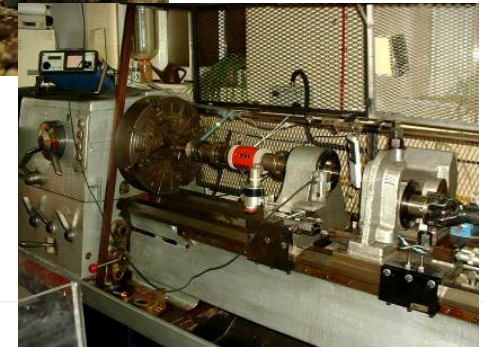


# Wheel/Rail Friction Management

## Managing Friction is Important

- Maintaining friction at optimum levels can help reduce:
  - energy requirements
  - noise and vibration
  - wear and RCF
- Use of adhesion enhancers can reduce problems in traction and braking
- This work involves developing standard twin disc tests to assess and proving performance of friction modifiers and adhesion enhancers
- Tests are being compared against field measurements



## Outcomes

- Reference data on the effect of contaminants on friction have been gathered
- Simulated leaf layers have been created in twin disc tests
- Adhesion enhancers benchmarked
- Tests for solid and liquid friction modifiers developed

