacity and their resulting risks
- Rail engine validation as a combined program of CV and rail testing
- Supervision strategy for the engine in rail operation

