

EOAT Surveillance panel meeting minutes 7/25/2011

Attendees

Martin Thompson
Michael Alessi
Jim Matasic
Bob Campbell
Zack Bishop
Jim Moritz
Brad Carter
Jim Linden
Alsion Athey
Jim McCord

Roger Gault
Andy Richie
Mike McMillan
Mike Jefferies
Michael Alessi
Jim Matasic
Greg Miranda
Scott Richards
Jerry Wang
Mark Sutherland

Panel Membership

Martin Thompson - SwRI, Chair/Secretary
Rich Grundza - TMC
Jason Bowden - OHT
Michael Alessi - ExxonMobil
Jade Katinas - CAT
Jim Matasic - Lubrizol
Heather DeBaun - Navistar
Pat Fetterman - Infineum
Robert Stockwell - ConocoPhillips
Greg Shank - Volvo
Mark Sutherland - ChevronOronite
Barb Goodrich - John Deere
Bob Campbell - Afton
Zack Bishop - TEI
Jim Moritz - Intertek

Non-Voting

Chris Castanien - Lubrizol
Bill Larch - Lubrizol
Jim Linden
Allison Athey - Volvo
Greg Miranda – Lubrizol
Jeff Clark – TMC
Andrew Stevens –Lubrizol

Meeting Items

Panel Membership – new membership list noted above

Panel Scope and Objective - defined “To maintain the current EOAT test and to develop and maintain the C13 EOAT into an ASTM accepted test method”

C13 EOAT Test Procedure Questions and Concerns –

1. The Oil Temp should be controlled with an oil cooler
Concerns over cooler aeration effects
Currently believed to be minimal and negligible
It was decided not to correct for temp but instead to control it
2. What caused loss of separation between micro motion samples
Believed to be pressure drop as oil sheered – may be corrected with controlled sample pressure
3. What chem. Data was taken?
Fuel Dilution
Density
Metals
4. Baseline density should be taken by micromotion just after warm-up and not by chem. Lab.
5. Intake manifold temp very low, possibly run engine coolant through modine.
6. ECM concerns – Contact CAT about locking ECM timing
7. Lessons learned from Dexron VI transmission aeration test
Under investigation
8. Reference oils should be nominated after initial testing on new stand
9. Should this test replace the current EOAT
EMA wish list
Equivalency?
Severity change for EOAT
10. Test Parts
Prelim Testing done with used reference parts
Production parts use? – new test C13 EOAT parts, not to compete with C13 Test parts
Reference after every rebuild? – More data needed
11. Test procedure write-up – to be written by Martin, with help from Scott R. and Terry Bates.

12. Oil Fill

Should be done by volume, not weight
Sump sight glass? Needs to be very accurate

Additional Lab Aeration Results

None

Path Forward

1. Micromotion system changes and final design schematic prepared by SWRI and CAT
2. Stand Installation to be completed at SWRI early September
3. Test procedure basics/outline written up prior to first test on new stand
4. Lab Visit
5. Reference Matrix/Reference oil selection
6. Industry reference
7. Data Review
8. Class Panel Limits selection
9. Test Adoption

Next Conference call late September