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## **Sequence VI E**

I have participated in the weekly conference calls to ensure I remain current on the relevant issues. Additionally, a small technical WG has held calls to work specific issues. It has been necessary to make major revisions to the draft standard over the last six months as a result of these calls and other changes to the method following completion of the precision matrix. The precision matrix data was completed and reviewed, the SP decided to limit the VIE engine life to 4 total tests with one reference and 3 candidate tests.

I sent the document to ASTM to be balloted on November 9, 2016, but the SC B ballot will not be issues until late December.

I have been working on the VIF document, which requires more input.

## **Sequence IV B**

There have been numerous conference calls conducted by the WG, and I have been an active participate. The test team has made significant changes to the test procedure before Precision Matrix that includes: adding a 5th flush, which is an oil pan flush without the engine running. This flush is conducted prior to the 4 flushes with the engine running; added magnetic-inductive flow meters for engine and rocker cover coolant flow rate measurement and control; control engine coolant flow rate to 80 lpm for Stage 1 and 20 lpm for Stage 2; control blowby gas temperature to 32°C; changed intake air pressure from 0.07 kPa to 0.25 kPa; changed oil gallery temperature from 53°C to 54°C for Stage 1 and from 55°C to 54°C for Stage 2; changed exhaust backpressure from 103.5 kPa to approximately barometric pressure for Stage 1, by locking the control valve at the controller's output value at the end of Stage 2 just to mention a very few.

The significance is that the current test method will require major changes after the Precision Matrix is completed.

## **Volvo T-13**

All the comments and negatives were resolved on this standard and it has been published as D8048. Some Information letters have also been published.

**I spent 62 hours working on the 3 documents so far over the past 6 months.**

Respectfully submitted,

*E. A. Hap Thompson*

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Facilitator