

## Jeff Clark

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**From:** Jeff Clark  
**Sent:** Thursday, February 17, 2011 1:40 PM  
**To:** Cooper, Mark (MAWC); Abi-Akar, Hind; Alessi, Michael; Bishop, Zack; Doyle.Boese@Infineum.com; Bond, Stacy; ronald.brock@us.mahle.com; Buck, Ron; Budd, Arnel; Buscher, Bill; Campbell, Bob; Carabell, Kevin (kedc) (KCarabell); bradley.carter@intertek.com; Carter, James; Castanien, Chris; Conti, Riccardo; Devlin, Cathy; Fetterman, Pat; Franklin, Joe (Intertek); Garzelloni, Eric; Goshorn, Ken; Rich Grundza; Gutzwiller, Jim; Haeglin, John (Intertek); Hamilton, Jesse; Johnson, Ryan; Jones, Ron; Kennedy, Steve; Kersey, Victor; Larch, Bill; Lu, WenTong; Matasic, Jim; McGeehan, James; Menasco, Michael (ENAS); Miiller, Greg; Minotti, Michael; Moritz, Jim (Intertek); Nann, Norbert; Parsons, Gary; Passut, Charlie; Patrick, Dick; Polley, Kris; Pridemore, Dan; Rajakumar, Allison; Richards, Scott M. (srichards) (SwRI); Ritchie, Andrew; Rutherford, Jim (JARU); Rele, ter, Ruud (RUUD); Selby, Keith; Shank, Greg; Sztenderowicz, Mark; Urbanak, Matt; Van Dam, Wim (WVDA); Weber, Ben; Wingfield, Tom M; Xie, JingChun; Jeff Clark  
**Subject:** Mack Surveillance Panel Teleconference Minutes - February 17, 2011

Attendance - Jeff Clark, Mark Cooper, Riccardo Conti, Kevin Carabell, Jim Rutherford, Scott Richards, Jim Matasic, Pat Fetterman, Bob Campbell, Jim Mortiz, Brad Carter, Zack Bishop, Mike Alessi, Chris Castanien, Jim Gutzwiller, Greg Shank, Ken Goshorn, Tom Wingfield

### T-12 Bearings

Mack obtained 1800 bearings that have been forwarded to TEI. Ken Goshorn took the bearings (22-48 micro finish) from the system inventory. This batch appears reasonably uniform. Another 1600 - 1800 have been made, but their whereabouts in the inventory system are unknown. General feedback from Mahle was that we can't expect those or any future batches to be different from those that were shipped to TEI.

Lubrizol will conduct a metrology review and dimensional analysis on the new (W batch) bearings.

Discussion moved on to how to introduce the new bearing batch. General understanding was that once the panel believes the bearings are ready to be run and they are in place at the labs, the panel will then terminate all stand calibration extensions (specifying the date the extensions expire). Stands that took extensions must then immediately (allowing for currently running tests to finish and engines to be rebuilt) run a reference on the new bearings.

The panel will wait for the bearing analysis to be available and will meet again to decide if we are going forward.

### T-8 Liners

Intertek completed a reference on the Kusalava liners. Jim Moritz stated that oil consumption seems to be higher, close to the limit. The filters also plugged up and after a filter change, the vis did not increase. The test missed the RV48 reference limits. SwRI has also referenced with the new liners. It was also noted that both tests were on PC-9-HS. Scott Richards stated that he believed the oil consumption issue may pre-date the liner change. After discussion, it was moved (Mortiz, Richards) to use T-11 hardware for all future T-8 builds. The motion passed 8-0-2.

### T-11 Tests on PC-9-HS

Discussion took place on how to handle the data regarding SA's, CF's, etc. At the conclusion of a long discussion, it was decided that further data review is necessary to examine if certain tests can potentially be removed from the control charts in the hopes

of making lab SA's more accurate. Jim Rutherford will provide the analysis for our next call.

Next meeting is tentatively set for Monday, February 28th, 10:30 a.m. Eastern time.