

From: [REDACTED]
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Subject: N94292 Engine Preliminary
Date: Thursday, November 17, 2016 7:09:50 PM

We disassembled the engine down to its basic assemblies. The most severe damage was to the #3 cylinder rod journal. The heat at that point was so severe that the rod end cap and attaching bolts melted into a glob of metal. The crankshaft broke at that location.

Interesting observations:

1. The oil filter did not contain any visible metal.
2. The #4 rod had one bolt missing. The bolt and nut were found with little evidence of heat or physical damage. This may be due to a failure early in the sequence of events where the pieces dropped down into the bottom out of harms way.

I will put all my notes and pics together and discuss with Lycoming representative on Monday. The engine and all its parts are quarantined at C&G Aircraft Maintenance in TMB.

[REDACTED]

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