



Test Monitoring Center

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MEMORANDUM: 09-020

DATE: April 16, 2009

TO: Two-Cycle Diesel Surveillance Panel
Roller Follower Wear Test Surveillance Panel
Engine Oil Aeration Test Surveillance Panel
C13 Surveillance Panel

FROM: Jeff Clark

SUBJECT: Reference Testing for the April 2009 ASTM Period

This is a summary of several low-activity multi-cylinder diesel reference test areas for the April 2009 ASTM period, which began October 1, 2008 and ended March 31, 2009. 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 are currently three calibrated stands at three laboratories.

Detroit Diesel 6V92

The 6V92 is no longer a monitored test and will not be included in future reports. The 6V92 reference test database and all associated information will remain available on the TMC web site.

Roller Follower Wear Test

There are currently two calibrated stands at two laboratories.

Engine Oil Aeration Test

There is currently one calibrated stand at one laboratory.

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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/mem09-020.jac.doc

Attachment

c: J.L. Zalar, TMC

F.M. Farber, TMC

<ftp://ftp.astmtmc.cmu.edu/docs/diesel/eoat/semiannualreports/eoat-04-2009.pdf>

<ftp://ftp.astmtmc.cmu.edu/docs/diesel/rfwt/semiannualreports/rfwt-04-2009.pdf>

<ftp://ftp.astmtmc.cmu.edu/docs/diesel/6v92/semiannualreports/6v92-04-2009.pdf>

ftp://ftp.astmtmc.cmu.edu/docs/diesel/cat_c13/semiannualreports/C13-04-2009.pdf

Distribution: Email

Attachment 1

Reference Oil Test Activity of Multi-Cylinder Diesel Tests

| Validity | C13 | 6V92 | RFWT | EOAT |
|--|------------|-------------|-------------|-------------|
| AC / AG | 0 | 0 | 2 | 1 |
| OC | 0 | 0 | 0 | 0 |
| LC / RC | 0 | 0 | 0 | 0 |
| XC / XG | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 2 | 1 |
| Calibrated As Of March 31, 2009 | | | | |
| Labs | 3 | 0 | 2 | 1 |
| Stands | 3 | 0 | 2 | 1 |

Attachment 2

Reference Oil Inventory and Estimated Life

| Oil | Tests | TMC Inventory^A | Lab Inventory^B | Estimated Life^C |
|---------------|------------------------|----------------------------------|----------------------------------|-----------------------------------|
| 831 | C13, ISB | 17 | 50 | 0.5 years |
| 831-1 | C13, ISB | 906 | 195 | 5+ years |
| 862-1 | 6V92 | 420 | 50 | 5+ years |
| 1004-3 | EOAT, RFWT | 29 | 14 | 2 years |
| 1005-2 | T-8, EOAT, RFWT | 75 | 283 | ~ 1 year |

^AInventories are expressed in gallons.

^BActive laboratories.

^CTime estimate is based on most recent activity levels.