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## Unapproved minutes of the ASTM Cummins ISB Test Development Task Force Teleconference call on July 20th, 2004

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**Call to Order:** Mark Sarlo called the meeting to order at 02:00 PM EDT.

**Review of Agenda:** *Attachment 1* shows a copy of the meeting agenda.

**Review of Membership:** The current official membership list for the ISB Test Development Task Force is as follows:

NAME	COMPANY
Mark K Sarlo – Chairman	Southwest Research Institute
Joseph Huang – Secretary	Valvoline
Warren Totten	Cummins
Riccardo Conti	ExxonMobil
Jim Matasic	Lubrizol
Jeff Clark	TMC
Greg Shank	Mack/Volvo
Jim Moritz	PerkinElmer
Bob Campbell	Ethyl
Mark Cooper	Chevron Oronite
Ron Buck	TEI
Pat Fetterman	Infineum

The following members were present at the conference call: Mark Sarlo, Joseph Huang, Dan Nyman, Riccardo Conti, Jim Matasic, Jeff Clark, Jim Moritz, John Haegelin, Bob Campbell, Ron Buck, Jim Gutzwiller, Pat Fetterman, Nancy Diggs, and Mark Cooper.

### Old Business

**Status of Engine Installation:**

SwRI is debugging program, and finishing the correct oil pan w/ measurements. The stand is operational, and working on the communication w/ the ECM.

Ashland stand is operational. Haven't installed the external oil cooling system, nor the oil adder system. The Inline I adapter is the old version, so will have to purchase the current Inline II adapter w/ the newest firmware.

Mobil is preparing engine, but still waiting for the dynamometer to arrive. The 3936822 flywheel is not available, so will be using the 3936821 flywheel.

LZ is installing the stand. Approximately 2 weeks from finishing stand installation. Also cannot get the 3936822 flywheel, so will be using the 3936821 flywheel.

PE is modifying the new oil pan, and connecting the external oil system. Should be up and running tomorrow (7/21).

Ethyl is unchanged from last conference call.

**Alternate cam profile measurement method to replace Adcole:**

No new update.

**Update on batch of oil filters for kits at TEI:**

Fleetguard will provide 108 hand pleated filters, each with 47-48 pleats and 428.5 in<sup>2</sup> media. The basic filter will be similar to what is used on the M11 test, with no wire mesh. Motion to accept the batch of filters was approved by general consensus.

**E2M file sent out for NGET:**

The E2M file has been received, but not yet tested.

**Typical NGET parameter layout file (presently used on ISM):**

This is a good starting point.

**Getting the ISB ECM to communicate with the Inline II adapter:**

Dan Nyman, Cummins, and Mark Sarlo, SwRI, will get together and work this issue out. As a reminder, the part number for the Inline II adapter is 3163095.

**New Business****Oil pan fittings for external oil adder system:**

The engine is to be charged with 14.5 kg of oil. Of that, 2.6 kg is in the external oil adder system. At proper operating temperature, the volume is approximately 3.2 quarts.

**Open Discussion:**

It was recommended that a baffle plate be installed near the external oil adder suction line to minimize oil turbulence.

**Future Meetings:** The next meeting will be held on July 27th, at 1 PM CST/2 PM EDT. Dan or Warren will secure a phone number.

**Adjournment:** The meeting was adjourned approximately 2:45 PM EDT.

For comments or questions regarding the minutes, please feel free to contact:

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# ATTACHMENT 1

Cummins 5.9L ISB  
Conference Call, July 20, 2004  
1-2:00 p.m., CST, 2-3:00 p.m. EST  
812-377-6118

## Proposed Topics

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Old Business:

Update of progress at each lab (All)  
Alternate cam profile measurement method to  
replace Adcole (LZ)  
Update on batch of oil filters for kits at  
TEI (Cummins)  
E2M file sent out for NGET (SwRI)  
Typical NGET parameter layout file (presently  
used on ISM)  
Getting the ISB ECM to communicate with the  
Inline II adapter.

## New Business

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Oil pan fittings for external oil adder  
system (SwRI)  
Open?????

Next conference call, July 27, 2004 at 1-2:00  
PM CST, 2-3:00 PM EST

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