

Monday December 13th, 2021, Sequence VH Severity TF Agenda

Attendees

Al Lopez – Intertek
Daniel Engstrom - Southwest Research
Ben Maddock – Afton
Andrew Stevens - Lubrizol
Amol Savant - Valvoline
Rich Grundza - ASTMTC
Mike Deegan – Ford (Test Sponsor)
Doyle Boese – Infineum (Statistical Advisor)
Andrew Ritchie - Infineum
Charlie Leverett – Infineum (TF Chair)

1) Group reviewed the scope and objectives of the TF.

Scope

Review all aspects of the Seq. VH to determine engineering options to address LTMS severity/precision issues as seen in the Industry and laboratory LTMS Charts.

Objective

Incorporate all learned into the Seq. VH with prior approval from the Seq. VH Surveillance Panel. Improve consistency of maintaining Parameters within LTMS Warning and Action limits. Task Force will report all findings to the Seq. VH Surveillance Panel for instruction on how they would like the Task Force to proceed or disband.

2) Group reviewed the EWMA charts.

- a) Amol thought that improving the precision of the VH test was more important than improving the severity of the test

- b) Al thought RAC should have been looked at more closely even though it is part of AES. RAC transform makes it more complicated and he believes that it may be incorrect.
- c) CUSUM data which came in starting around October 2019 (Result 55) onwards, provides the strongest indication that the current fuel was different to the previous fuel batch. All the labs switched fuel at about the same time.

3) Group agreed the following action items:

- Labs will complete TMC VH Lab Visit spreadsheet for each calibrated stand.
Comment: any stand not currently calibrated but which might be introduced in the next six months should be included.
- Labs will supply the build data for all runs on 1011-1
- Labs will supply transition plots for all currently calibrated stands
- Review fuel analysis data with particular focus on RVP numbers.
- Review Industry Control Charts when targets for 1011-1 are approved
- Engineers will target 5 lab visits starting in January or as soon as the current COVID protocols are lifted.