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Unapproved Minutes of the February 2, 2012 Sequence IV Surveillance Panel Conference Call Meeting

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A copy of the Agenda is included as Attachment 1

The list of attendees is included as Attachment 2.

Minutes from June 1, 2011 Surveillance panel meeting were approved with no changes.

Action Item Review

Motions and Action Items

Action Item Review

3.1 Labs to report engine mount and driveline configuration, including photos, and harmonic balancer information for each test stand to the TMC by 7/1/11. Responses have been received from 4 labs, this item was considered complete.

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3.2 Labs to finalize a maintenance procedure and interval for engine mounts and driveline. Submit a recommendation to the surveillance panel for eballot by 8/1/11. Not complete. Further investigation being done by Southwest Research. The panel recommended that any driveline changes be verified with a successful reference oil test. The panel will continue to address at the next surveillance panel meeting in March. To be revisited at next meeting.

3.3 Surveillance panel members to provide input for the TGC Best Practices in Lubricant Test Development document by 8/1/11 to the panel chairman and the TMC. The chairman will distribute material as it comes in to the panel members for review. A face-to-face meeting for all interested will be scheduled prior to the next panel meeting and input for the document will be compiled for review at the next panel meeting. No input received. Chair reported no input to TGC. The panel agreed to leave this as an open item.

Old Business

One item of old business was a review of the maintenance procedure and interval for engine mounts and driveline. No formal proposal has been made for engine mounts and driveline replacement. Laboratories reviewed their maintenance procedures. This will be reviewed again at the meeting in March, 2012.

New Business

Review of reference oil 1007 and reintroduction of reference oil 1006-2 was undertaken. Only 17 gallons remain at the Test Monitoring Center and the supplier has indicated that a reblend is not possible. Each lab has two tests of oil 1007 remaining. At the June 2011 Surveillance panel meeting, the panel agreed to reset targets for reference oil 1006-2 for subsequent reintroduction of reference oil 1006-2. Southwest and Intertek were to donate 2 tests while Lubrizol was to donate 1 test. A total of 6 tests were donated. There were concerns about the variability of these results and because of a low result (57.8 um) at Southwest, a third test was run at Southwest. There was also high result (160 um) at Intertek. This result was being repeated as well and at the time of the meeting, but there were questions about the oil and Intertek was going to repeat the donated test. A considerable discussion took place regarding what targets to be used. Because of the high variability of the 6 donated tests, many members were uncomfortable using means and standard deviations using the 6 results. Hardware review was also undertaken at this time. Bill Buscher indicated that from 2000 to 2005 cams were primarily a single batch. Since 2007, there been multiple batches in each purchase. With the 2009 and 2010, there appear to be 5 batches in this purchase. It was suggested that perhaps a correction factor might be in order, but the panel felt it would be better to deal with the oil introduction of oil 1006-2 and perhaps deal with the cam batches at some time in the future. Other suggestions included using older target means and other standard deviations. The panel agreed to adopt the following motion:

Motion: Al Lopez, 2d Bill Buscher, Reintroduce reference oil 1006-2 for stand calibration, using the targets of 100.18 = Mean

18.65 = S from the following results:

B1	3B	80991-IVA	20110809	070917A	1006-2	120.24
F	1	84325-IVA	20111002	070917A	1006-2	104.06
A	4	78808-IVA	20111009	NK9X230	1006-2	101.24
A	2A	84565-IVA	20111110	NK9X230	1006-2	75.19

Reduce the stand calibration period by 1/2 for stands calibrated with reference oil 1006-2. Revisit reference oil targets at 10 test. A donated test from Intertek will be included in the 10 test update. Reference oil mix will be reviewed with the targets at 10 tests, the need for subsequent target updates will be determined at that time. This LTMS change is immediate.

9 for,0 against, 2 waives.

Bill indicated that the target data will be reviewed at the face to face meeting during the week of March 26, 2012 or via conference call when 10 tests are obtained on oil 1006-2.

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Bill Buscher will put together a hardware survey to see what components are in short supply and might jeopardize future testing. He will forward to this to the TMC to survey the labs.

The meeting was adjourned at 2:45 pm.

**Sequence IVA Surveillance Panel conference Call
February 2 @ 1:00PM CST**

Call in #: 866-588-1857

Pass Code: 2105226802

Agenda

1.0) Roll Call

2.0) Approval of minutes

2.1) Approve the minutes from the June 1, 2011 Sequence IVA Surveillance Panel meeting.

3.0) Action Item Review

3.1 Labs to report engine mount and driveline configuration, including photos, and harmonic balancer information for each test stand to the TMC by 7/1/11. **Status?**

3.2 Labs to finalize a maintenance procedure and interval for engine mounts and driveline. Submit a recommendation to the surveillance panel for eballot by 8/1/11. **Status?**

3.3 Surveillance panel members to provide input for the TGC Best Practices in Lubricant Test Development document by 8/1/11 to the panel chairman and the TMC. The chairman will distribute material as it comes in to the panel members for review. A face-to-face meeting for all interested will be scheduled prior to the next panel meeting and input for the document will be compiled for review at the next panel meeting. **No input received. Chair reported no input to TGC.**

4.) Old Business

4.1) Review and discuss the maintenance procedure and interval for engine mounts and driveline.

5.) New Business

5.1 Review status of reference oil 1007.

5.2 Review data and statistics for donated run on reference oil 1006-2.

5.2.1 Set initial targets for re-introduction of reference oil 1006-2.

5.3 Discuss observations on severity of camshaft lot NK9X230 and other camshaft lots from the last two Nissan hardware orders.

5.3.1 Determine if further investigation or action is needed on the severity of the camshaft lots from the last two Nissan hardware orders.

5.4 Discuss plans to conduct a survey of all the IVA test labs, so see what there IVA hardware status currently is.

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6.) Next Meeting

Call of the chairman

7.) Meeting Adjourned

List of Attendees

William Buscher	Southwest Research (Voting)
Andy Ritchie	Infineum (Voting)
Doyle Boese	Infineum
Jason Bowden	OHT (Voting)
Matt Bowden	OHT
Jim Carter	J Haltermann (Voting)
Jerry Brys	Lubrizol (Voting)
Greg Seman	Lubrizol
Dave Glaenzer	Afton (Voting)
Todd Dvorak	Afton
Christian Porter	Afton
Al Lopez	Intertek (Voting)
Martin Chadwick	Intertek
Matt Snider	General Motors (Voting)
Tim Caudill	Ashland (Voting)
Mark Sutherland	Orontite (Voting)
Rich Grundza	TMC (Voting)