

# Cummins Surveillance Panel

ISB (ASTM D7484)

ISM (ASTM D7468)

ISBVIS (ASTM D8617)

02/04/2026

Prepared By: Joshua Ward, S.P. Chairman



# Agenda

- ISM Hardware Batch Change
- Continue ISBV 6 cSt Discussion
- Continue ISBV Severity Discussion
- Update on ISB ECM's
- AOB

# ISM Hardware Batch Change

- Introduction of Adjusting Screw Batch F
- Lab Status and Estimated Timelines
  - Adjusting Screw Batch E: 2 kits
  - Adjusting Screw Batch F: 233 Kits based on expected 30% rejection
  - Crossheads Batch H: 100 Kits
  - Push Rods Batch D: 198 Kits
  - Exhaust Valve Batch G: 114 Kits
  - Intake Valves Batch G: 123 Kits
- ISM Part Reuse, oil pressure release valve and plunger

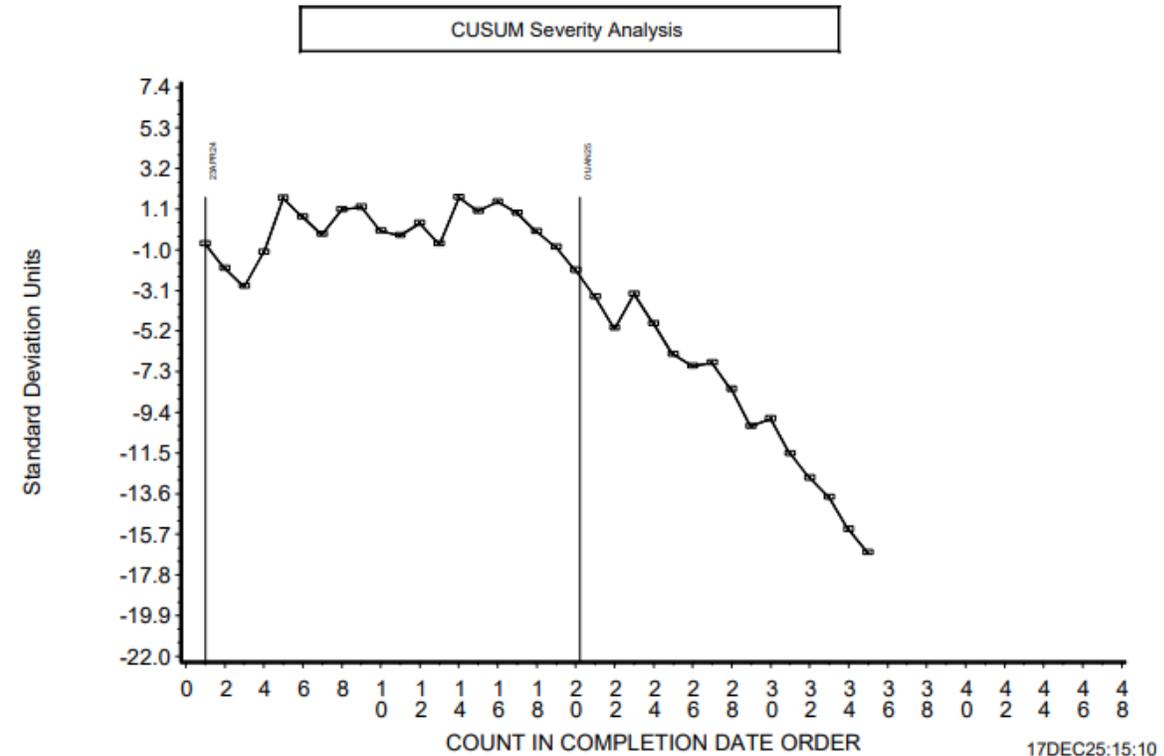
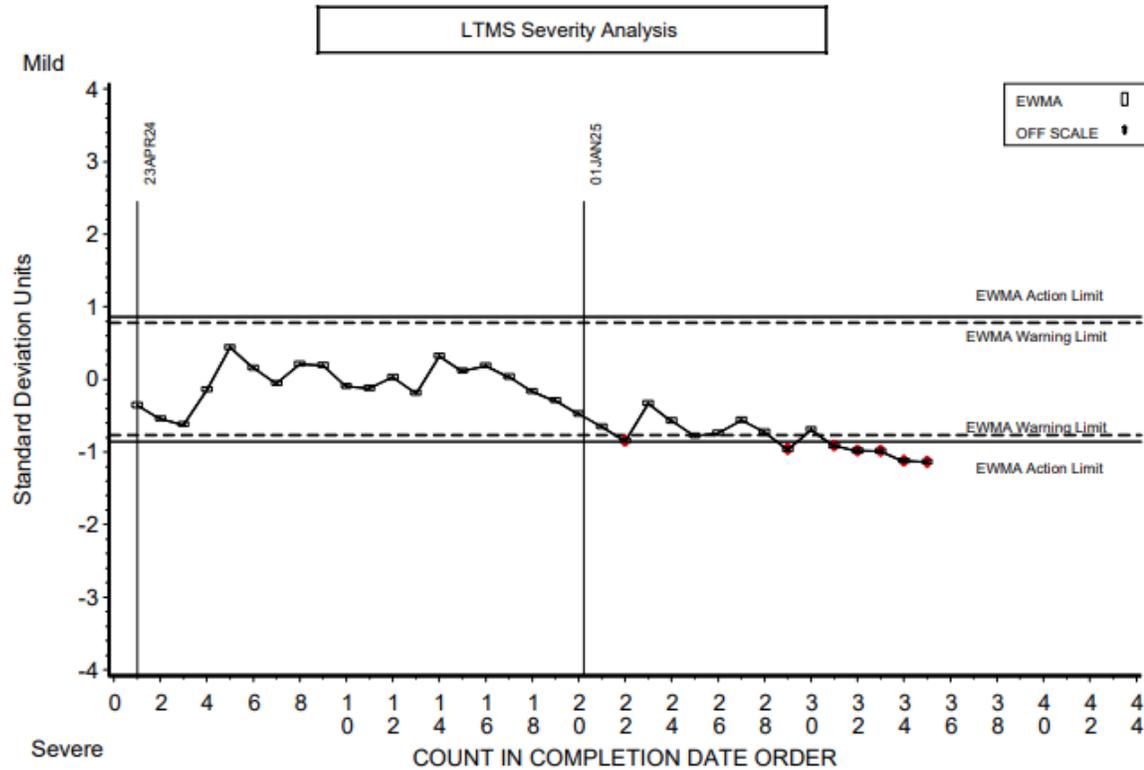
# ISBV 6 cSt

## From Previous Meeting Minutes:

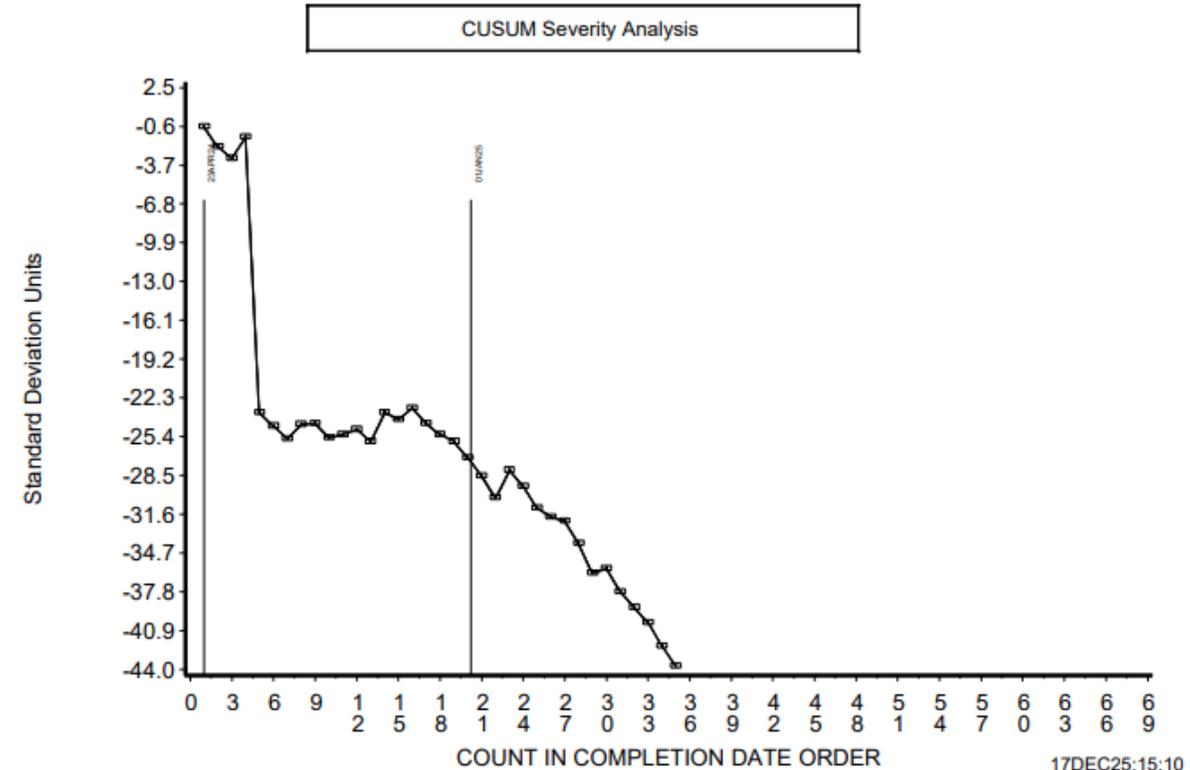
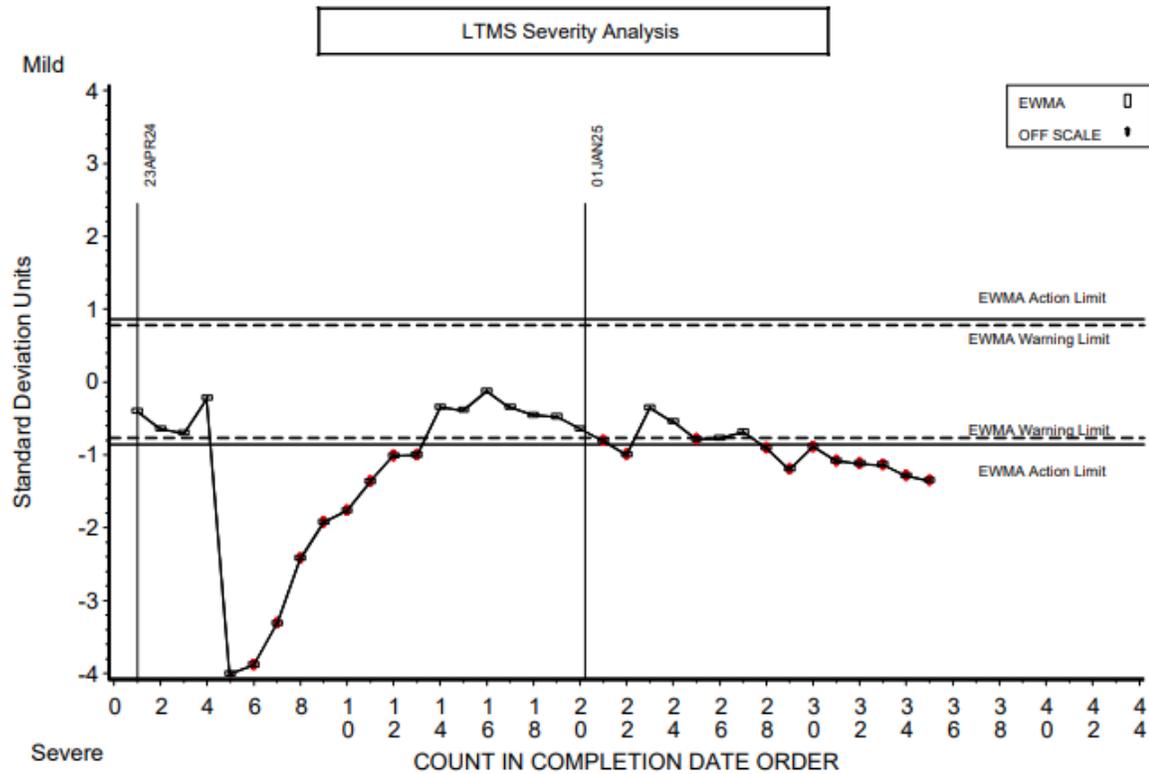
Tabled Motion: The panel directs TMC to replace the 4 cSt parameter with 6 cSt in the report form and test procedure. Labs will need to resubmit references and candidate data. 6 cSt will be non-critical for referencing as the panel evaluates data.

- Review Data and Target Calculations

# ISBV156 Severity Soot % at 12 cSt

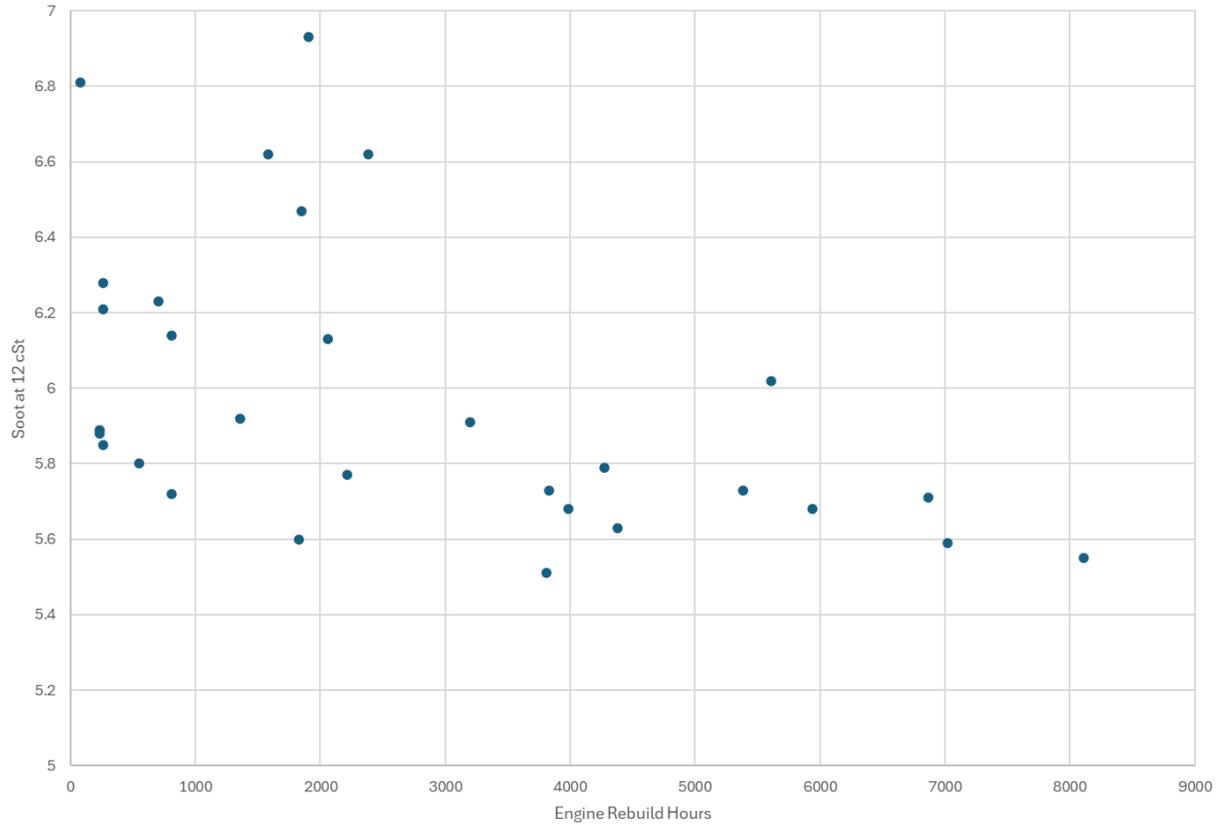


# ISBV156 Severity Soot % at 15 cSt

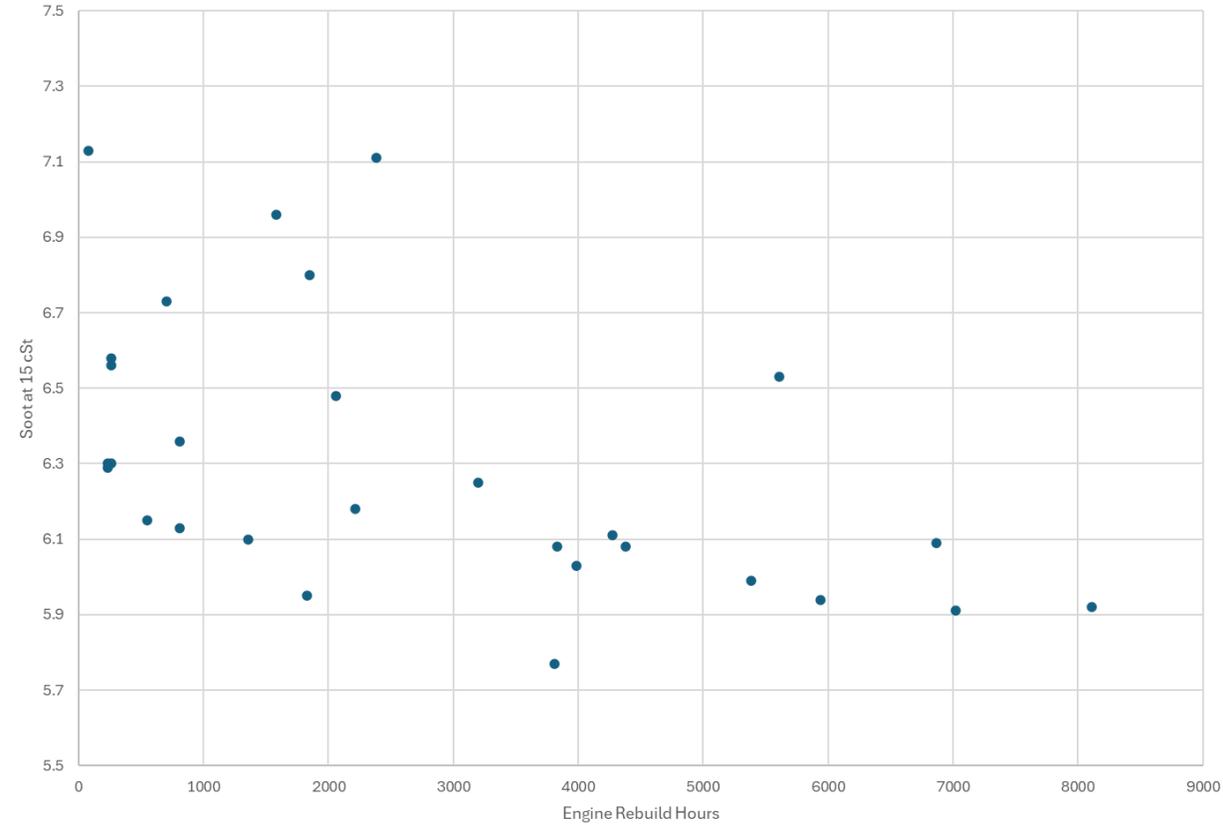


# ISBV 156 Reference Results

Soot at 12 cSt vs. Engine Rebuild Hours

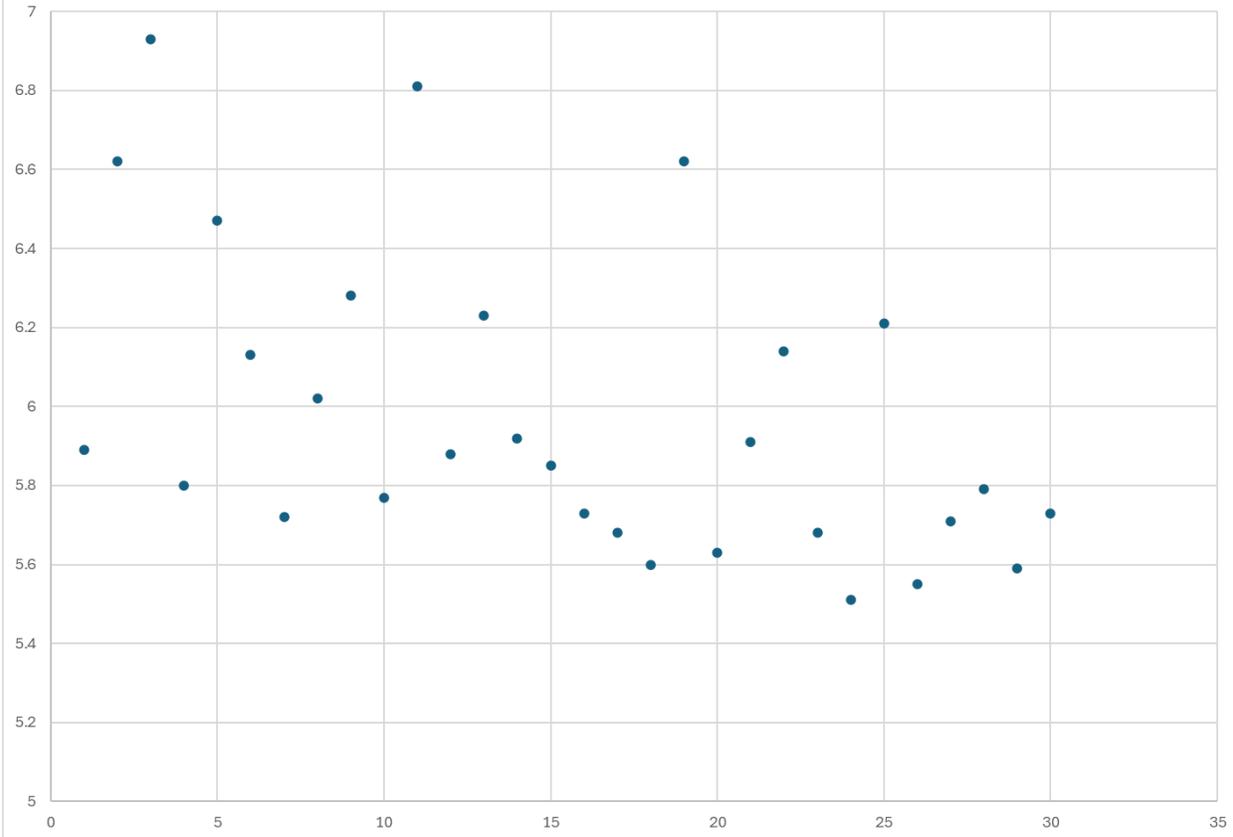


Soot at 15 cSt vs. Engine Rebuild Hours

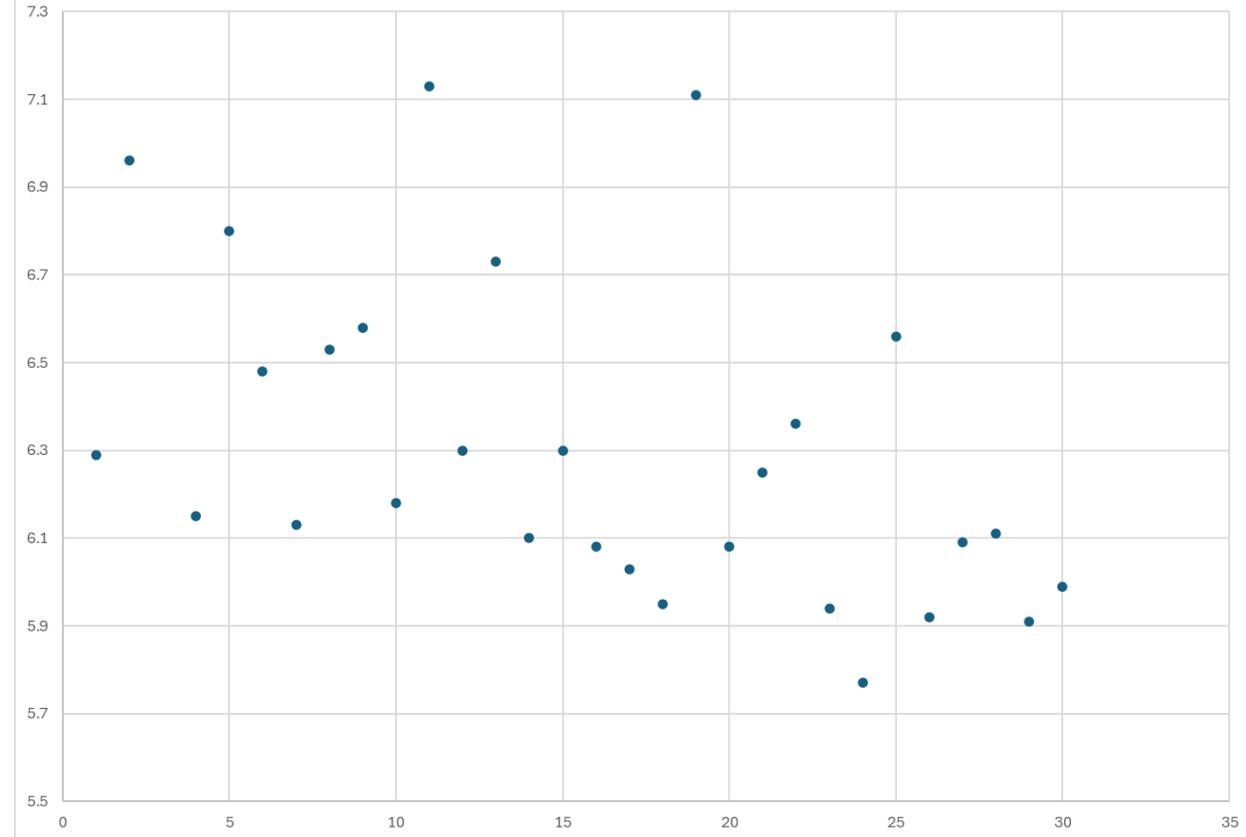


# ISBV 156 Reference Results

Soot at 12 cSt



Soot at 15 cSt



# ISB ECM Update

- Cummins is in the process of obtaining ISB ECM's
- Update from Phil Shelton

# RO 834-1

- One lab has completed a reference test on RO 834-1 which produced a passing result.

Concluding  
Remarks

