

ESCIT Meeting Minutes – May 4, 2006

Follow up items.

1. Review all the different phos loss calculation from today's presentations to see how they compare to one another. ESCIT should try to standardize the calculation. LAWm took on this follow up item for the 8/8/06 meeting.
2. Find the SAE number for the 10/2004 paper on phos loss calculation. The paper number is 2004-01-2909.
3. Chairman Engel reminded the group that we need to make a recommendation to ILSAC/OIL by 1Q, 2007.
4. Chairman Engel challenged the group to start reviewing options and coming to a position on what our company position is on a Phos volatility test(s) for GF-5.
5. Please send your presentations to LAWm for posting to the TMC web site. Done, all presentations posted to www.astmtmc.cmu.edu.
6. The next meeting of ESCIT is 8/8/06 at the Toyota Technical Center in Michigan.

Meeting notes.

The meeting was opened at 10:00 am on 5/4/06 in Richmond, VA at the Afton Research Center.

Minutes of the last meeting were approved as posted to www.astmtmc.cmu.edu.

The agenda for today's meeting was reviewed and accepted.

Chairman Engel reviewed the timeline and reminded the group that we need to make a recommendation to LSAC/Oil by the 1Q/2007. Engel also requested that we all start thinking of what test(s) we can accept to measure lube oil formulation impact on emissions system durability.

Presentations:

- a. Eric Olson of Oronite gave a presentation on phosphorus loss from Sequence tests. Eric suggested Oronite would support rate and report requirement in GF-5 for phos loss from a Sequence test. See the TMC web site for Eric's presentation.
- b. Lew Williams of Lubrizol gave a presentation relating phos loss in field trails to Sequence tests. Williams suggested that we could use phos loss in the Seq VG or Seq VIB/VID in GF-5 to evaluate lube oil impact on emissions system durability. See the web site for the complete presentation.
- c. Andy Ritchie of Infineum gave a presentation on phos loss in bench and engine tests. Infineum would like to see elemental limits dropped for GF-5 in favor of a performance based test. See the web site for the complete presentation.

d. Greg Guinther of Afton gave a presentation on phos retention in engine oils is a fired engine test. Afton said we have not seen enough data to say formulating variable impact catalyst durability other than elemental limits. See the web site for the complete report.

e. Scott Ellis of SWRi gave a status report on the SWRi catalyst degradation test development. Work is progressing. SWRi is trying to develop a catalyst durability fired engine test. See the web site for the complete presentation.

f. Ted Selby of Savant report on the PEI test development and results. Ted reported the results of testing at 165 C and compared the results to 250 C. Ted requested real work samples with know catalyst impact data to run in the PEI at 165 and 250 C. See the web site for Ted's complete presentation.

g. Mouchine Kanouni of Ciba gave a presentation on novel Ciba chemistry compared to conventional ZDDP. See the web site for the complete presentation.

The next meeting is 8/8/06 at Toyota in Michigan.

Meeting adjourned at 3:05 pm.

Lew