

CAT Aeration Test Task Force meeting Sep 10, 2014

Proveout Matrix Plan

Attendees: Names Highlighted in **Yellow** attended the meeting

Participant	Name	Email	
1 Yes	Caroline Laufer Elisa Santos Pat Fetterman James Gutzwiller Bob Salgueiro	caroline.laufer@infineum.com elisa.santos@infineum.com pat.fetterman@infineum.com james.gutzwiller@infineum.com bob.salgueiro@infineum.com	Infineum
5 Waive	Jeff Clark Sean Moyer	jac@astmtmc.cmu.edu sam@astmtmc.cmu.edu	TMC
6 Waive	Zack Bishop Dan Lancott	zbishop@tei-net.com dlancott@tei-net.com	TEI
7 Waive	Jason Bowden Matt Bowden	jhbowden@ohtech.com	OHT
8 Yes	Mark Jarrett Hind Abi-Akar	jarrett_mark_w@cat.com abi-akar_hind@cat.com	Caterpillar
10 No (need to see LAD at LZ)	Greg Miranda, Kevin O'Mally Chris Mileti Michael Conrad	greg.miranda@lubrizol.com Kevin.OMalley@lubrizol.com Christopher.Mileti@Lubrizol.com	Lubrizol
11 waive (Box results and HA and d1005)	Bob Campbell Christian Porter	bob.campbell@aftonchemical.com	Afton
12 yes	James McCord Martin Thompson	jmccord@swri.org martin.thompson@swri.org	SWRI
14 yes	Timothy Griffin Jim Moritz Adam Roig	tim.griffin@intertek.com jim.moritz@intertek.com	Intertek
16 waive (T effect verification, Si RR)	Jim Rutherford Mark Cooper	jaru@chevron.com MAWC@chevron.com	Chevron
18 yes	Mike Alessi Ricardo Conti	michael.l.alessi@exxonmobil.com	ExxonMobil
19 Waive	Barb Goodrich	GoodrichBarbaraE@JohnDeere.com	John Deere
20 yes	Greg Shank	greg.shank@volvo.com	Volvo
21 Yes (review before start)	Dan Arcy	Dan.arcy@shell.com	Shell

Test plan update, 4 Sep 2014

Lab	Test 0	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	Test 7
A	LZ oil (OS)	HA	1005	HA	1005	LZ oil start Thurs	LAD1	1005/1004?
B	LZ oil (OS)	HA	1005	HA – Start Friday	LZ oil	LAD1	Obtain info on insulation box - validate	
C	LZ oil (OS) Hi Si	1005	HA	1005-start Thurs	LZ oil	LZ oil*	LAD1	

Done by NCDT meeting

Done since NCDT meeting

*: different batch

Update:

Lubrizol will start the LAD1 test today (Wednesday). Will work to have data available early next week.

Enclosure Box for Temperature control:

Discussion: this group has to evaluate the data after the box built prior to the Matrix testing

This may not preclude the recommendations by the TF

Martin: can run a series of temperatures and show aeration results

If the matrix has to run using this box, then data should be discussed in this TF and then determination can be

TF recommend to the NCDT that the test is Matrix ready?

Vote:

Waive: 6

No: 1

Yes: 7

Motion passes (details in table below)

Have to define:

Design and Temperature of the box

Three labs: Conduct enclosure box shake down data

TF: Review temperature control shakedown data for the system enclosure. Determine the allowable fluctuation of the temperature after the box is built?

Discussion: should one aeration test be run with the enclosure at the three labs and results compared to previous data

Discussion: SWRI: If no significant change, then no need to run a full test.

Voting details:

Yes	Infineum
Waive	TMC
Waive	TEI
Waive	OHT
Yes	Caterpillar
No: need to run LAD1 oil at LZ and compile results with current data	Lubrizol
waive: Need to build and test enclosure box and temperature effect and better understand HA and 1005 oil results	Afton
yes	SWRI
yes	Intertek
Waive : T effect verification, Si testing Round Robin)	Chevron
18 yes	ExxonMobil
19 Waive (same reasons as above)	John Deere
20 yes	Volvo
21 Yes: asked to review data before start of Matrix	Shell