

# CAT Surveillance Panel Conference Call

## 4/27/2012

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### **Attendance**

Addison Schweitzer - SwRI  
Martin Thompson - SwRI  
Beth Sebright - CAT  
Bill Larch - Lubrizol  
Bob Campbell - AFTON  
Doyle Boese - Infineum  
Brad Carter - Intertek  
Chris Castanien - Lubrizol  
Hind Abi-Akar - CAT  
Jason Bowden - OHTechnology  
Jeff Clark - TMC  
Jim Gutzwiller - Infineum  
Jim Rutherford - Oronite  
Mark Sutherland - Oronite  
Matt Bowden - OHTechnology  
Mike Griggs - Lubrizol  
Sean Moyer - TMC  
Zack Bishop - TEI

### **Meeting Minutes:**

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#### **Membership change:**

Martin Thompson replaces Addison Schweitzer as secretary  
TMC representative Shawn Moyer

#### **Discussion Items:**

##### **Item 1.**

The Oil Consumption units for 1K and 1N using ASTM method D4485-08 has previously been reported in g/kW-h but in D4485-09 changed to g/MJ.

CTS questioned g/MJ because results are easier for user if the test report units match the method.

Currently the units are being reported in the historic g/kW-h units, but ASTM edict says all items should be published in proper SI units. Despite move to SI "proper" units, g/kW-h is recognized by industry as a proper unit and has a history of common use.

In order to prevent future confusion it was proposed to have both units shown on the test report with g/kWh as primary unit

Note: The unit sometimes is shown as g/kW-h but this may be improper notation due to the hyphen resembling a minus sign.

Conversion between units can cause misleading for pass fail level and precision. It needs to be assured that there is no actual change between converting the values regardless of units used.

An example of potential confusion was noted:

The current pass rate of 0.54 g/kWh rounds to 0.5 and this was converted back to g/MJ to be .139. If it is not rounded first it will convert to .15

Proposed to have the old units used as primary with g/MJ shown secondarily. Limits will remain in g/kWh.

**Motion:**

Jim Gutzwiller will write a letter to subcommittee B to request that g/kWh to be used as primary unit. If it must be shown in g/MJ then it should be in parentheses secondarily to g/kWh.

**Motion Made:**

**Motion seconded by Hind**

**Without objection:**

**Letter will be draft by Jim Gutzwiller**

**Item 2.**

1k-1n Liner 3998 shortage issue

1K and 1N tests are currently short on test specific cylinder liners 3998

A new batch was intended to be completed by end of March, but CAT stated they are just now being machined. The batch completion is now forecast to be sent out to the testing labs near the end of May 2012.

Current stock was discussed as follows.

Afton is very close to being out of liners.

SWRI is near single digit liners.

Brad Carter (Intertek) is in single digits for 1k liners and is just now referencing and has a back log of tests so is not willing to part with liners and would like a reference extension.

TMC noted that the next reference period will be shortened by the extension if one is taken. So it is not favorable for labs without parts to take extension.

**Motion proposed by Brad Carter:**

Due to a parts shortage for 1K 1N Liner 3998, if a lab chooses to request a reference extension due to this shortage, the duration of the extension period will be deducted from the subsequent reference period as per current subcommittee B rules.

Second by Jim Gutzwiller

SWRI - wave

Bob Campbell - yes

Brad Carter – yes

Lubrizol – yes

CAT – wave

Jeff Bowden – yes

TMC – wave

Mark Sutherland – yes

TEI – wave

**Motioned approved to allow extensions.**

It was pointed out that 100 liners are being made for this batch.

**New business:**

**Item 3.**

1005-3 reference oil is getting critically low and cannot be re blended by suppliers.

Multiple tests are using this reference oil and it was noted that the T8 uses a very large amount per reference.

The reference oil availability was listed by TMC as follows.

809 – Still available

810 - out

811 – Still available

1005 – 3 <400 gallons at TMC and ~180 gallons at the testing labs (semi-annual inventory report showed of 558 at TMC and 251 in lab) with these volumes, TMC believes there is less than 1 year left for reference oil 1005-3 supply

TMC iterates urgency of this stock pile. This will be discussed further in San Antonio during the NCDT meeting 5/2/2012

It was noted that this issue should involve the MACK surveillance panel or a joint conference call after in May or early June.

There was a period of strong discussion over right path of notifying ACC of the shortage. This discussion resulted in a consensus to have Jim Gutzwiller draft a letter to notify the industry of the impending shortage and its importance.

It should be noted that TMC has released this information previously in the executive summary recently, and last fall.

It was noted that this point has been discussed several times and in the past has ended when the discussion led to replacing the T8 with the T11 and getting a new reference oil blended.

**Item 4.**

Transition of 1R from PC-9 to PC-9HS fuel

Numerous other tests including the 1P and 1N have been converted to PC-9HS

No current calibrated 1R test stands in the industry. This is due to no client candidate demand.

**Motion by Jeff Clark and TMC:**

To convert the 1R test procedure to use PC-9HS fuel.

SWRI Second

Call to vote.

Intertek – waves

**None against**

**Motion Passed.** 1R will move to PC-9HS

Meeting adjourned at 12:24