

EVOLUTION *owner's*

# newsletter

September 2010

## A Progress Report on Product Completion and Improvements

Redmond OR; September 1, 2010

### Landing Gear Update

The first articles of the steel landing gear have arrived in Redmond. The drop test fixture was constructed prior to the gear arriving and testing will begin just after the gear is test fit to an airframe currently in the build shop this week. We are very pleased with the quality fabrication of the design and expect no exceptions to show up during testing. Have a look at these photos, and we think you'll agree that this is a very stout, nicely crafted landing gear.



## Landing Gear Update (continued)



## Air Conditioning

Recently, 927LE attended the Parade of Planes event in Southern California. This trip conveniently provided some hot weather to test the newly installed air conditioning fan, condenser, and distribution box. The temperature in Van Nuys was 101F in the shade and two minutes after start, there was 76F air blowing forcefully from the eyeball vents in the front and rear of the cabin. Fifteen minutes after startup on climb out, the free air temp in the cabin was 74F, and after a short flight the cabin temp during taxi in was 72F with 60F air coming from the vents. The OAT had risen to 108 degrees in the shade, and rear seat occupants called it very comfortable. These new (fiberglass) boxes and condensers are now being produced in house and will be available soon.

## Over 1000 Fleet Hours

The Evolution fleet has reached over 1000 hours of collective operation. The Lycoming powered Evolution (427LE) has the most hours flown at just over 500 hours. The Turbine Evo (927LE) has flown 400 hours, and the three currently flying customer aircraft have racked up a total of 250 hours. The airframes operated by the company have endured some pretty hard use and, during testing, experienced some abnormal loads and flight conditions. Other than the landing gear redesign, there have been no structural concerns that warrant significant changes.