

**Draft Minutes**  
**ILSAC/OIL MEETING**  
**June 19, 2008**  
**Hyatt Regency Vancouver**  
Vancouver, BC  
CANADA

Bob Olree, Chair

**1. Introduction of Attendees**

Sign-In and Introductions: ILSAC/Oil Chair Bob Olree called the ILSAC/Oil Committee Meeting to order and asked attendees to introduce themselves and sign the committee roster included as Attachment 1.

Review Minutes from April 18 Meeting: There were no changes to the April 18, 2008, ILSAC/Oil minutes.

Membership Changes: No membership changes were reported.

**2. Sequence VID Consortium Update**

Jim Linden briefed the committee on the status of the development of the Sequence VID. His presentation is included as Attachment 2. This presentation was also delivered to the ASTM Passenger Car Engine Oil Classification Panel (PCEOCP) on June 17.

**3. ROBO Update**

Bernie Kinker provided an update on ROBO (see Attachment 3). His presentation described recent steps taken to remedy severity issues, summarized the status of the draft procedure, outlined the plan for round-robin testing, and reviewed the timeline for ASTM balloting of the procedure. Mr. Kinker noted that the ROBO Task Force had conducted informal ballots within the task force and hoped to ask Subcommittee B to issue a ballot before the December 2008 ASTM meeting. This timing would allow Subcommittee B the opportunity to resolve comments at the December meeting.

Mr. Kinker closed by offering some pass/fail limits for consideration by the committee. These are included in his presentation.

**4. GF-5 Emissions Systems Compatibility Improvement Task Force Update**

Hannah Murray reported to the committee that ESCIT recommends the use of the Sequence IIIIGB to measure phosphorus volatility in GF-5 oils. After a brief discussion on the recommendation, Ms. Murray made a motion that ILSAC/Oil accept the IIIIGB for inclusion in GF-5. Kevin Ferrick reported that the API Lubricants Committee was not prepared to vote on the recommendation but would be able to provide a response before the next ILSAC/Oil meeting. ILSAC members voted in favor of the recommendation.

**ACTION: The API Lubricants Committee will consider Ms. Murray's motion to accept the Sequence IIIGB for inclusion in the GF-5 specification. The committee's response will be provided to ILSAC before the next ILSAC/Oil meeting.**

#### **5. ASTM VID Matrix Design Task Force Update**

Jerry Wang reported on the recent efforts of the VID Matrix Design Task Force. His presentation under Attachment 4 provides a summary of the activities of the task force and includes a draft VID precision matrix. Mr. Wang's report also includes a timeline that generated some discussion within the committee. ILSAC/Oil members suggested that an "ASTM acceptance" line be added to the timeline. Mr. Wang agreed to make the adjustment.

**ACTION: Jerry Wang will add an ASTM acceptance line to his VID Matrix Design Task Force timeline.**

#### **6. Draft GF-5 Specification**

Oil-side reaction to draft GF-5 counterproposal: Bob Sutherland delivered the Oil-side response to ILSAC's GF-5 counterproposal. His presentation is included as Attachment 5. Mr. Sutherland thanked ILSAC for the revisions made to the draft GF-5 specification but added that the specification hinged on the development of the Sequence VID test. Comments and suggestions that arose from the discussion on the presentation are summarized below:

- Oil side agreed to the 0.6 mass % sulfur max for 10W-30 oils and an increase in average engine sludge from 7.8 to 8.0.
- Oil side offered a score of 15% max for oil screen clogging. ILSAC planned to discuss the proposal in the near future.

**ACTION: ILSAC will discuss Oil-side's proposal of 15% max oil screen clogging.**

- Oil side continues to have concerns about the use of the HEUI to measure used oil aeration and has no alternative to offer at this time.
- The ASTM ballot on ROBO needs to be issued by December 2008 to keep pace with VID development.
- ILSAC agreed to "no water separation" as the limit for the emulsion retention test.
- Some ILSAC/Oil members expressed concern about the progress within ASTM to review the effect of lowering the foam settling time from 10 minutes to 1 minute. To move this issue toward a resolution, Joe Franklin and Ben Weber suggested that their labs conduct a mini-matrix to determine what effect changing the foam settling time might have. The committee readily accepted Messrs. Franklin and Weber's suggestion.

**ACTION: Intertek and Southwest Research Institute will conduct a mini-matrix to determine what effect changing the foam settling time might have on the current fresh oil foaming test.**

- Oil side proposed that the following sentence be added to the end of the second paragraph of the preamble: It is the intention that this specification will cover the minimum needs for a majority of vehicles. ILSAC will consider the request.

**ACTION: ILSAC will consider Oil-side's request to add a sentence to the second paragraph of the preamble.**

Seals compatibility: Gail Evans reported that a Seals Compatibility Task Force had been formed and work was under way. Kevin Ferrick added that Robert Stockwell had agreed to participate on the task force on behalf of the oil marketers.

Next steps: Ron Romano presented the committee with the latest version of the draft GF-5 specification (see Attachment 6). Several items are worth noting:

- ILSAC has agreed to a phosphorus maximum of 0.08, but this is contingent on the use of the Sequence IIIIGB to measure phosphorus volatility and a phosphorus retention score of 85%.
- The latest version of GF-5 includes the 0.6 sulfur maximum for 10W-30 oils.
- ILSAC removed the additional rust protection test (ASTM D1748).

## **7. GF-5 Timeline**

Ben Weber presented a revised timeline for consideration by the committee. This revision is included as Attachment 7.

## **8. Next Meeting**

The ILSAC/Oil Committee will meet from 8:30 a.m. to 2:00 p.m. on Wednesday, September 3, in Detroit.