



## Test Monitoring Center

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Sequence IIIF Information Letter 02-3  
Sequence No. 9  
April 23, 2002

***ASTM consensus has not been obtained on this information letter. An appropriate ASTM ballot will be issued in order to achieve such consensus.***

TO: Sequence IIIF Mailing List  
SUBJECT: Oil Filter and Oil Cooler Replacement

This information letter implements action items approved by the Sequence IIIF 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 IIIF test.

### Oil Filter and Oil Cooler Replacement

At the March 5, 2002 meeting of the Sequence IIIF Surveillance Panel the panel approved a motion to allow the replacement of the oil filter and/or oil cooler once per test if the filter differential pressure is greater than 100 kPa or if oil temperature control is lost (assuming that the rest of the system is operating properly). This parts replacement is allowed only once per test (i.e. if a filter is changed at 30 hours, the cooler cannot be changed at 50 hours). In addition, the motion required that the old oil contained in the oil filter be drained into the new oil filter prior to installation and that no new test oil can be added to the engine as a result of this change. Any oil lost as a result of an oil filter or cooler change will be considered oil consumption in the final test results. Finally, a note must be placed in the test report to note that a change was made, what components were changed, and when the change was made. This change is effective on March 5, 2002. New Sections 6.10.5 through 6.10.5.4 of the Sequence IIIF Test Procedure are attached.

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Attachment

c: [ftp://ftp.astmtmc.cmu.edu/docs/gas/sequenceiii/procedure\\_and\\_ils/IL02-3.pdf](ftp://ftp.astmtmc.cmu.edu/docs/gas/sequenceiii/procedure_and_ils/IL02-3.pdf)

Distribution: Email

6.10.5 The oil cooler, oil filter, or both may be replaced once per test if the oil filter pressure differential is greater than 100 kPa during test operations or if oil temperature control is lost during the test (assuming the remainder of the system is functioning properly).

6.10.5.1 Replacement of the oil cooler, oil filter, or both may be performed only once per test (i.e. if a filter is replaced at 30 hours, the cooler cannot be replaced at 50 hours).

6.10.5.2 If the oil filter is replaced during the test, drain any oil contained in the old oil filter into the new oil filter before installing it on the test engine.

6.10.5.3 No new test oil may be added to the engine as a result of oil filter or oil cooler replacement. Consider as oil consumption any oil lost as a result of oil filter or oil cooler replacement.

6.10.5.4 If the oil cooler, oil filter, or both are replaced during a test, place a note in the test report detailing what components were replaced and when they were replaced.