

TUPELO AERO, INC.

121 LEMONS DRIVE /TUPELO, MS 38801 / (662) 844-9112

April 11, 2005

Caleb Curry
Radial Engines, Ltd.
9550 West Seward Road
Guthrie. OK 73044

Dear Caleb,

It seems that the hard work in research, development and certification of fuel Injection of the Jacobs engine is bearing fruit. I have flown my 195 with the fuel injection system for 45 hours. The performance of this system is nothing less than spectacular!

During this period of time I have observed the following characteristics:

- Smoother overall engine operation in all phases of flight
- Improved rate of climb
- Lower engine cylinder and OIL temperatures.
- Reduced oil consumption/Cleaner oil samples
- Lower fuel consumption Increased range
- Easier starting
- Increased power/airspeed

The Jacobs with the fuel injection system and the JPI Engine monitor can easily be operated lean of peak. Providing additional range is another advantage of installing the fuel injection system. This was demonstrated on a very early flight from KTUP (Tupelo, Mississippi) to KFLD (Fond du Lac, Wisconsin), covering a distance of 570 nautical miles in 5.0 hours, consuming **only 66 gallons** of fuel. This gives average fuel burn of 13.2 gallons per hour, while operating at 23 inches and 2000 rpm. The installation increases the range of the Cessna 195 an **additional 1 hour** with standard fuel tanks. Previously the maximum endurance was 4.5 hours with VFR reserves.

I was also very impressed with the results of the cooling tests. A full power climb to 10,000 feet MSL after a 1 mile taxi, the highest oil temperature with one oil cooler disabled was 159 degrees F!
Impressive indeed!

If you encounter a doubting Thomas, please send them my way. One trip around the patch in Ole 5AP will impress the most adamant naysayer!

Thanks to you, Steve, Caleb and the entire group at Radial Engine for your vision and dedication to see this project to completion. I am extremely pleased and would recommend the system to any Jacobs engine operator.

Sincerely,



Aubie Pearman
President
Tupelo Aero, Inc.