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**Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS**

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Reply to:

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6555 Penn Avenue  
Pittsburgh, PA 15206

September 21, 2005

To: Single Cylinder Diesel Surveillance Panel

Enclosed are the minutes of the SCOTE Surveillance panel meeting held September 8, 2005 in Richmond Virginia. Please address any corrections during the time allotted for minutes approval at the next meeting.

Scott Parke  
Secretary SCOTE Surveillance Panel

Attachments

cc: <ftp://ftp.astmtmc.cmu.edu/docs/diesel/scote/minutes/MEETING%202005-09-08.pdf>

distribution: Email

## MEETING MINUTES

### SINGLE CYLINDER DIESEL SURVEILLANCE PANEL

HELD SEPTEMBER 8, 2005  
AFTON CHEMICAL  
RICHMOND, VIRGINIA

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#### **appx 10:20 CALL TO ORDER**

Chairman Jim McCord (Southwest Research) called the meeting to order during a break in the C-13 Development meeting at approximately 10:20; the participants are listed in attachment 1.

#### **appx 10:21 NEW 1P LINER SUPPLY**

Chuck Dutart (Caterpillar, participating via speakerphone) reported that the new source 1P liners have been experiencing problems with graphite pullout but he expects that it will be resolved.

#### **appx 10:25 1P THRUST BEARING CHANGE**

Chuck Dutart reported that a new 1P thrust bearing has been introduced. The copper level in the new part is lower and the hardness is higher. Procedural requirements are already in place to address the introduction of new copper parts into an engine so this change is not expected to create any problems.

#### **appx 10:30 1P/1R OIL FILTER**

Chuck Dutart reported that a new source of 1P/1R oil filters has been introduced under the existing part number. The new part has slightly larger volume than the old part. The panel briefly discussed whether or not any changes were necessary to compensate for the volume change but ultimately decided that there were enough other sources of oil system variability (weigh tank line length, for instance) to make any action unnecessary.

#### **appx 10:35 PRODUCTION 1M-PC LINERS (5H-5657)**

Chuck Dutart reported that due to a recent upswing in demand, new production of 5H-5657 liners is now available. Bob Campbell (Afton) asked Chuck if any of the new batch of 5H-5657 liners have been inspected by Cat to see how they compare to the old batch of 5H-5657. Chuck said that they had not owing to the fact Cat has no exemplars of old-batch 5H-5657 as a basis of comparison. Jim McCord said that he plans to procure a new 5H-5657 to do his own comparison before taking any action. Jim surveyed the panel for an estimate of future demand for 1M-PC. The sense of the panel was that it should remain unchanged for at least the next year.

#### **appx 10:45 1N INDUSTRY CORRECTION/NEW LINER ANALYSIS**

Since the panel's last discussion on the topic, 2 more 1N tests have been reported. Both used the new dyed PC-9 fuel. Jim McCord asked Scott Parke (TMC) if the additional data has changed any

of the conclusions of the previous analysis. Scott reported that the data from these tests appears unremarkable but that he has not re-performed the full analysis. Given the struggles the panel has had getting a good grasp of the performance shift caused by the 1Y-3998 liners, Scott asked that the chairman formally request assistance from the industry statisticians. Phil Scinto and Jim Rutherford have both performed analysis in addition to Scott's but none of those analyses addressed the panel's concerns adequately. Elisa Santos (Infineum) is currently the statistician charged by industry with analyzing Caterpillar data for the PC-10 matrix and so was asked to take on this analysis as well. She agreed to try to have something put together for a conference call the last week of September.

#### **appx 10:55 1P REFERENCING REQUIREMENTS**

Jim McCord asked the panel to consider whether or not stand referencing requirements should be changed particularly as they regard stands that have seen lapses in their activity. He was puzzled that some stands with lapses in activity require two runs to calibrate while others require only one. Scott Parke explained that the requirement was determined by the duration of the inactivity; generally, stands inactive for more than two calibration periods require two runs to re-enter the system. Jim said that he didn't expect any action at this meeting but he wanted to raise the issue to "get (the panel members) thinking about it."

#### **appx 11:00 ADJOURNMENT AND NEXT MEETING**

Chairman Jim McCord will call a teleconference the last week of September to discuss updated 1N liner analysis. Business concluded, Jim adjourned the meeting at approximately 11:00.

C13 TDTF ATTENDANCE SHEET		
MEETING:	09/08/05 Richmond	
NAME	COMPANY	PRESENT
Bob Campbell	Afton	<i>PLC</i>
Cathy Develyn	Afton	<i>—</i>
Rebecca Yates	Castrol	
Richard Butcher	Castrol	
Abdul Cassim	Caterpillar	<i>H Cassim</i>
Chuck Dutart	Caterpillar	<i>Phone.</i>
Jim McGeehan	Chevron Texaco	
Riccardo Conti	Exxon Mobil	<i>R. C.</i>
Steve Jetter	Exxon Mobil	<i>svj</i>
Jim Gutzwiller	Infineum	<i>JG</i>
Pat Fetterman	Infineum	
Dave Duncan	Lubrizol	
Mike Griggs	Lubrizol	
Jason Bowden	OHT	
Mark Sutherland	Oronite	<i>MS</i>
Brad Carter	Perkin Elmer	
Chris Mazuca	Perkin Elmer	
Tom Franklin	Perkin Elmer	
Jim McCord	SRI	
Jim Wells	SRI	
Ron Buck	TEI	<i>RB</i>
Jeff Clark	TMC	<i>J Clark</i>
Jim Rutherford	Chevron Oronite	<i>JR</i>
Phil Scinto	Lubrizol	
Elisa Santos	Infineum	
WIM VAN DAM	CHEVRON ORONITE	<i>WVD</i>
SCOTT PACE	ASTM TMC	<i>SP</i>

Phone CHUCK DUTART CATERPILLAR

C13 TDTF ATTENDANCE SHEET		
MEETING:		09/08/05 Richmond
NAME	COMPANY	PRESENT
Bob Campbell	Afton	RLC
Cathy <del>Dorothy</del> Deulin	Afton	
Rebecca Yates	Castrol	
Richard Butcher	Castrol	
Abdul Cassim	Caterpillar	
Chuck Dutart	Caterpillar	
Jim McGeehan	Chevron Texaco	
Riccardo Conti	Exxon Mobil	P.C.
Steve Jetter	Exxon Mobil	Sam
Jim Gutzwiller	Infineum	JG
Pat Fetterman	Infineum	
Dave Duncan	Lubrizol	
Mike Griggs	Lubrizol	MG
Jason Bowden	OHT	
Mark Sutherland	Oronite	M.S.
Brad Carter	Perkin Elmer	
Chris Mazuca	Perkin Elmer	CM
Tom Franklin	Perkin Elmer	
Jim McCord	SRI	JM
Jim Wells	SRI	
Ron Buck	TEI	RB
Jeff Clark	TMC	JAC
Jim Rutherford	Chevron Oronite	
Phil Scinto	Lubrizol	
Elisa Santos	Infineum	ES
Joe Franklin	Perkin Elmer	JF
Scott Parke	ASTM TMC	SP
Scott Richards	JWRS	SR
TOM COUSINEN	AFTON CHEMICAL	TC
Dan Pidemore	Afton Chemical	DP

JIM MORITZ PE

JM

