



Test Monitoring Center

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Sequence IIF Information Letter 02-1
Sequence No. 7
March 1, 2002

TO: Sequence IIF Mailing List
SUBJECT: Revised Sequence IIF Test Procedure

This information letter implements action items approved by the Sequence IIF Surveillance Panel. This information letter addresses specific parts and procedures pertaining to quality, consistency, performance, and accountability of test parts as part of the ongoing effort by the panel to ensure continual process improvement of the Sequence IIF test.

Revised Sequence IIF Test Procedure

At the November 15, 2001, meeting of the Sequence IIF Surveillance Panel the panel approved a revised version of the Sequence IIF Test Procedure. This revised version was prepared by the Sequence IIF Procedure Review Task Force and contained numerous editorial revisions that the panel approved without specific review or comment. In addition, the panel approved the following specific revisions:

- Eliminate the use of fuel to remove the test solvent when flow-testing fuel injectors and replacing the fuel with dry air instead.
- Revise Section 8, the *Hazards* section of the test procedure.
- Measure valve spring load by setting valve deflection to 9.525mm (0.375") and measuring spring load.
- Connect the intake manifold coolant outlet fitting during the engine flush procedure.
- Require calibration of stand instrumentation prior to every reference sequence and calibration of the laboratory humidity system every six months.
- Require confirmation of AFR measurements using exhaust gas analysis at test hours 1, 39, and 79.
- Require that the oil temperature control valve be run wide open during the initial run portion of the test.
- Remove the two-hour time limit for coolant charging after addition of the coolant additive to the glycol.
- Eliminate the oil cooler flow specification from the test procedure.
- Implement the use of oil coolers that have had the bypass valve tack welded shut. These new oil coolers were required for all test starts no later than December 15, 2001.
- Incorporate the changes recommended by the Light Duty Rating Task Force to the rating section of the test procedure.

- Incorporate the use of CRC Manual No. 20 for the ratings required in the Sequence IIIF Test Procedure. This rating manual contains the same rating information as the previously required Manuals No. 14 and 18.

This revised Sequence IIIF Test Procedure is called Draft 4 and can be downloaded from the following site:

ftp://tmc.astm.cmri.cmu.edu/docs/gas/sequenceiii/procedure_and_ils/Draft4.pdf

All future information letters will reference Draft 4. Draft 4 is effective the date of this information letter, with the exception of the revised oil cooler requirement, which was effective on December 15, 2001.



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c: ftp://tmc.astm.cmri.cmu.edu/docs/gas/sequenceiii/procedure_and_ils/IL02-1.pdf

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