

Volatility Surveillance Panel
Telecon: Discussion of New
D5800 Daily Check Oil

August 27, 2014

Agenda

- Discussion on modified PDSC method for D5800 reference oil monitoring
- Request for D6417 reference oil candidates
- Request for volunteer to become SP chair
- Discussion on specified D5800B check oil from TMC
- Additional topics

Selection of PDSC Method to Monitor D5800 Reference Oils

- ASTM D6186@180°C and CEC L-85-99@210°C were proposed to monitor reference oil stability. Under these standard test conditions, the reference oils did not break until the end of the test or later (> 120 minutes).
- Mike Birke (SwRI) donated D6186 tests run at 210°C and run until the oil broke. Results are shown below.
 - VOLC12: 39 minutes
 - VOLD12: 26 minutes
 - VOLE12: 27 minutes
- Results are reasonable and test will be included in annual schedule, pending SP acceptance.
- Recommend use of modified D6186 test to monitor D5800 reference oil stability.

Request for new D6417 Reference Oils

- Surveillance Panel evaluated the potential use of the new D5800 reference oils in D6417.
- D5800 reference oils did not provide acceptable performance in D6417 and were not accepted by the SP as possible replacements for the current D6417 reference oils.
- Reminder: SP is seeking donation of new D6417 reference oil candidates with results near 5%, 8%, and 11%.
 - Plan to evaluate GF-6 matrix oil as possible.

Request for Volunteer to become SP chair

- I have volunteered to become chair of B.07 next June, replacing Rick Hartman.
- Tom and I are looking for volunteers to step forward as SP chair.
- There is plenty of time for this, but wanted to open opportunity to SP membership before Tom or I would begin to approach individuals.

Specified Daily Check Oil for D5800B

- There has been much discussion on this topic at a previous telecon as well as at the recent ASTM meeting.
- First discussion point: Given ongoing work to improve NCK 5G instruments, do we want to take on this development at this time?

Specified Daily Check Oil for D5800B

- If so:
 - Selection of sample
 - Supplier of VOL12D has agreed to provide eight drums for this work
 - Include only TMC instruments?
 - Number of runs (Last RR: two per instrument, max three instruments)
 - Time to develop data
 - Instrument information
 - Etc. (Can find requested information from last RR)
- Additional discussion?

Additional topics (time permitting)