

Shear Stability Task Group
March 15, 2012 Teleconference
Meeting Minutes

Attendees:

Bob Duggal

Mike Covitch

Roger Gault

Doyle Base

Kwame Duho

Bob Salgueiro

Heather DeBaun

Chris Castanien

Jerry Wang

Mike Birke

Shawn Whitacre

Jim Linden

Michael Alessi

Mesfin Belay

Bob Duggal provided a list of potential bench tests and reviewed the tests during the teleconference. The group would like to understand the relative severity of the tests and Bob offered to add more information on the severity of each test.

EMA request for oil samples and data: Several member companies have some examples (at least three) of oils that shear out of grade. How should we handle sample collection and distribution? Will TMC support this?

The group reviewed data from Cummins. The plot of viscosity versus oil hours showed the viscosity dropped to ~12cSt at 750 hours from a fresh oil viscosity of 15.1cSt.

Roger Gault and Heather DeBaun should meet with Frank Farber to ask if TMC will distribute the oil. Chris Castanian will ask Frank to contact us.

Mike Birke from SWRI is willing to distribute the oil, if needed, and will provide testing.

There is a desire from the group to collect used oil as well as new oil for evaluation.

The team should come up with a list of what we should run: a test plan. Mike Birke recommended throwing out the Sonic Shear tests as they are not severe. The group agreed.

Labs that have offered to run the tests:

1. SWRI
2. Lubrizol
3. Afton
4. Infineum

How many oils do we need? At a minimum, 2 to 3 and 2 shear out of grade and 2 that do not shear out of grade are even better. There is no need to limit the maximum number of oils.

Test plan: Kurt Orbahn (KO) is less severe than the KRL. There are really only two tests that we have today: KO and KRL. We can vary duration.

Action item: form a small group to determine test plan

Next group meeting: 4/16/12 at 1:00pm CST