

Cummins Surveillance Panel
ISB (ASTM D7484)
ISM (ASTM D7468)
7/18/2024

Prepared By: Joshua Ward, S.P. Chairman



Agenda

- New ISB reference oil matrix timing confirmation with labs
- New ISB hardware introduction discussion
- ISM new reference oil volunteer still needed
- ISM hardware status for the new reference oil matrix
- ISM, ISB, and ISB Viscosity Calterm screen file parameter list
- AOB

ISB Reference Oil Update

- Estimated timeline from labs to begin new reference oil testing
- Oil available at labs

ISB New Hardware Introduction

- Status of new hardware
- New hardware must be brought in on a reference in each stand
- Plan to use new reference oil on these tests
- Rolling change, let SA's take care of any possible CF shift until enough references are ran to analyze for possible CF change
- Do we apply level 2 Ei limits?

Level 2:

- The Level 2 limit applies in situations that have been pre-determined by the surveillance panel to have a potential impact on test results. These situations may include the introduction of new critical parts, fuel batches, reference oil reblends, or other test components. When these conditions have been met and a Level 2 alarm is triggered, immediately conduct one additional reference test in the stand that triggered the alarm. Evaluate any subsequent test(s) using Level 3 e_i limits.

Motion Made by David Brass, Jo Martinez Seconded Motion

Motion: Apply level 2 Ei limits for the introduction of next batch of ISB hardware following the completion of the ISB new reference oil precision matrix. New hardware must be introduced on a reference test using the new reference oil 835.

ISM

- Need to identify test lab willing to run prove-out test on new ISM reference oil
- Donated “Prove-out” run can be used as donated matrix test if results are favorable, and the oil is chosen
- 12 kits currently available at TEI
 - Set aside current batch hardware for new RO matrix

Calterm Parameter List

- Need parameters for ISB, ISBVISC, and ISM
- Timeline for labs to provide lists
- Meeting with labs to discuss

Action Items

- Need a volunteer to run proposed RO on the ISM
- Calterm parameter list

Concluding
Remarks

