

August 18, 2022, ComancheZOOM

Title: Engine Rebuild after Camshaft Failure
with JD Kuti and Dan C

In February Dan Canon experienced, in flight, a failure of his Comanche's camshaft - it snapped in two! He made it safely to the ground after this harrowing engine failure - now what?

Dan and JD Kuti discuss the decisions that had to be made after the camshaft failure. Considerations like whether to overhaul the engine or go to TBO had to be made. Could the engine be rebuilt to routine tolerances and how could that be achieved? Other decisions included whether and why to port and polish the cylinders, whether to add ElectroAir electronic ignition versus Lycoming, and whether to add GAMI injectors for avgas burn and performance. JD talks about the installation process of the engine and the first 50-hour results after the installation.

Dan and JD also discuss how and when to do a dynamic propeller balancing. Given that, in this case, the prop's static balance was unchanged, run the engine through its ~25 hour break-in, then dynamic balance the whole assembly.

This Zoom qualified for FAA WINGS credit, with over 80 pilots and A&P's in attendance.

To hear/see the recordings click on a link from the list below.

- <http://meetings.northeastcomanche.org/zoom/2022-08-18/video.mp4>
- <http://meetings.northeastcomanche.org/zoom/2022-08-18/audio.m4a>

A number of questions were posted in the Chat window and answered by JD. To read the Chat text click on this link.

- <http://meetings.northeastcomanche.org/zoom/2022-08-18/chat.txt>

Pete Morse for the ComancheZOOM team