

**ASTM Section D02.B07  
Engine Oil Volatility Test Surveillance Panel**

**Minutes of the D5800B Test Method Workshop  
Held at the PAC Facility in Houston, TX on January 30-31, 2013**

At the direction of the D02.B07 Volatility Surveillance Panel, a D5800B test method workshop was held at the PAC facility in Houston, TX on January 30<sup>th</sup> and 31<sup>st</sup>, 2013. The SP chair and all attendees thank PAC for their gracious hospitality in hosting this workshop.

The goal of the workshop was to improve the D5800 Procedure B test precision and severity by increasing operational conformity among the users of the method and discussing ambiguities in the procedure.

The following people were in attendance at the workshop:

Dennis Gaal (ExxonMobil, SP chair)  
Tom Schofield (ASTM Test Monitoring Center)  
Sandra Chirk (PAC)  
Mike Birke (Southwest Research Institute)  
Mike Holzer (Southwest Research Institute)  
Grant Hutchinson (Lubrizol Corporation)  
Allen Thomas (ExxonMobil)  
Keith Akers (ExxonMobil)  
Derrick Morast (ExxonMobil)  
Steve Robinson (ExxonMobil)  
Yvette Mauricia (Chevron)  
James Mason (Chevron)  
Johnetta Farmer (Motiva)  
Jack Lloyd (Motiva)  
Jimmy Withers (ExxonMobil)  
John Ferguson (Shell)  
Matt Schlaff (Intertek)  
Adriana Serrata (Intertek)  
Bert Thakkar (Imperial Oil Ltd.)

The workshop began on the morning of January 30<sup>th</sup> with a presentation (Attachment 1) by Dennis Gaal, reviewing the workshop agenda, the ASTM antitrust and recording policies, and

the purpose for the workshop. The remainder of the presentation detailed the ongoing severity trend seen in the D5800 test monitoring.

The next presentation (Attachment 2) by Dennis Gaal reviewed the best practices from the 2002 workshop as well as the findings from the 2012 industry survey. The presentation led to vigorous discussion among the workshop participants about procedural questions and best practices.

Prior to lunch, the participants moved to the PAC lab to start two D5800B tests on ISL NCK2 5G instruments. There was much discussion among the participants on best practices for weighing, loading, and operating the instruments.

Following lunch, the first two tests were completed. The results were within reproducibility of each other and within the stated limits for the reference oil. A third test was then started for comparison with the results from the first two tests.

While the third test was running, Sandra Chirk of PAC made a presentation (Attachment 3) on the ISL NCK product development, highlighting the importance of proper airflow in the test method. As with the other presentations, there was active discussion about the points raised in this presentation.

Following the completion of the third test, which was within reproducibility to the other two results, the workshop was adjourned for the day.

The workshop resumed the morning of January 31<sup>st</sup> with a presentation (Attachment 4) by Dennis Gaal covering the ASTM policies as well as the next steps for the round robin test program to develop new D5800 reference oils. The majority of the morning was spent in discussion among the workshop participants to develop a comprehensive list of best practices and action items from the workshop (Attachment 5). The action items were assigned to the relevant workshop participants for action to be taken following the workshop. These activities will be monitored through the D02.B07 Volatility Surveillance Panel.

Respectfully submitted on April 22, 2013,

Dennis Gaal



Attachment 1 - Day



Attachment 2 -



Attachment 3 - PAC



Attachment 4 - Day



Attachment 5 -

1 Introductions, Ager Review of previous le ISL development.pdf 2 Agenda, round robi Workshop best practi