# Sequence VH Surveillance Panel Meeting

Teams
Friday, September 19, 2025, 11:00 pm – 11:30 am EDT

## 1.0) Attendance

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|---|---|
| Afton: | B. Campbell |
| Ford: | M. Deegan |
| Haltermann Solutions: | E. Hennessey, I. Mathur |
| Infineum: | J. Anthony |
| Intertek: | A. Lopez |
| Lubrizol: | T. Catanese |
| SwRI: | D. Engstrom, P. Lang, M. Lochte |

## 2.0) Lab Piston and Bore Measurement Round Robin

- Set up Lab A and Lab G bore gauges at Lab A
- Both labs made bore and piston measurements on the same block and pistons with each lab using their personnel and measurement instruments
- Remarkably close post-test measurements
    - SwRI block had 24 more hours and lower fuel dilution than IAR block
    - SwRI block had tighter piston clearances.

## 3.0) SwRI Piston Clearance Experiment

- Lab A will build another engine targeting the upper piston clearance limit of 0.42 mm, similar to Lab G's build.
- If the fuel dilution is close to Lab G's fuel dilution values, 16%, the engine will run a complete test to quantify AES for comparison.
- Haltermann approved Lab A's use of M-batch fuel for this experiment.

## 4.0) SwRI Piston Clearance Documentation

- Piston Clearance is not reported in LTMS
- The labs agreed to report piston clearances for M-batch tests
- D. Engstrom will lead this effort

## 5.0) Proposal to add Hone $C_V$ to LTMS

- Ford reported that $C_V$ is believed to influence oil contamination and, possibly, fuel dilution.
- It was recommended that $C_V$ be added to LTMS

## 6.0) Discussion on Finishing Precision Matrix

- The next Surveillance Panel meeting will be held September 22, 2025
- The O&H recommends having a motion to allow Labs D and G continue with the matrix while Lab A is running their experiment
- Lab A will continue in the matrix after the experiment

## 7.0) Meeting Adjourned

- Meeting adjourned at 11:30 am EDT
- The next meeting will be scheduled after Lab A's piston clearance experiment is completed.