Ford VTW Panel Meeting Minutes

November 20, 2026, 9AM CST, scheduled for 1HR.

Meeting Started 9:03 AM

Participants:
Infineum - Andrew Smith
Intertek – Noor Alam Fayyaz (Secretary)
SwRI - Bob Warden, Travis Kostan, Jose Starling
TEI - Derek Grosch
Afton - Amanda Stone, Ben Maddock
Lubrizol - Robert Slocum
Oronite – Shelby Skelton, Ramoun Mourhatch, Josephine Martinez
TMC - Brad Transue
Ford - Mike Deegan

Agenda:
Discuss the new Section 11 of the Test procedure, which covers rocker arm and pushrod mass loss calculations, as well as the data trimming procedure.

Discussion:
The panel discussed the new Section 11 drafted by Gregory Dannheim in collaboration with Sean Moyer and Brad Transue.

Procedure Updates and Finalization:
Add a new section 11----

11.1 Push Rod Mass Loss:

11.1.1 Use the procedure in 10.2 to determine and report the pre-test and EOT mass of each individual push rod.

11.1.2 Calculate and report the mass loss of each push rod as pre-test minus EOT mass. Calculate and report the original average of the original 32 individual push rods.

11.1.3 From the original 32 push rod data set, remove the minimum (IPRML) and maximum (XPRML) values found, and recalculate the average to find the trimmed average (TAPRML) of the trimmed 30 push rod data set.

11.1.4 From the trimmed 30 push rod data set, recalculate the trimmed minimum (TIPRML), maximum (TXPRML), and standard deviation (TSPRML).

11.1.5 State the push rod location of the minimum and maximum values from the original 32 push rod data set that were trimmed out on Form 8A of the latest report form version.

11.2 Rocker Arm Mass Loss:

11.2.1 Use the procedure in 10.3 to determine and report the pre-test and EOT mass of each individual rocker arm.

11.2.2 Calculate and report the mass loss of each rocker arm as pre-test minus EOT mass. Calculate and report the original average of the original 32 individual rocker arms.

11.2.3 From the original 32 rocker arm data set, remove the minimum (IRML) and maximum (XRML) values found, and recalculate the average to find the trimmed average (TARML) of the trimmed 30 rocker arm data set.

11.2.4 From the trimmed 30 rocker arm data set, recalculate the new minimum (TIRML), maximum (TXRML), and standard deviation (TSRML).

11.2.5 State the rocker arm location of the minimum and maximum values from the original 32 rocker arm data set that were trimmed out on Form 7A of the latest report form version.

Make this Section 12 11. Laboratory and Engine Test Stand Calibration and Non-Reference Oil Test Requirements

Motion:

Motion to add new section 11 to the procedure as it is written.
Andrew Smith, Infineum motions. Mike Deegan. Ford seconds motions. No Waives. No objections. Motion carries.

Action Items:

Sean Moyer will provide an updated data dictionary form.
Mike Deegan and Sid Clark will go over the new section and add to the procedure.

AOB:

Following completion of the panel's review, the procedure will be forwarded to ASTM. Once received, ASTM will begin to move the proposal towards ballot.

Meeting Adjourned
11/20/2026 9:15 AM