

Sequence VIE FEI 2 Response Task Force

August 30, 2017 @ 9:00-10:00 CST

Toll-free dial-in number (U.S. and Canada):
(866) 588-1857

International dial-in number:
(678) 373-4882

Conference code:
1908975

1. Roll Call (start 9:00 CST)

1.1. Membership

1.1.1 Adrian (present), Bill, Charlie, Cliff, Dan (present), Greg, Jerry (present), Katerina (present), Todd (present), Rich

2. New Business

SCOPE: The Task Force will review data, chemical analysis for the 109 hour aging, and other factors for the VIE test looking for a root cause for a response shift affecting FEI 2.

2.1. VIE/F FEI 2 Severity

2.1.1. Chemical Analysis of industry Reference Oils

Chemical analysis in progress, PM samples from Valvoline arrive today at IAR. Start of the analysis was delayed due to weather conditions and preparation for Hurricane Harvey. The analysis is in progress now.

2.1.2. Engine Tear Down Comparison

ACTION: Labs will disassemble two engines, one that successfully calibrated and one that did not and visually inspect for differences. Things to look at are cylinder walls, piston rings, carbon deposits, etc. SwRI had done this and posted photos.

www.astmtmc.cmu.edu - /ftp/docs/gas/sequencevi/minutes/VIE Engine Photos/Failing Reference/

www.astmtmc.cmu.edu - /ftp/docs/gas/sequencevi/minutes/VIE Engine Photos/Four run Engine/

ACTION: Labs will see if they still have a Precision Matrix engine that could be torn down for photos.

Valvoline has a PM engine that will be torn down and inspected. Lubrizol and Afton have PM engines that were utilized for R&D after the PM was completed; there might not be much value gained from inspecting these engines. IAR and SwRI do not have PM engines available anymore, the engines were returned as cores.

3. Next Meeting

3.1. 6th September 2017, at 9:00 am CST

4. Meeting Adjourned