

August 25, 2022, ComancheZOOM

Title: GAMI Fuel Injectors and Osborne Tip Tanks

with Jean-Paul Townsend

What is Lean of Peak and why are people uncertain about it? How can you safely run your injected engine Lean of Peak (LOP) for efficiency of operation (especially in this time of high fuel costs) and extend engine life (with today's supply shortages and overhaul costs)?

Learn how fuel injectors work and how a pilot can maximize fuel efficiency and extend engine life. Jean-Paul Townsend explains how most fuel injectors work and compares the differences with GAMI injectors. Not all engines benefit from GAMI Injectors. Owners will learn how to do the leaning test to determine if their engine might benefit from GAMIs and how to determine whether or not to proceed with installation.

The GAMI fuel injector system was developed to improve fuel distribution across cylinders for smoother operation, more even temperatures, and longer life. Jean-Paul discusses exhaust gas temperatures (EGT) vs. cylinder head temperatures (CHT) for optimizing performance.

GAMI also bought the Osborne Tip Tank STCs after J L Osborne passed. Osborne tips provided 30 gallons additional fuel for single and twin Comanches. Jean-Paul will inform us in a future Zoom on several areas: the work with the FAA to update the PMA, when new tips may be available, and parts in short supply for existing tips such as solenoid valves and tank switch valves. He will also discuss failure modes and how to recognize and respond to them.

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/2022-08-25/video.mp4>
- <http://meetings.northeastcomanche.org/zoom/2022-08-25/audio.m4a>

A number of questions were posted in the Chat window to be answered by Jean-Paul in an upcoming ComancheZOOM. 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