

ASTM HDEOCP Shear Stability and Used Oil HTHS Viscosity Task Group

April 1, 2003

Meetings

- Teleconference March 20
- Full Meeting April 1

Summary of Progress - 1

- Matrix Design Proposal
 - 8 15W-40 oils
 - One base oil – XOM Am core-common source
 - Blend targets agreed
 - VM SSI ranging from 10-37
 - 1 to 4 additional 10W-40
 - At discretion of supplier to supply
 - EHC base oil
 - To measure
 - KO at 30,60,90,120,150 cycles
 - Used oil HTHS Visc. on used oil samples
 - Base blend viscosity with VII diluent included

Summary of Progress - 2

- First Stage Testing Proposal
 - International 6.0L
 - Vehicle based
 - Approximate conditions
 - 1-2 trucks
 - 3000-3500 mile test duration
 - Road or MAD
 - Cost anticipated to be ~\$5000 including analysis.

Issues

- Desire to expand scope beyond only 6.0L
 - Proposal to follow initial 6.0L work with confirmation testing in another engine (to be determined)
- Funding: ACC to revert by end of April with final decision on use of individual or industry funding.

HTHTS Viscosity Measurement

- Used oil HTHS viscosity will be measured during shear stability field testing
- Further definition of deliverables to be clarified in future meeting