



Test Monitoring Center

6555 Penn Avenue
Pittsburgh, PA 15206-4489
(412) 365-1000

MEMORANDUM: 04-065
DATE: September 15, 2004
TO: Sequence III Surveillance Panel
FROM: Michael T. Kasimirsky
SUBJECT: Powdered Metal Connecting Rods

The production version of the Sequence III Series II 3800 engine has switched from Cast to Powdered Metal (PM) Connecting Rods. These new PM connecting rods are now being implemented into Sequence III testing as a result. The new PM rods use a different fastener, requiring a change in the torque requirement from the previous cast connecting rods. The torque specifications for both types of connecting rods are shown below:

Powdered Metal Rod (p/n 12574505) Torque plus angle specification: $20\text{Nm} \pm 3\text{Nm}$, plus $75^\circ \pm 3^\circ$

Cast Rod (p/n 24501696) Torque plus angle specification: $27\text{Nm} \pm 3\text{Nm}$, plus $50^\circ \pm 3^\circ$

Please make your technicians aware of this difference so they use the proper torque during engine assembly, depending on the rods in use at your laboratory. If you have any questions on the new connecting rods, please contact Sid Clark of General Motors at 248-857-9959

In addition, I would like to make a Motion for Unanimous Consent to incorporate the above information into the Sequence IIIG Test Procedure, Test Method D 6984 (Sequence IIIF), and both Sequence IIIF and IIIG Engine Assembly Manuals, as appropriate. If no objections are received by October 1, 2004, then the motion is considered as passed by the Surveillance Panel and an Information Letter will be issued. If an objection is received, then the motion fails and the panel will have to address this item of business at its next meeting.

MTK/mtk

c: <ftp://www.astmtmc.cmu.edu/docs/gas/sequenceiii/memos/mem04-065.pdf>

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