

PERFORMANCE TESTS

Sequence VID

SCOPE

The Sequence VIB test, used to determine the engine oil effect on fuel economy, will be replaced with the Sequence VID test for GF-5. A Consortium was formed to oversee development and provide funding for development of the new test and comprises:

- ▶ Five additive companies
 - Infineum, Afton Chemical, Lubrizol, Oronite, R.T. Vanderbilt
- ▶ Three oil companies
 - Chevron, ExxonMobil, Shell
- ▶ Two automotive companies
 - General Motors, Ford

STATUS

Engine mapping tests have been run in the proposed VID engine (GM 3.6L HFV6) using a subset of the FTP Matrix Oils. Preliminary testing suggests that the engine can

- ▶ Observationally discriminate between oils of different viscosity grades
- ▶ Can statistically discriminate between oils containing or not containing a friction modifier
- ▶ Observationally discriminate between 'fresh' and vehicle-aged oil

This updated VID timeline was released at the January 23, 2008 ILSAC/Oil meeting –

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Stage 2 Review	█										
Aging Conditions	█	█	█								
Stage Matrix - I to IV	█	█	█	█	█	█					
Stage 3 Review							█				
Prove-out - Matrix V							█	█			
Stage 4 Review								█			
Complete Precision Matrix									█	█	█

The next public update is slated for the ASTM PCEOCP meeting on June 17, 2008 in Vancouver, British Columbia.