Shear Stability Task Group

January 15, 2013 Teleconference

Meeting Minutes

Attendees:

Bob Duggal X

Mike Covitch X

Bob Salgueiro X

Heather DeBaun X

Sean Moyer X

Pat Fetterman X

Rick Klein X

Jim Linden X

John Yu X

Dan Arcy X

Mike Birke X

Jason Anderson X

Chris Castanien X

Doyle Base X

Roger Gault X

Eric Johnson X

Kwame Duho X

ALLISON ATTHEY X

Mesfin Belay X

All five oils were received for the Infineum field test. Bob Salguiero reported that all drums received. One drum had a pin hole leak. Not much was lost (1 quart to 1 gallon). Given the timing, it was decided to keep the oil. The oils should be received at the test site by the end of this week. The trucks that will be used are typical. Average fuel dilution of one group is less than 4% with no peaks over 4%. Running two trucks per test oil. The other group has an average fuel dilution of 4% with

peaks over 4%. Expect to take 4 months to collect data. Should be able to report at the June ASTM D02 meeting.

Infineum will measure fuel dilution by GC, viscosity and HTHS. This fleet is one that shears oils.

0, 7.5K, 15K,25K and 35K oil samples with drain at 35K.

The group would like to see the data on the oils submitted for testing. ACTION ITEM: Collect data to support performance of the 5 oils submitted for testing. The team would like to see the data all together.

Mike Covitch from Lubrizol presented HTHS data of used oils. Slide two is data from different engines in a field test. All except 1 oil are 15W-50. Most oils start with an HTHS of 4.2 and drop to 3.75. The largest drop was in the CAT C13 to 3.5.

The C13 data slide showed fuel dilution measured as high as 3%. The data is not from the same truck. No fuel dilution data on the other HTHS samples. EMA asked if there is something that accentuates fuel dilution, like removing soot? The group would like to review the fuel dilution and shear data again on the 5 oils submitted for testing.

ACTION ITEM: Infineum will look at past data of dilution and HTHS.

Next meeting: February 26 at 1:00pm CST