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**7B.8, Task Group on Ninety-Cycle Shear Stability (NCSS)  
Report to Heavy Duty Engine Oil Classification Panel  
7 December 2004**

The 90-Cycle Shear Stability Method has been approved and published as ASTM D 7109-04. This version has a preliminary precision statement.

Revision to add a full precision statement will be submitted for the first Subcommittee 7 ballot of 2005, followed by Committee ballot. The Round Robin will be complete in time. Interim analysis of the data submitted to-date is not being circulated to avoid influencing those labs yet to submit. Preliminary analysis suggests precision for the various parameters, compared to other methods, is:

- Precision for Kinematic Viscosity is higher than D 445
- Precision for Viscosity Loss at 30 Cycles is similar to D 6278
- Precision for Viscosity Loss at 90 Cycles is similar to D 7109-04
- Precision for HTHS Viscosity is higher than D 4683
- Precision for Viscosity Loss at HTHS cannot be compared to previous methods

Respectfully submitted,

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