



Test Monitoring Center

Carnegie Mellon University
6555 Penn Avenue, Pittsburgh, PA 15206, USA

<http://astmtmc.cmu.edu>
412-365-1000

MEMORANDUM: 10-047

DATE: November 3, 2010

TO: Roller Follower Wear Test Surveillance Panel
Engine Oil Aeration Test Surveillance Panel
C13 Surveillance Panel

FROM: Jeff Clark

SUBJECT: Reference Testing for the October 2010 ASTM Period

This is a summary of low-activity multi-cylinder diesel reference test areas for the October 2010 ASTM period, which began April 1, 2010 and ended September 30, 2010. The following paragraphs provide a brief summary for each test area and highlight issues of concern, if any. Attachment 1 shows activity levels for each test area presented in this report. Attachment 2 shows the reference oil supply for each of the references oil used in the tests covered by this report.

C13

There is currently one calibrated stand.

Roller Follower Wear Test

There are currently two calibrated stands.

Engine Oil Aeration Test

There is currently one calibrated stand.

The EMA has expressed concern that aeration is being seen in the field in oils that have passed the EOAT. In an attempt to increase severity, a donated, non-blind double-length test (NN validity code, Attachment 1) was run. The result did not appear to increase severity to the level desired, and other options are now being pursued.

Memo 10-047

Page 2

Additional Information:

The reference test databases, the industry LTMS plots, industry alarm logs, and timelines may all be accessed from the TMC home page at www.astmtmc.cmu.edu.

JAC/jac/mem10-047.jac.doc

Attachment

c: F.M. Farber, TMC

<ftp://ftp.astmtmc.cmu.edu/docs/diesel/eoat/semiannualreports/eoat-10-2010.pdf>

<ftp://ftp.astmtmc.cmu.edu/docs/diesel/rfwt/semiannualreports/rfwt-10-2010.pdf>

ftp://ftp.astmtmc.cmu.edu/docs/diesel/cat_c13/semiannualreports/C13-10-2010.pdf

Distribution: Email

Attachment 1
Reference Oil Test Activity of Multi-Cylinder Diesel Tests

Validity	C13	RFWT	EOAT
AC	1	2	1
OC	0	0	0
LC / RC	0	1	0
XC / XG	0	0	0
NN	0	0	1
Total	1	3	2
Calibrated As Of September 30, 2010			
Labs	2^A	2	1
Stands	2^A	2	1

^ACalibration for one stand lapsed on 11/1/2010.

Attachment 2

Reference Oil Inventory and Estimated Life^A

Oil	Tests	TMC Inventory	Lab Inventory^B	Estimated Life^C
831	C13, ISB	17	25	< 1 year
831-1	C13, ISB	676	110	5+ years
1004-3	EOAT, RFWT	29	0	1 year
1005-2	T-8, EOAT, RFWT	0	12	< 1 year
1005-3	T-8, EOAT, RFWT	1507	145	5+ years

^AInventories are expressed in gallons.

^BActive laboratories.

^CTime estimate is based on most recent activity levels.