

Shear Stability Task Group
November 13, 2012 Teleconference
Meeting Minutes

Attendees:

Bob Duggal X

Mike Covitch X

Bob Salgueiro X

Heather DeBaun X

Sean Moyer X

John Loop X

Mike Alessi X

Joe Franklin X

Carrie Sims X

Jim Linden X

Jason Anderson X

Alan Flamberg X

Roger Gault X

Bob Salguiero reviewed the data analyzed by a statistician (Doyle Base). Some items of note:

- Oils A&B: KRL is out of grade and KO is in grade but EMA experience shows them out of grade.
- Oils C: All tests were in grade and was within EMA expectations

For all oils, KRL reproducibility is 3X higher than KO.

Correlation Matrix: 3 KO tests are highly correlated. 2 KRL tests are highly correlated. The two tests are not correlated to each other. Thus they are measuring different things.ear loss as a % of viscosity grade suggests poor discrimination of KRL.

Summary: KRL shows high variability and poor discrimination.

Status of field test oils: No oils yet received at TMC. 4 of the 5 oils are on the way to TMC.

Is there sufficient evidence to discount the KRL test and just focus on KO?

Mike Covitch: since we already collected this data, we can wait for the judgement. What if the field test does not correlate with EMA perception? There is no need to discount this today. HTHS after shear – have the data for KO90. Nothing shears out of grade. The lowest was 3.8cP.

John Loop – Lubrizol runs field tests of CJ-4 oils in 2007-2010 emissions MY. At the end of the drain, they sometimes run HTHS of used oil. HTHS = 3.8 – 4.2 at end of drain for 15W-40 oils and can go up. 3.5-3.6 initial HTHS (10W-30) saw decrease to 3.1-3.2. Most engines do not see loss of HTHS viscosity. Do not see below 3.5cP often and not in conjunction with the loss of KV.

Next meeting: 1/15/13 at 1:00pm CST