

COAT IMPROVEMENT PLAN

Caterpillar Surveillance Panel goal in this work is to improve the current COAT test not change the performance level of the test.

1. Apply Learnings from Current Data

Align mechanical stand setups
Correct Operational differences
Ensure density calibration procedure alignment

2. Perform Calibration Testing

3. Evaluate MicroMotion Options for Density

- a) Isothermic (Emerson heating jacket)
- b) Input AvgSampleTemp into the MM instead of the MM using RTD temp
- c) Use Raw Frequency output signal from MM
- d) Other

4. Implementation & Shakedown

5. Perform Calibration Testing

- The issues of 1 need to be addressed and may have a significant impact on bringing all labs closer in to target.
- The calibration testing of 2 will assess how significant the changes were before we consider proceeding with any changes to the temperature input to the density calculation.